

# [MS-BDCRAWPS]: Business Data Connectivity Remote Administration Web Service Protocol Specification

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## Revision Summary

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# Table of Contents

<b>1</b>	<b>Introduction .....</b>	<b>39</b>
1.1	Glossary .....	39
1.2	References.....	41
1.2.1	Normative References.....	41
1.2.2	Informative References .....	42
1.3	Protocol Overview (Synopsis) .....	42
1.4	Relationship to Other Protocols.....	42
1.5	Prerequisites/Preconditions .....	43
1.6	Applicability Statement.....	43
1.7	Versioning and Capability Negotiation.....	43
1.8	Vendor-Extensible Fields.....	43
1.9	Standards Assignments .....	43
<b>2</b>	<b>Messages.....</b>	<b>44</b>
2.1	Transport.....	44
2.2	Common Message Syntax .....	44
2.2.1	Namespaces .....	44
2.2.2	Messages .....	44
2.2.3	Elements.....	45
2.2.4	Complex Types .....	45
2.2.4.1	AccessControlEntryStruct.....	49
2.2.4.2	AccessDeniedException .....	50
2.2.4.3	AccessDeniedExceptionState .....	50
2.2.4.4	ActionParameterStruct .....	51
2.2.4.5	ActionStruct.....	51
2.2.4.6	AdministrationMetadataCatalogStruct.....	52
2.2.4.7	ArgumentException.....	52
2.2.4.8	ArgumentNullException .....	52
2.2.4.9	ArgumentOutOfRangeException.....	53
2.2.4.10	ArrayOfAccessControlEntryStruct .....	53
2.2.4.11	ArrayOfAssociationStruct .....	53
2.2.4.12	ArrayOfEntityStruct.....	54
2.2.4.13	ArrayOfLobSystemStruct.....	54
2.2.4.14	ArrayOfLocalizedNameStruct .....	54
2.2.4.15	ArrayOfMethodInstanceStruct.....	55
2.2.4.16	ArrayOfModelStruct.....	55
2.2.4.17	ArrayOfPropertyStruct .....	55
2.2.4.18	ArrayOfstring .....	55
2.2.4.19	ArrayOfTypeDescriptorStruct .....	56
2.2.4.20	ArrayOfunsignedInt.....	56
2.2.4.21	AssociationGroupStruct.....	56
2.2.4.22	AssociationReferenceStruct .....	57
2.2.4.23	AssociationStruct .....	58
2.2.4.24	BdcException.....	59
2.2.4.25	BdcExceptionState .....	59
2.2.4.26	ComplexValueStruct.....	60
2.2.4.27	ConcurrentModificationExceptionState .....	61
2.2.4.28	DataClassStruct.....	61
2.2.4.29	DefaultValueStruct.....	61
2.2.4.30	DuplicateMetadataObjectExceptionState .....	62

2.2.4.31	EntityStruct.....	62
2.2.4.32	ExceededMetadataObjectLimitExceptionState .....	63
2.2.4.33	Exception.....	63
2.2.4.34	FilterDescriptorStruct .....	64
2.2.4.35	IdentifierStruct .....	64
2.2.4.36	InvalidMetadataObjectExceptionState.....	65
2.2.4.37	InvalidMetadataPropertyExceptionState .....	66
2.2.4.38	InvalidOperationException .....	66
2.2.4.39	LobSystemInstanceStruct .....	67
2.2.4.40	LobSystemStruct .....	67
2.2.4.41	LocalizedNameStruct .....	67
2.2.4.42	MetadataException.....	68
2.2.4.43	MetadataObjectNotFoundExceptionState .....	68
2.2.4.44	MetadataObjectStruct.....	69
2.2.4.45	MethodInstanceStruct .....	70
2.2.4.46	MethodStruct .....	70
2.2.4.47	ModelStruct.....	71
2.2.4.48	PackageFormatExceptionState.....	71
2.2.4.49	ParameterStruct .....	72
2.2.4.50	PropertyStruct.....	72
2.2.4.51	ProxyGenerationResult .....	73
2.2.4.52	SystemException .....	73
2.2.4.53	TypeDescriptorStruct.....	74
2.2.4.54	Version .....	77
2.2.5	Simple Types.....	77
2.2.5.1	CacheUsage .....	78
2.2.5.2	char .....	79
2.2.5.3	DirectionType.....	79
2.2.5.4	duration .....	79
2.2.5.5	FilterType .....	80
2.2.5.6	guid .....	81
2.2.5.7	MethodInstanceType .....	81
2.2.5.8	PackageContents .....	83
2.2.5.9	SystemType.....	84
2.2.5.10	TypeDescriptorFlags.....	85
2.2.6	Attributes.....	85
2.2.7	Groups.....	85
2.2.8	Attribute Groups .....	86
<b>3</b>	<b>Protocol Details.....</b>	<b>87</b>
3.1	Server Details .....	87
3.1.1	Abstract Data Model .....	87
3.1.2	Timers .....	93
3.1.3	Initialization .....	93
3.1.4	Message Processing Events and Sequencing Rules.....	93
3.1.4.1	Activate.....	110
3.1.4.1.1	Messages .....	111
3.1.4.1.1.1	BusinessDataCatalogSharedService_Activate_InputMessage .....	112
3.1.4.1.1.2	BusinessDataCatalogSharedService_Activate_OutputMessage .....	112
3.1.4.1.2	Elements.....	112
3.1.4.1.2.1	Activate.....	112
3.1.4.1.2.2	ActivateResponse .....	112
3.1.4.1.3	Complex Types .....	112

3.1.4.1.4	Simple Types .....	113
3.1.4.1.5	Attributes .....	113
3.1.4.1.6	Groups .....	113
3.1.4.1.7	Attribute Groups .....	113
3.1.4.2	AddAssociationReferenceToAssociationGroup .....	113
3.1.4.2.1	Messages .....	114
3.1.4.2.1.1	BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_InputMessage .....	115
3.1.4.2.1.2	BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_OutputMessage .....	115
3.1.4.2.2	Elements .....	115
3.1.4.2.2.1	AddAssociationReferenceToAssociationGroup .....	115
3.1.4.2.2.2	AddAssociationReferenceToAssociationGroupResponse .....	115
3.1.4.2.3	Complex Types .....	116
3.1.4.2.4	Simple Types .....	116
3.1.4.2.5	Attributes .....	116
3.1.4.2.6	Groups .....	116
3.1.4.2.7	Attribute Groups .....	116
3.1.4.3	AddEntityToModel .....	116
3.1.4.3.1	Messages .....	117
3.1.4.3.1.1	BusinessDataCatalogSharedService_AddEntityToModel_InputMessage .....	117
3.1.4.3.1.2	BusinessDataCatalogSharedService_AddEntityToModel_OutputMessage .....	118
3.1.4.3.2	Elements .....	118
3.1.4.3.2.1	AddEntityToModel .....	118
3.1.4.3.2.2	AddEntityToModelResponse .....	118
3.1.4.3.3	Complex Types .....	118
3.1.4.3.4	Simple Types .....	118
3.1.4.3.5	Attributes .....	118
3.1.4.3.6	Groups .....	119
3.1.4.3.7	Attribute Groups .....	119
3.1.4.4	BulkSwitchActiveOrValidate .....	119
3.1.4.4.1	Messages .....	120
3.1.4.4.1.1	BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InputMessage .....	120
3.1.4.4.1.2	BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_OutputMessage .....	121
3.1.4.4.2	Elements .....	121
3.1.4.4.2.1	BulkSwitchActiveOrValidate .....	121
3.1.4.4.2.2	BulkSwitchActiveOrValidateResponse .....	121
3.1.4.4.3	Complex Types .....	122
3.1.4.4.3.1	ArrayOfActivationErrorRecordStruct .....	122
3.1.4.4.3.2	ActivationErrorRecordStruct .....	122
3.1.4.4.4	Simple Types .....	126
3.1.4.4.5	Attributes .....	126
3.1.4.4.6	Groups .....	126
3.1.4.4.7	Attribute Groups .....	127
3.1.4.5	CheckPathInMethodInstances .....	127

3.1.4.5.1	Messages .....	128
3.1.4.5.1.1	BusinessDataCatalogSharedService_CheckPathInMethodInstances_InputMessage.....	128
3.1.4.5.1.2	BusinessDataCatalogSharedService_CheckPathInMethodInstances_OutputMessage .....	128
3.1.4.5.2	Elements.....	128
3.1.4.5.2.1	CheckPathInMethodInstances.....	128
3.1.4.5.2.2	CheckPathInMethodInstancesResponse .....	129
3.1.4.5.3	Complex Types .....	129
3.1.4.5.4	Simple Types.....	129
3.1.4.5.5	Attributes.....	129
3.1.4.5.6	Groups.....	129
3.1.4.5.7	Attribute Groups .....	130
3.1.4.6	ClearLocalizedNames .....	130
3.1.4.6.1	Messages .....	131
3.1.4.6.1.1	BusinessDataCatalogSharedService_ClearLocalizedNames_InputMessage.....	131
3.1.4.6.1.2	BusinessDataCatalogSharedService_ClearLocalizedNames_OutputMessage .....	131
3.1.4.6.2	Elements.....	131
3.1.4.6.2.1	ClearLocalizedNames .....	131
3.1.4.6.2.2	ClearLocalizedNamesResponse .....	132
3.1.4.6.3	Complex Types .....	132
3.1.4.6.4	Simple Types.....	132
3.1.4.6.5	Attributes.....	132
3.1.4.6.6	Groups.....	132
3.1.4.6.7	Attribute Groups .....	132
3.1.4.7	ClearProperties.....	132
3.1.4.7.1	Messages .....	133
3.1.4.7.1.1	BusinessDataCatalogSharedService_ClearProperties_InputMessage .....	133
3.1.4.7.1.2	BusinessDataCatalogSharedService_ClearProperties_OutputMessage .....	134
3.1.4.7.2	Elements.....	134
3.1.4.7.2.1	ClearProperties.....	134
3.1.4.7.2.2	ClearPropertiesResponse .....	134
3.1.4.7.3	Complex Types .....	134
3.1.4.7.4	Simple Types.....	134
3.1.4.7.5	Attributes.....	135
3.1.4.7.6	Groups.....	135
3.1.4.7.7	Attribute Groups .....	135
3.1.4.8	CopyAclAcrossChildren .....	135
3.1.4.8.1	Messages .....	136
3.1.4.8.1.1	BusinessDataCatalogSharedService_CopyAclAcrossChildren_InputMessage.....	136
3.1.4.8.1.2	BusinessDataCatalogSharedService_CopyAclAcrossChildren_OutputMessage .....	137
3.1.4.8.2	Elements.....	137
3.1.4.8.2.1	CopyAclAcrossChildren .....	137

3.1.4.8.2.2	CopyAclAcrossChildrenResponse.....	137
3.1.4.8.3	Complex Types .....	137
3.1.4.8.4	Simple Types.....	137
3.1.4.8.5	Attributes.....	137
3.1.4.8.6	Groups.....	137
3.1.4.8.7	Attribute Groups .....	138
3.1.4.9	CopyAclAcrossChildrenForSetting.....	138
3.1.4.9.1	Messages .....	139
3.1.4.9.1.1	BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSettin g_InputMessage .....	139
3.1.4.9.1.2	BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSettin g_OutputMessage.....	139
3.1.4.9.2	Elements.....	140
3.1.4.9.2.1	CopyAclAcrossChildrenForSetting.....	140
3.1.4.9.2.2	CopyAclAcrossChildrenForSettingResponse .....	140
3.1.4.9.3	Complex Types .....	140
3.1.4.9.4	Simple Types.....	140
3.1.4.9.5	Attributes.....	140
3.1.4.9.6	Groups.....	140
3.1.4.9.7	Attribute Groups .....	140
3.1.4.10	CopyAclToSetting.....	141
3.1.4.10.1	Messages .....	142
3.1.4.10.1.1	BusinessDataCatalogSharedService_CopyAclToSetting_InputMessag e .....	142
3.1.4.10.1.2	BusinessDataCatalogSharedService_CopyAclToSetting_OutputMessa ge .....	142
3.1.4.10.2	Elements.....	142
3.1.4.10.2.1	CopyAclToSetting.....	142
3.1.4.10.2.2	CopyAclToSettingResponse .....	143
3.1.4.10.3	Complex Types .....	143
3.1.4.10.4	Simple Types .....	143
3.1.4.10.5	Attributes.....	143
3.1.4.10.6	Groups.....	143
3.1.4.10.7	Attribute Groups.....	143
3.1.4.11	Deactivate .....	143
3.1.4.11.1	Messages .....	145
3.1.4.11.1.1	BusinessDataCatalogSharedService_Deactivate_InputMessage .....	145
3.1.4.11.1.2	BusinessDataCatalogSharedService_Deactivate_OutputMessage.....	145
3.1.4.11.2	Elements.....	145
3.1.4.11.2.1	Deactivate .....	145
3.1.4.11.2.2	DeactivateResponse .....	145
3.1.4.11.3	Complex Types .....	146
3.1.4.11.4	Simple Types .....	146
3.1.4.11.5	Attributes.....	146
3.1.4.11.6	Groups.....	146
3.1.4.11.7	Attribute Groups.....	146
3.1.4.12	Delete .....	146
3.1.4.12.1	Messages .....	149
3.1.4.12.1.1	BusinessDataCatalogSharedService_Delete_InputMessage.....	149

3.1.4.12.1.2	BusinessDataCatalogSharedService_Delete_OutputMessage.....	149
3.1.4.12.2	Elements .....	149
3.1.4.12.2.1	Delete .....	149
3.1.4.12.2.2	DeleteResponse .....	149
3.1.4.12.3	Complex Types .....	150
3.1.4.12.4	Simple Types .....	150
3.1.4.12.5	Attributes .....	150
3.1.4.12.6	Groups.....	150
3.1.4.12.7	Attribute Groups.....	150
3.1.4.13	DeleteAssociationReferenceFromAssociationGroup .....	150
3.1.4.13.1	Messages .....	152
3.1.4.13.1.1	BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_InputMessage .....	152
3.1.4.13.1.2	BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_OutputMessage.....	152
3.1.4.13.2	Elements .....	152
3.1.4.13.2.1	DeleteAssociationReferenceFromAssociationGroup .....	152
3.1.4.13.2.2	DeleteAssociationReferenceFromAssociationGroupResponse .....	153
3.1.4.13.3	Complex Types .....	153
3.1.4.13.4	Simple Types .....	153
3.1.4.13.5	Attributes .....	153
3.1.4.13.6	Groups.....	153
3.1.4.13.7	Attribute Groups.....	153
3.1.4.14	DeleteDefaultValueForTypeDescriptor .....	153
3.1.4.14.1	Messages .....	155
3.1.4.14.1.1	BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InputMessage .....	155
3.1.4.14.1.2	BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_OutputMessage.....	155
3.1.4.14.2	Elements .....	155
3.1.4.14.2.1	DeleteDefaultValueForTypeDescriptor.....	155
3.1.4.14.2.2	DeleteDefaultValueForTypeDescriptorResponse .....	155
3.1.4.14.3	Complex Types .....	156
3.1.4.14.4	Simple Types .....	156
3.1.4.14.5	Attributes .....	156
3.1.4.14.6	Groups.....	156
3.1.4.14.7	Attribute Groups.....	156
3.1.4.15	DeleteNoCascade .....	156
3.1.4.15.1	Messages .....	158
3.1.4.15.1.1	BusinessDataCatalogSharedService_DeleteNoCascade_InputMessage .....	159
3.1.4.15.1.2	BusinessDataCatalogSharedService_DeleteNoCascade_OutputMessage.....	159
3.1.4.15.2	Elements .....	159
3.1.4.15.2.1	DeleteNoCascade .....	159
3.1.4.15.2.2	DeleteNoCascadeResponse .....	159
3.1.4.15.3	Complex Types .....	159
3.1.4.15.4	Simple Types .....	160



3.1.4.15.5	Attributes .....	160
3.1.4.15.6	Groups.....	160
3.1.4.15.7	Attribute Groups.....	160
3.1.4.16	DeleteProxyAssemblyForLobSystem .....	160
3.1.4.16.1	Messages .....	161
3.1.4.16.1.1	BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InputMessage .....	161
3.1.4.16.1.2	BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_OutputMessage .....	161
3.1.4.16.2	Elements .....	162
3.1.4.16.2.1	DeleteProxyAssemblyForLobSystem .....	162
3.1.4.16.2.2	DeleteProxyAssemblyForLobSystemResponse .....	162
3.1.4.16.3	Complex Types .....	162
3.1.4.16.4	Simple Types .....	162
3.1.4.16.5	Attributes .....	162
3.1.4.16.6	Groups.....	162
3.1.4.16.7	Attribute Groups.....	162
3.1.4.17	EntityCreate .....	162
3.1.4.17.1	Messages .....	164
3.1.4.17.1.1	BusinessDataCatalogSharedService_EntityCreate_InputMessage .....	164
3.1.4.17.1.2	BusinessDataCatalogSharedService_EntityCreate_OutputMessage .....	164
3.1.4.17.2	Elements .....	165
3.1.4.17.2.1	EntityCreate.....	165
3.1.4.17.2.2	EntityCreateResponse .....	165
3.1.4.17.3	Complex Types .....	165
3.1.4.17.4	Simple Types .....	165
3.1.4.17.5	Attributes .....	165
3.1.4.17.6	Groups.....	166
3.1.4.17.7	Attribute Groups.....	166
3.1.4.18	ExportPackage.....	166
3.1.4.18.1	Messages .....	167
3.1.4.18.1.1	BusinessDataCatalogSharedService_ExportPackage_InputMessage .....	167
3.1.4.18.1.2	BusinessDataCatalogSharedService_ExportPackage_OutputMessage .....	168
3.1.4.18.2	Elements .....	168
3.1.4.18.2.1	ExportPackage .....	168
3.1.4.18.2.2	ExportPackageResponse .....	169
3.1.4.18.3	Complex Types .....	169
3.1.4.18.4	Simple Types .....	169
3.1.4.18.5	Attributes .....	169
3.1.4.18.6	Groups.....	169
3.1.4.18.7	Attribute Groups.....	169
3.1.4.19	GenerateProxyAssemblyForLobSystem .....	169
3.1.4.19.1	Messages .....	171
3.1.4.19.1.1	BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InputMessage .....	171
3.1.4.19.1.2	BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_OutputMessage .....	171
3.1.4.19.2	Elements .....	171
3.1.4.19.2.1	GenerateProxyAssemblyForLobSystem .....	171

3.1.4.19.2.2	GenerateProxyAssemblyForLobSystemResponse .....	171
3.1.4.19.3	Complex Types .....	172
3.1.4.19.4	Simple Types .....	172
3.1.4.19.5	Attributes .....	172
3.1.4.19.6	Groups.....	172
3.1.4.19.7	Attribute Groups.....	172
3.1.4.20	GetAccessControlEntries .....	172
3.1.4.20.1	Messages .....	173
3.1.4.20.1.1	BusinessDataCatalogSharedService_GetAccessControlEntries_InputM essage .....	173
3.1.4.20.1.2	BusinessDataCatalogSharedService_GetAccessControlEntries_Output Message .....	174
3.1.4.20.2	Elements .....	174
3.1.4.20.2.1	GetAccessControlEntries .....	174
3.1.4.20.2.2	GetAccessControlEntriesResponse .....	174
3.1.4.20.3	Complex Types .....	174
3.1.4.20.4	Simple Types .....	175
3.1.4.20.5	Attributes .....	175
3.1.4.20.6	Groups.....	175
3.1.4.20.7	Attribute Groups.....	175
3.1.4.21	GetActionById .....	175
3.1.4.21.1	Messages .....	176
3.1.4.21.1.1	BusinessDataCatalogSharedService_GetActionById_InputMessage....	176
3.1.4.21.1.2	BusinessDataCatalogSharedService_GetActionById_OutputMessage..	176
3.1.4.21.2	Elements .....	176
3.1.4.21.2.1	GetActionById .....	176
3.1.4.21.2.2	GetActionByIdResponse.....	177
3.1.4.21.3	Complex Types .....	177
3.1.4.21.4	Simple Types .....	177
3.1.4.21.5	Attributes .....	177
3.1.4.21.6	Groups.....	177
3.1.4.21.7	Attribute Groups.....	177
3.1.4.22	GetActionParameterById .....	178
3.1.4.22.1	Messages .....	179
3.1.4.22.1.1	BusinessDataCatalogSharedService_GetActionParameterById_Input Message .....	179
3.1.4.22.1.2	BusinessDataCatalogSharedService_GetActionParameterById_Outpu tMessage .....	179
3.1.4.22.2	Elements .....	179
3.1.4.22.2.1	GetActionParameterById.....	179
3.1.4.22.2.2	GetActionParameterByIdResponse .....	180
3.1.4.22.3	Complex Types .....	180
3.1.4.22.4	Simple Types .....	180
3.1.4.22.5	Attributes .....	180
3.1.4.22.6	Groups.....	180
3.1.4.22.7	Attribute Groups.....	180
3.1.4.23	GetActionParametersForAction.....	180
3.1.4.23.1	Messages .....	181

3.1.4.23.1.1	BusinessDataCatalogSharedService_GetActionParametersForAction_InputMessage.....	182
3.1.4.23.1.2	BusinessDataCatalogSharedService_GetActionParametersForAction_OutputMessage .....	182
3.1.4.23.2	Elements .....	182
3.1.4.23.2.1	GetActionParametersForAction .....	182
3.1.4.23.2.2	GetActionParametersForActionResponse .....	182
3.1.4.23.3	Complex Types .....	183
3.1.4.23.3.1	ArrayOfActionParameterStruct.....	183
3.1.4.23.4	Simple Types .....	183
3.1.4.23.5	Attributes .....	183
3.1.4.23.6	Groups.....	183
3.1.4.23.7	Attribute Groups.....	183
3.1.4.24	GetActionsForEntity.....	183
3.1.4.24.1	Messages .....	184
3.1.4.24.1.1	BusinessDataCatalogSharedService_GetActionsForEntity_InputMessage .....	185
3.1.4.24.1.2	BusinessDataCatalogSharedService_GetActionsForEntity_OutputMessage .....	185
3.1.4.24.2	Elements .....	185
3.1.4.24.2.1	GetActionsForEntity .....	185
3.1.4.24.2.2	GetActionsForEntityResponse .....	185
3.1.4.24.3	Complex Types .....	186
3.1.4.24.3.1	ArrayOfActionStruct .....	186
3.1.4.24.4	Simple Types .....	186
3.1.4.24.5	Attributes .....	186
3.1.4.24.6	Groups.....	186
3.1.4.24.7	Attribute Groups.....	186
3.1.4.25	GetAllLocalizedNames.....	186
3.1.4.25.1	Messages .....	187
3.1.4.25.1.1	BusinessDataCatalogSharedService_GetAllLocalizedNames_InputMessage .....	187
3.1.4.25.1.2	BusinessDataCatalogSharedService_GetAllLocalizedNames_OutputMessage .....	188
3.1.4.25.2	Elements .....	188
3.1.4.25.2.1	GetAllLocalizedNames .....	188
3.1.4.25.2.2	GetAllLocalizedNamesResponse .....	188
3.1.4.25.3	Complex Types .....	189
3.1.4.25.4	Simple Types .....	189
3.1.4.25.5	Attributes .....	189
3.1.4.25.6	Groups.....	189
3.1.4.25.7	Attribute Groups.....	189
3.1.4.26	GetAllLocalizedNamesForMetadataObjectStruct.....	189
3.1.4.26.1	Messages .....	190
3.1.4.26.1.1	BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_InputMessage .....	190

3.1.4.26.1.2	BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_OutputMessage .....	191
3.1.4.26.2	Elements .....	191
3.1.4.26.2.1	GetAllLocalizedNamesForMetadataObjectStruct .....	191
3.1.4.26.2.2	GetAllLocalizedNamesForMetadataObjectStructResponse .....	192
3.1.4.26.3	Complex Types .....	192
3.1.4.26.4	Simple Types .....	192
3.1.4.26.5	Attributes .....	192
3.1.4.26.6	Groups .....	192
3.1.4.26.7	Attribute Groups .....	192
3.1.4.27	GetAllPartitionIds .....	192
3.1.4.27.1	Messages .....	193
3.1.4.27.1.1	BusinessDataCatalogSharedService_GetAllPartitionIds_InputMessage .....	193
3.1.4.27.1.2	BusinessDataCatalogSharedService_GetAllPartitionIds_OutputMessage .....	193
3.1.4.27.2	Elements .....	193
3.1.4.27.2.1	GetAllPartitionIds .....	193
3.1.4.27.2.2	GetAllPartitionIdsResponse .....	194
3.1.4.27.3	Complex Types .....	194
3.1.4.27.3.1	ArrayOfguid .....	194
3.1.4.27.4	Simple Types .....	194
3.1.4.27.5	Attributes .....	194
3.1.4.27.6	Groups .....	194
3.1.4.27.7	Attribute Groups .....	194
3.1.4.28	GetAllProperties .....	194
3.1.4.28.1	Messages .....	196
3.1.4.28.1.1	BusinessDataCatalogSharedService_GetAllProperties_InputMessage .....	196
3.1.4.28.1.2	BusinessDataCatalogSharedService_GetAllProperties_OutputMessage .....	196
3.1.4.28.2	Elements .....	196
3.1.4.28.2.1	GetAllProperties .....	196
3.1.4.28.2.2	GetAllPropertiesResponse .....	197
3.1.4.28.3	Complex Types .....	197
3.1.4.28.4	Simple Types .....	197
3.1.4.28.5	Attributes .....	197
3.1.4.28.6	Groups .....	197
3.1.4.28.7	Attribute Groups .....	197
3.1.4.29	GetAllPropertiesForMetadataObjectStruct .....	197
3.1.4.29.1	Messages .....	199
3.1.4.29.1.1	BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InputMessage .....	199
3.1.4.29.1.2	BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_OutputMessage .....	199
3.1.4.29.2	Elements .....	199
3.1.4.29.2.1	GetAllPropertiesForMetadataObjectStruct .....	199
3.1.4.29.2.2	GetAllPropertiesForMetadataObjectStructResponse .....	200
3.1.4.29.3	Complex Types .....	200

3.1.4.29.4	Simple Types .....	200
3.1.4.29.5	Attributes .....	200
3.1.4.29.6	Groups .....	200
3.1.4.29.7	Attribute Groups .....	200
3.1.4.30	GetAssociationById .....	200
3.1.4.30.1	Messages .....	202
3.1.4.30.1.1	BusinessDataCatalogSharedService_GetAssociationById_InputMessage .....	202
3.1.4.30.1.2	BusinessDataCatalogSharedService_GetAssociationById_OutputMessage .....	202
3.1.4.30.2	Elements .....	202
3.1.4.30.2.1	GetAssociationById .....	202
3.1.4.30.2.2	GetAssociationByIdResponse .....	203
3.1.4.30.3	Complex Types .....	203
3.1.4.30.4	Simple Types .....	203
3.1.4.30.5	Attributes .....	203
3.1.4.30.6	Groups .....	203
3.1.4.30.7	Attribute Groups .....	203
3.1.4.31	GetAssociationGroupById .....	203
3.1.4.31.1	Messages .....	204
3.1.4.31.1.1	BusinessDataCatalogSharedService_GetAssociationGroupById_InputMessage .....	205
3.1.4.31.1.2	BusinessDataCatalogSharedService_GetAssociationGroupById_OutputMessage .....	205
3.1.4.31.2	Elements .....	205
3.1.4.31.2.1	GetAssociationGroupById .....	205
3.1.4.31.2.2	GetAssociationGroupByIdResponse .....	205
3.1.4.31.3	Complex Types .....	206
3.1.4.31.4	Simple Types .....	206
3.1.4.31.5	Attributes .....	206
3.1.4.31.6	Groups .....	206
3.1.4.31.7	Attribute Groups .....	206
3.1.4.32	GetAssociationGroupsForEntity .....	206
3.1.4.32.1	Messages .....	207
3.1.4.32.1.1	BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InputMessage .....	207
3.1.4.32.1.2	BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_OutputMessage .....	208
3.1.4.32.2	Elements .....	208
3.1.4.32.2.1	GetAssociationGroupsForEntity .....	208
3.1.4.32.2.2	GetAssociationGroupsForEntityResponse .....	208
3.1.4.32.3	Complex Types .....	208
3.1.4.32.3.1	ArrayOfAssociationGroupStruct .....	208
3.1.4.32.4	Simple Types .....	209
3.1.4.32.5	Attributes .....	209
3.1.4.32.6	Groups .....	209
3.1.4.32.7	Attribute Groups .....	209

3.1.4.33	GetAssociationMembersInRole .....	209
3.1.4.33.1	Messages .....	210
3.1.4.33.1.1	BusinessDataCatalogSharedService_GetAssociationMembersInRole_InputMessage.....	210
3.1.4.33.1.2	BusinessDataCatalogSharedService_GetAssociationMembersInRole_OutputMessage .....	211
3.1.4.33.2	Elements .....	211
3.1.4.33.2.1	GetAssociationMembersInRole .....	211
3.1.4.33.2.2	GetAssociationMembersInRoleResponse .....	211
3.1.4.33.3	Complex Types .....	212
3.1.4.33.3.1	ArrayOfAssociationMemberStruct .....	212
3.1.4.33.3.2	AssociationMemberStruct.....	212
3.1.4.33.4	Simple Types .....	213
3.1.4.33.5	Attributes .....	213
3.1.4.33.6	Groups.....	213
3.1.4.33.7	Attribute Groups.....	213
3.1.4.34	GetAssociationReferencesForAssociationGroup.....	213
3.1.4.34.1	Messages .....	214
3.1.4.34.1.1	BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_InputMessage .....	214
3.1.4.34.1.2	BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_OutputMessage .....	215
3.1.4.34.2	Elements .....	215
3.1.4.34.2.1	GetAssociationReferencesForAssociationGroup .....	215
3.1.4.34.2.2	GetAssociationReferencesForAssociationGroupResponse .....	215
3.1.4.34.3	Complex Types .....	215
3.1.4.34.3.1	ArrayOfAssociationReferenceStruct .....	216
3.1.4.34.4	Simple Types .....	216
3.1.4.34.5	Attributes .....	216
3.1.4.34.6	Groups.....	216
3.1.4.34.7	Attribute Groups.....	216
3.1.4.35	GetAssociationsForDataClass .....	216
3.1.4.35.1	Messages .....	217
3.1.4.35.1.1	BusinessDataCatalogSharedService_GetAssociationsForDataClass_InputMessage .....	217
3.1.4.35.1.2	BusinessDataCatalogSharedService_GetAssociationsForDataClass_OutputMessage .....	218
3.1.4.35.2	Elements .....	218
3.1.4.35.2.1	GetAssociationsForDataClass .....	218
3.1.4.35.2.2	GetAssociationsForDataClassResponse .....	218
3.1.4.35.3	Complex Types .....	218
3.1.4.35.4	Simple Types .....	218
3.1.4.35.5	Attributes .....	219
3.1.4.35.6	Groups.....	219
3.1.4.35.7	Attribute Groups.....	219
3.1.4.36	GetAssociationsForEntityAndRole .....	219
3.1.4.36.1	Messages .....	220

3.1.4.36.1.1	BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InputMessage .....	220
3.1.4.36.1.2	BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_OutputMessage .....	220
3.1.4.36.2	Elements .....	220
3.1.4.36.2.1	GetAssociationsForEntityAndRole .....	221
3.1.4.36.2.2	GetAssociationsForEntityAndRoleResponse .....	221
3.1.4.36.3	Complex Types .....	222
3.1.4.36.4	Simple Types .....	222
3.1.4.36.5	Attributes .....	222
3.1.4.36.6	Groups .....	222
3.1.4.36.7	Attribute Groups .....	222
3.1.4.37	GetAssociationsForMethod .....	222
3.1.4.37.1	Messages .....	223
3.1.4.37.1.1	BusinessDataCatalogSharedService_GetAssociationsForMethod_InputMessage .....	223
3.1.4.37.1.2	BusinessDataCatalogSharedService_GetAssociationsForMethod_OutputMessage .....	223
3.1.4.37.2	Elements .....	223
3.1.4.37.2.1	GetAssociationsForMethod .....	224
3.1.4.37.2.2	GetAssociationsForMethodResponse .....	224
3.1.4.37.3	Complex Types .....	224
3.1.4.37.4	Simple Types .....	224
3.1.4.37.5	Attributes .....	224
3.1.4.37.6	Groups .....	224
3.1.4.37.7	Attribute Groups .....	224
3.1.4.38	GetCacheInvalidationRecordsSince .....	225
3.1.4.38.1	Messages .....	226
3.1.4.38.1.1	BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InputMessage .....	226
3.1.4.38.1.2	BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_OutputMessage .....	226
3.1.4.38.2	Elements .....	226
3.1.4.38.2.1	GetCacheInvalidationRecordsSince .....	226
3.1.4.38.2.2	GetCacheInvalidationRecordsSinceResponse .....	226
3.1.4.38.3	Complex Types .....	227
3.1.4.38.3.1	ArrayOfCacheInvalidationRecordStruct .....	227
3.1.4.38.3.2	CacheInvalidationRecordStruct .....	227
3.1.4.38.4	Simple Types .....	227
3.1.4.38.5	Attributes .....	227
3.1.4.38.6	Groups .....	228
3.1.4.38.7	Attribute Groups .....	228
3.1.4.39	GetChildTypeDescriptorsForTypeDescriptor .....	228
3.1.4.39.1	Messages .....	229
3.1.4.39.1.1	BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_InputMessage .....	229

3.1.4.39.1.2	BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_OutputMessage .....	229
3.1.4.39.2	Elements .....	229
3.1.4.39.2.1	GetChildTypeDescriptorsForTypeDescriptor .....	229
3.1.4.39.2.2	GetChildTypeDescriptorsForTypeDescriptorResponse .....	230
3.1.4.39.3	Complex Types .....	230
3.1.4.39.4	Simple Types .....	230
3.1.4.39.5	Attributes .....	230
3.1.4.39.6	Groups .....	230
3.1.4.39.7	Attribute Groups .....	230
3.1.4.40	GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor .....	230
3.1.4.40.1	Messages .....	232
3.1.4.40.1.1	BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_InputMessage .....	232
3.1.4.40.1.2	BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_OutputMessage .....	232
3.1.4.40.2	Elements .....	232
3.1.4.40.2.1	GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor .....	232
3.1.4.40.2.2	GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse .....	233
3.1.4.40.3	Complex Types .....	233
3.1.4.40.4	Simple Types .....	233
3.1.4.40.5	Attributes .....	233
3.1.4.40.6	Groups .....	233
3.1.4.40.7	Attribute Groups .....	233
3.1.4.41	GetDataClassById .....	233
3.1.4.41.1	Messages .....	235
3.1.4.41.1.1	BusinessDataCatalogSharedService_GetDataClassById_InputMessage .....	235
3.1.4.41.1.2	BusinessDataCatalogSharedService_GetDataClassById_OutputMessage .....	235
3.1.4.41.2	Elements .....	235
3.1.4.41.2.1	GetDataClassById .....	235
3.1.4.41.2.2	GetDataClassByIdResponse .....	235
3.1.4.41.3	Complex Types .....	236
3.1.4.41.4	Simple Types .....	236
3.1.4.41.5	Attributes .....	236
3.1.4.41.6	Groups .....	236
3.1.4.41.7	Attribute Groups .....	236
3.1.4.42	GetDataClassesForSystem .....	236
3.1.4.42.1	Messages .....	237
3.1.4.42.1.1	BusinessDataCatalogSharedService_GetDataClassesForSystem_InputMessage .....	237
3.1.4.42.1.2	BusinessDataCatalogSharedService_GetDataClassesForSystem_OutputMessage .....	238
3.1.4.42.2	Elements .....	238
3.1.4.42.2.1	GetDataClassesForSystem .....	238



3.1.4.42.2.2	GetDataClassesForSystemResponse .....	238
3.1.4.42.3	Complex Types .....	238
3.1.4.42.3.1	ArrayOfDataClassStruct .....	239
3.1.4.42.4	Simple Types .....	239
3.1.4.42.5	Attributes .....	239
3.1.4.42.6	Groups .....	239
3.1.4.42.7	Attribute Groups .....	239
3.1.4.43	GetDefaultValuesForTypeDescriptor .....	239
3.1.4.43.1	Messages .....	240
3.1.4.43.1.1	BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InputMessage .....	240
3.1.4.43.1.2	BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_OutputMessage .....	241
3.1.4.43.2	Elements .....	241
3.1.4.43.2.1	GetDefaultValuesForTypeDescriptor .....	241
3.1.4.43.2.2	GetDefaultValuesForTypeDescriptorResponse .....	241
3.1.4.43.3	Complex Types .....	241
3.1.4.43.3.1	ArrayOfDefaultValueStruct .....	242
3.1.4.43.4	Simple Types .....	242
3.1.4.43.5	Attributes .....	242
3.1.4.43.6	Groups .....	242
3.1.4.43.7	Attribute Groups .....	242
3.1.4.44	GetEntitiesForAssociationAndRole .....	242
3.1.4.44.1	Messages .....	243
3.1.4.44.1.1	BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InputMessage .....	244
3.1.4.44.1.2	BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_OutputMessage .....	244
3.1.4.44.2	Elements .....	244
3.1.4.44.2.1	GetEntitiesForAssociationAndRole .....	244
3.1.4.44.2.2	GetEntitiesForAssociationAndRoleResponse .....	245
3.1.4.44.3	Complex Types .....	245
3.1.4.44.4	Simple Types .....	245
3.1.4.44.5	Attributes .....	245
3.1.4.44.6	Groups .....	245
3.1.4.44.7	Attribute Groups .....	245
3.1.4.45	GetEntitiesForSystem .....	245
3.1.4.45.1	Messages .....	246
3.1.4.45.1.1	BusinessDataCatalogSharedService_GetEntitiesForSystem_InputMessage .....	246
3.1.4.45.1.2	BusinessDataCatalogSharedService_GetEntitiesForSystem_OutputMessage .....	247
3.1.4.45.2	Elements .....	247
3.1.4.45.2.1	GetEntitiesForSystem .....	247
3.1.4.45.2.2	GetEntitiesForSystemResponse .....	247
3.1.4.45.3	Complex Types .....	248
3.1.4.45.4	Simple Types .....	248

3.1.4.45.5	Attributes .....	248
3.1.4.45.6	Groups.....	248
3.1.4.45.7	Attribute Groups.....	248
3.1.4.46	GetEntitiesLikeNameAndNamespace .....	248
3.1.4.46.1	Messages .....	249
3.1.4.46.1.1	BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InputMessage .....	249
3.1.4.46.1.2	BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_OutputMessage .....	250
3.1.4.46.2	Elements .....	250
3.1.4.46.2.1	GetEntitiesLikeNameAndNamespace .....	250
3.1.4.46.2.2	GetEntitiesLikeNameAndNamespaceResponse .....	251
3.1.4.46.3	Complex Types .....	251
3.1.4.46.4	Simple Types .....	251
3.1.4.46.5	Attributes .....	251
3.1.4.46.6	Groups.....	252
3.1.4.46.7	Attribute Groups.....	252
3.1.4.47	GetEntitiesReferencedByModelId.....	252
3.1.4.47.1	Messages .....	253
3.1.4.47.1.1	BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InputMessage.....	253
3.1.4.47.1.2	BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_OutputMessage.....	253
3.1.4.47.2	Elements .....	253
3.1.4.47.2.1	GetEntitiesReferencedByModelId.....	253
3.1.4.47.2.2	GetEntitiesReferencedByModelIdResponse .....	254
3.1.4.47.3	Complex Types .....	254
3.1.4.47.4	Simple Types .....	254
3.1.4.47.4.1	EntityConstants.EntitiesInModelQuery .....	254
3.1.4.47.5	Attributes .....	255
3.1.4.47.6	Groups.....	255
3.1.4.47.7	Attribute Groups.....	255
3.1.4.48	GetEntityById.....	255
3.1.4.48.1	Messages .....	256
3.1.4.48.1.1	BusinessDataCatalogSharedService_GetEntityById_InputMessage .....	256
3.1.4.48.1.2	BusinessDataCatalogSharedService_GetEntityById_OutputMessage .....	256
3.1.4.48.2	Elements .....	257
3.1.4.48.2.1	GetEntityById.....	257
3.1.4.48.2.2	GetEntityByIdResponse .....	257
3.1.4.48.3	Complex Types .....	257
3.1.4.48.4	Simple Types .....	257
3.1.4.48.5	Attributes .....	258
3.1.4.48.6	Groups.....	258
3.1.4.48.7	Attribute Groups.....	258
3.1.4.49	GetEntityCount .....	258
3.1.4.49.1	Messages .....	259
3.1.4.49.1.1	BusinessDataCatalogSharedService_GetEntityCount_InputMessage .....	259
3.1.4.49.1.2	BusinessDataCatalogSharedService_GetEntityCount_OutputMessage .....	259
3.1.4.49.2	Elements .....	259

3.1.4.49.2.1	GetEntityCount .....	259
3.1.4.49.2.2	GetEntityCountResponse .....	260
3.1.4.49.3	Complex Types .....	260
3.1.4.49.4	Simple Types .....	260
3.1.4.49.5	Attributes .....	260
3.1.4.49.6	Groups .....	260
3.1.4.49.7	Attribute Groups .....	260
3.1.4.50	GetEntityNameAndNamespacesForAssociationAndRole .....	260
3.1.4.50.1	Messages .....	262
3.1.4.50.1.1	BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_InputMessage .....	262
3.1.4.50.1.2	BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_OutputMessage .....	262
3.1.4.50.2	Elements .....	262
3.1.4.50.2.1	GetEntityNameAndNamespacesForAssociationAndRole .....	262
3.1.4.50.2.2	GetEntityNameAndNamespacesForAssociationAndRoleResponse .....	263
3.1.4.50.3	Complex Types .....	263
3.1.4.50.4	Simple Types .....	263
3.1.4.50.5	Attributes .....	263
3.1.4.50.6	Groups .....	263
3.1.4.50.7	Attribute Groups .....	263
3.1.4.51	GetEntityWithNameAndNamespace .....	264
3.1.4.51.1	Messages .....	265
3.1.4.51.1.1	BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InputMessage .....	265
3.1.4.51.1.2	BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_OutputMessage .....	265
3.1.4.51.2	Elements .....	265
3.1.4.51.2.1	GetEntityWithNameAndNamespace .....	265
3.1.4.51.2.2	GetEntityWithNameAndNamespaceResponse .....	266
3.1.4.51.3	Complex Types .....	266
3.1.4.51.4	Simple Types .....	266
3.1.4.51.5	Attributes .....	266
3.1.4.51.6	Groups .....	266
3.1.4.51.7	Attribute Groups .....	266
3.1.4.52	GetEntityWithNameAndNamespaceAndVersion .....	266
3.1.4.52.1	Messages .....	268
3.1.4.52.1.1	BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_InputMessage .....	268
3.1.4.52.1.2	BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_OutputMessage .....	268
3.1.4.52.2	Elements .....	268
3.1.4.52.2.1	GetEntityWithNameAndNamespaceAndVersion .....	268
3.1.4.52.2.2	GetEntityWithNameAndNamespaceAndVersionResponse .....	269
3.1.4.52.3	Complex Types .....	269
3.1.4.52.4	Simple Types .....	269
3.1.4.52.5	Attributes .....	269

3.1.4.52.6	Groups.....	269
3.1.4.52.7	Attribute Groups.....	269
3.1.4.53	GetFieldTypeDescriptorsByMethodInstance .....	269
3.1.4.53.1	Messages .....	271
3.1.4.53.1.1	BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_InputMessage .....	271
3.1.4.53.1.2	BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_OutputMessage .....	271
3.1.4.53.2	Elements .....	272
3.1.4.53.2.1	GetFieldTypeDescriptorsByMethodInstance .....	272
3.1.4.53.2.2	GetFieldTypeDescriptorsByMethodInstanceResponse .....	272
3.1.4.53.3	Complex Types .....	272
3.1.4.53.4	Simple Types .....	272
3.1.4.53.5	Attributes .....	272
3.1.4.53.6	Groups.....	272
3.1.4.53.7	Attribute Groups.....	273
3.1.4.54	GetFilterDescriptorById .....	273
3.1.4.54.1	Messages .....	274
3.1.4.54.1.1	BusinessDataCatalogSharedService_GetFilterDescriptorById_InputMessage .....	274
3.1.4.54.1.2	BusinessDataCatalogSharedService_GetFilterDescriptorById_OutputMessage .....	274
3.1.4.54.2	Elements .....	274
3.1.4.54.2.1	GetFilterDescriptorById .....	274
3.1.4.54.2.2	GetFilterDescriptorByIdResponse .....	275
3.1.4.54.3	Complex Types .....	275
3.1.4.54.4	Simple Types .....	275
3.1.4.54.5	Attributes .....	275
3.1.4.54.6	Groups.....	275
3.1.4.54.7	Attribute Groups.....	275
3.1.4.55	GetFilterDescriptorsForMethod.....	275
3.1.4.55.1	Messages .....	276
3.1.4.55.1.1	BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InputMessage.....	277
3.1.4.55.1.2	BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_OutputMessage .....	277
3.1.4.55.2	Elements .....	277
3.1.4.55.2.1	GetFilterDescriptorsForMethod.....	277
3.1.4.55.2.2	GetFilterDescriptorsForMethodResponse .....	277
3.1.4.55.3	Complex Types .....	278
3.1.4.55.3.1	ArrayOfFilterDescriptorStruct .....	278
3.1.4.55.4	Simple Types .....	278
3.1.4.55.5	Attributes .....	278
3.1.4.55.6	Groups.....	278
3.1.4.55.7	Attribute Groups.....	278
3.1.4.56	GetIdentifierById .....	278
3.1.4.56.1	Messages .....	279

3.1.4.56.1.1	BusinessDataCatalogSharedService_GetIdentifierById_InputMessage	279
3.1.4.56.1.2	BusinessDataCatalogSharedService_GetIdentifierById_OutputMessage	280
3.1.4.56.2	Elements	280
3.1.4.56.2.1	GetIdentifierById	280
3.1.4.56.2.2	GetIdentifierByIdResponse	280
3.1.4.56.3	Complex Types	281
3.1.4.56.4	Simple Types	281
3.1.4.56.5	Attributes	281
3.1.4.56.6	Groups	281
3.1.4.56.7	Attribute Groups	281
3.1.4.57	GetIdentifiersForEntity	281
3.1.4.57.1	Messages	282
3.1.4.57.1.1	BusinessDataCatalogSharedService_GetIdentifiersForEntity_InputMessage	282
3.1.4.57.1.2	BusinessDataCatalogSharedService_GetIdentifiersForEntity_OutputMessage	282
3.1.4.57.2	Elements	283
3.1.4.57.2.1	GetIdentifiersForEntity	283
3.1.4.57.2.2	GetIdentifiersForEntityResponse	283
3.1.4.57.3	Complex Types	283
3.1.4.57.3.1	ArrayOfIdentifierStruct	283
3.1.4.57.4	Simple Types	284
3.1.4.57.5	Attributes	284
3.1.4.57.6	Groups	284
3.1.4.57.7	Attribute Groups	284
3.1.4.58	GetImportProgress	284
3.1.4.58.1	Messages	284
3.1.4.58.1.1	BusinessDataCatalogSharedService_GetImportProgress_InputMessage	284
3.1.4.58.1.2	BusinessDataCatalogSharedService_GetImportProgress_OutputMessage	285
3.1.4.58.2	Elements	285
3.1.4.58.2.1	GetImportProgress	285
3.1.4.58.2.2	GetImportProgressResponse	285
3.1.4.58.3	Complex Types	285
3.1.4.58.4	Simple Types	285
3.1.4.58.5	Attributes	286
3.1.4.58.6	Groups	286
3.1.4.58.7	Attribute Groups	286
3.1.4.59	GetLevelForTypeDescriptor	286
3.1.4.59.1	Messages	287
3.1.4.59.1.1	BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_InputMessage	287

3.1.4.59.1.2	BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_Out putMessage .....	287
3.1.4.59.2	Elements .....	288
3.1.4.59.2.1	GetLevelForTypeDescriptor .....	288
3.1.4.59.2.2	GetLevelForTypeDescriptorResponse .....	288
3.1.4.59.3	Complex Types .....	288
3.1.4.59.4	Simple Types .....	288
3.1.4.59.5	Attributes .....	288
3.1.4.59.6	Groups .....	288
3.1.4.59.7	Attribute Groups .....	289
3.1.4.60	GetLobSystemAllAssembliesBytes .....	289
3.1.4.60.1	Messages .....	290
3.1.4.60.1.1	BusinessDataCatalogSharedService_GetLobSystemAllAssembliesByte s_InputMessage .....	290
3.1.4.60.1.2	BusinessDataCatalogSharedService_GetLobSystemAllAssembliesByte s_OutputMessage .....	290
3.1.4.60.2	Elements .....	290
3.1.4.60.2.1	GetLobSystemAllAssembliesBytes .....	290
3.1.4.60.2.2	GetLobSystemAllAssembliesBytesResponse .....	291
3.1.4.60.3	Complex Types .....	291
3.1.4.60.3.1	ArrayOfbase64Binary .....	291
3.1.4.60.4	Simple Types .....	291
3.1.4.60.5	Attributes .....	291
3.1.4.60.6	Groups .....	292
3.1.4.60.7	Attribute Groups .....	292
3.1.4.61	GetLobSystemById .....	292
3.1.4.61.1	Messages .....	293
3.1.4.61.1.1	BusinessDataCatalogSharedService_GetLobSystemById_InputMessa ge .....	293
3.1.4.61.1.2	BusinessDataCatalogSharedService_GetLobSystemById_OutputMess age .....	293
3.1.4.61.2	Elements .....	293
3.1.4.61.2.1	GetLobSystemById .....	293
3.1.4.61.2.2	GetLobSystemByIdResponse .....	294
3.1.4.61.3	Complex Types .....	294
3.1.4.61.4	Simple Types .....	294
3.1.4.61.5	Attributes .....	294
3.1.4.61.6	Groups .....	294
3.1.4.61.7	Attribute Groups .....	295
3.1.4.62	GetLobSystemByName .....	295
3.1.4.62.1	Messages .....	296
3.1.4.62.1.1	BusinessDataCatalogSharedService_GetLobSystemByName_InputMe ssage .....	296
3.1.4.62.1.2	BusinessDataCatalogSharedService_GetLobSystemByName_OutputM essage .....	296
3.1.4.62.2	Elements .....	296

3.1.4.62.2.1	GetLobSystemByName .....	296
3.1.4.62.2.2	GetLobSystemByNameResponse .....	297
3.1.4.62.3	Complex Types .....	297
3.1.4.62.4	Simple Types .....	297
3.1.4.62.5	Attributes .....	297
3.1.4.62.6	Groups .....	297
3.1.4.62.7	Attribute Groups .....	297
3.1.4.63	GetLobSystemDataByLobSystem .....	297
3.1.4.63.1	Messages .....	298
3.1.4.63.1.1	BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InputMessage .....	299
3.1.4.63.1.2	BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_OutputMessage .....	299
3.1.4.63.2	Elements .....	299
3.1.4.63.2.1	GetLobSystemDataByLobSystem .....	299
3.1.4.63.2.2	GetLobSystemDataByLobSystemResponse .....	299
3.1.4.63.3	Complex Types .....	300
3.1.4.63.4	Simple Types .....	300
3.1.4.63.5	Attributes .....	300
3.1.4.63.6	Groups .....	300
3.1.4.63.7	Attribute Groups .....	300
3.1.4.64	GetLobSystemInstanceById .....	300
3.1.4.64.1	Messages .....	301
3.1.4.64.1.1	BusinessDataCatalogSharedService_GetLobSystemInstanceById_InputMessage .....	301
3.1.4.64.1.2	BusinessDataCatalogSharedService_GetLobSystemInstanceById_OutputMessage .....	302
3.1.4.64.2	Elements .....	302
3.1.4.64.2.1	GetLobSystemInstanceById .....	302
3.1.4.64.2.2	GetLobSystemInstanceByIdResponse .....	302
3.1.4.64.3	Complex Types .....	303
3.1.4.64.4	Simple Types .....	303
3.1.4.64.5	Attributes .....	303
3.1.4.64.6	Groups .....	303
3.1.4.64.7	Attribute Groups .....	303
3.1.4.65	GetLobSystemInstancesForLobSystem .....	303
3.1.4.65.1	Messages .....	304
3.1.4.65.1.1	BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InputMessage .....	304
3.1.4.65.1.2	BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_OutputMessage .....	305
3.1.4.65.2	Elements .....	305
3.1.4.65.2.1	GetLobSystemInstancesForLobSystem .....	305
3.1.4.65.2.2	GetLobSystemInstancesForLobSystemResponse .....	305
3.1.4.65.3	Complex Types .....	305
3.1.4.65.3.1	ArrayOfLobSystemInstanceStruct .....	305
3.1.4.65.4	Simple Types .....	306

3.1.4.65.5	Attributes .....	306
3.1.4.65.6	Groups.....	306
3.1.4.65.7	Attribute Groups.....	306
3.1.4.66	GetLobSystemProxyAssemblyBytesByLobSystemId .....	306
3.1.4.66.1	Messages .....	307
3.1.4.66.1.1	BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBy tesByLobSystemId_InputMessage.....	308
3.1.4.66.1.2	BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBy tesByLobSystemId_OutputMessage .....	308
3.1.4.66.2	Elements .....	308
3.1.4.66.2.1	GetLobSystemProxyAssemblyBytesByLobSystemId .....	308
3.1.4.66.2.2	GetLobSystemProxyAssemblyBytesByLobSystemIdResponse .....	308
3.1.4.66.3	Complex Types .....	309
3.1.4.66.4	Simple Types .....	309
3.1.4.66.5	Attributes .....	309
3.1.4.66.6	Groups.....	309
3.1.4.66.7	Attribute Groups.....	309
3.1.4.67	GetLobSystemsLikeName.....	309
3.1.4.67.1	Messages .....	310
3.1.4.67.1.1	BusinessDataCatalogSharedService_GetLobSystemsLikeName_Input Message .....	310
3.1.4.67.1.2	BusinessDataCatalogSharedService_GetLobSystemsLikeName_Outp utMessage .....	311
3.1.4.67.2	Elements .....	311
3.1.4.67.2.1	GetLobSystemsLikeName.....	311
3.1.4.67.2.2	GetLobSystemsLikeNameResponse .....	312
3.1.4.67.3	Complex Types .....	312
3.1.4.67.4	Simple Types .....	312
3.1.4.67.5	Attributes .....	312
3.1.4.67.6	Groups.....	312
3.1.4.67.7	Attribute Groups.....	312
3.1.4.68	GetLobSystemsReferencedByEntitiesAssociatedWithModel.....	312
3.1.4.68.1	Messages .....	313
3.1.4.68.1.1	BusinessDataCatalogSharedService_GetLobSystemsReferencedByEnt itiesAssociatedWithModel_InputMessage.....	314
3.1.4.68.1.2	BusinessDataCatalogSharedService_GetLobSystemsReferencedByEnt itiesAssociatedWithModel_OutputMessage .....	314
3.1.4.68.2	Elements .....	314
3.1.4.68.2.1	GetLobSystemsReferencedByEntitiesAssociatedWithModel .....	314
3.1.4.68.2.2	GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse ..	315
3.1.4.68.3	Complex Types .....	315
3.1.4.68.4	Simple Types .....	315
3.1.4.68.4.1	LobSystemConstants.LobSystemsInModelQuery .....	315
3.1.4.68.5	Attributes .....	316
3.1.4.68.6	Groups.....	316
3.1.4.68.7	Attribute Groups.....	316
3.1.4.69	GetMethodById.....	316



3.1.4.69.1	Messages .....	317
3.1.4.69.1.1	BusinessDataCatalogSharedService_GetMethodById_InputMessage ..	317
3.1.4.69.1.2	BusinessDataCatalogSharedService_GetMethodById_OutputMessage ..	317
3.1.4.69.2	Elements .....	317
3.1.4.69.2.1	GetMethodById .....	317
3.1.4.69.2.2	GetMethodByIdResponse .....	318
3.1.4.69.3	Complex Types .....	318
3.1.4.69.4	Simple Types .....	318
3.1.4.69.5	Attributes .....	318
3.1.4.69.6	Groups.....	318
3.1.4.69.7	Attribute Groups.....	318
3.1.4.70	GetMethodInstanceById.....	319
3.1.4.70.1	Messages .....	320
3.1.4.70.1.1	BusinessDataCatalogSharedService_GetMethodInstanceById_InputM essage .....	320
3.1.4.70.1.2	BusinessDataCatalogSharedService_GetMethodInstanceById_Output Message .....	320
3.1.4.70.2	Elements .....	320
3.1.4.70.2.1	GetMethodInstanceById .....	320
3.1.4.70.2.2	GetMethodInstanceByIdResponse .....	321
3.1.4.70.3	Complex Types .....	321
3.1.4.70.4	Simple Types .....	321
3.1.4.70.5	Attributes .....	321
3.1.4.70.6	Groups.....	321
3.1.4.70.7	Attribute Groups.....	321
3.1.4.71	GetMethodInstancesForDataClass .....	321
3.1.4.71.1	Messages .....	322
3.1.4.71.1.1	BusinessDataCatalogSharedService_GetMethodInstancesForDataClas s_InputMessage .....	323
3.1.4.71.1.2	BusinessDataCatalogSharedService_GetMethodInstancesForDataClas s_OutputMessage .....	323
3.1.4.71.2	Elements .....	323
3.1.4.71.2.1	GetMethodInstancesForDataClass .....	323
3.1.4.71.2.2	GetMethodInstancesForDataClassResponse .....	323
3.1.4.71.3	Complex Types .....	324
3.1.4.71.4	Simple Types .....	324
3.1.4.71.5	Attributes .....	324
3.1.4.71.6	Groups.....	324
3.1.4.71.7	Attribute Groups.....	324
3.1.4.72	GetMethodInstancesForMethod .....	324
3.1.4.72.1	Messages .....	325
3.1.4.72.1.1	BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ InputMessage .....	325
3.1.4.72.1.2	BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ OutputMessage .....	326
3.1.4.72.2	Elements .....	326

3.1.4.72.2.1	GetMethodInstancesForMethod.....	326
3.1.4.72.2.2	GetMethodInstancesForMethodResponse .....	326
3.1.4.72.3	Complex Types .....	326
3.1.4.72.4	Simple Types .....	326
3.1.4.72.5	Attributes .....	327
3.1.4.72.6	Groups.....	327
3.1.4.72.7	Attribute Groups.....	327
3.1.4.73	GetMethodsForDataClass .....	327
3.1.4.73.1	Messages .....	328
3.1.4.73.1.1	BusinessDataCatalogSharedService_GetMethodsForDataClass_Input Message .....	328
3.1.4.73.1.2	BusinessDataCatalogSharedService_GetMethodsForDataClass_Outpu tMessage.....	328
3.1.4.73.2	Elements .....	328
3.1.4.73.2.1	GetMethodsForDataClass .....	328
3.1.4.73.2.2	GetMethodsForDataClassResponse.....	329
3.1.4.73.3	Complex Types .....	329
3.1.4.73.3.1	ArrayOfMethodStruct.....	329
3.1.4.73.4	Simple Types .....	329
3.1.4.73.5	Attributes .....	329
3.1.4.73.6	Groups.....	330
3.1.4.73.7	Attribute Groups.....	330
3.1.4.74	GetModelById.....	330
3.1.4.74.1	Messages .....	331
3.1.4.74.1.1	BusinessDataCatalogSharedService_GetModelById_InputMessage ....	331
3.1.4.74.1.2	BusinessDataCatalogSharedService_GetModelById_OutputMessage ..	331
3.1.4.74.2	Elements .....	331
3.1.4.74.2.1	GetModelById.....	331
3.1.4.74.2.2	GetModelByIdResponse .....	332
3.1.4.74.3	Complex Types .....	332
3.1.4.74.4	Simple Types .....	332
3.1.4.74.5	Attributes .....	332
3.1.4.74.6	Groups.....	332
3.1.4.74.7	Attribute Groups.....	332
3.1.4.75	GetModelByName .....	332
3.1.4.75.1	Messages .....	333
3.1.4.75.1.1	BusinessDataCatalogSharedService_GetModelByName_InputMessag e .....	334
3.1.4.75.1.2	BusinessDataCatalogSharedService_GetModelByName_OutputMessa ge .....	334
3.1.4.75.2	Elements .....	334
3.1.4.75.2.1	GetModelByName .....	334
3.1.4.75.2.2	GetModelByNameResponse .....	334
3.1.4.75.3	Complex Types .....	335
3.1.4.75.4	Simple Types .....	335
3.1.4.75.5	Attributes .....	335
3.1.4.75.6	Groups.....	335
3.1.4.75.7	Attribute Groups.....	335
3.1.4.76	GetModelsByEntityId .....	335

3.1.4.76.1	Messages .....	336
3.1.4.76.1.1	BusinessDataCatalogSharedService_GetModelsByEntityId_InputMessage .....	336
3.1.4.76.1.2	BusinessDataCatalogSharedService_GetModelsByEntityId_OutputMessage .....	336
3.1.4.76.2	Elements .....	336
3.1.4.76.2.1	GetModelsByEntityId .....	337
3.1.4.76.2.2	GetModelsByEntityIdResponse .....	337
3.1.4.76.3	Complex Types .....	337
3.1.4.76.4	Simple Types .....	337
3.1.4.76.5	Attributes .....	337
3.1.4.76.6	Groups .....	337
3.1.4.76.7	Attribute Groups .....	337
3.1.4.77	GetModelsByName .....	338
3.1.4.77.1	Messages .....	339
3.1.4.77.1.1	BusinessDataCatalogSharedService_GetModelsByName_InputMessage .....	339
3.1.4.77.1.2	BusinessDataCatalogSharedService_GetModelsByName_OutputMessage .....	339
3.1.4.77.2	Elements .....	339
3.1.4.77.2.1	GetModelsByName .....	339
3.1.4.77.2.2	GetModelsByNameResponse .....	340
3.1.4.77.3	Complex Types .....	340
3.1.4.77.4	Simple Types .....	340
3.1.4.77.5	Attributes .....	340
3.1.4.77.6	Groups .....	340
3.1.4.77.7	Attribute Groups .....	341
3.1.4.78	GetParameterById .....	341
3.1.4.78.1	Messages .....	342
3.1.4.78.1.1	BusinessDataCatalogSharedService_GetParameterById_InputMessage .....	342
3.1.4.78.1.2	BusinessDataCatalogSharedService_GetParameterById_OutputMessage .....	342
3.1.4.78.2	Elements .....	342
3.1.4.78.2.1	GetParameterById .....	342
3.1.4.78.2.2	GetParameterByIdResponse .....	343
3.1.4.78.3	Complex Types .....	343
3.1.4.78.4	Simple Types .....	343
3.1.4.78.5	Attributes .....	343
3.1.4.78.6	Groups .....	343
3.1.4.78.7	Attribute Groups .....	343
3.1.4.79	GetParametersForMethod .....	343
3.1.4.79.1	Messages .....	344
3.1.4.79.1.1	BusinessDataCatalogSharedService_GetParametersForMethod_InputMessage .....	345

3.1.4.79.1.2	BusinessDataCatalogSharedService_GetParametersForMethod_OutputMessage .....	345
3.1.4.79.2	Elements .....	345
3.1.4.79.2.1	GetParametersForMethod .....	345
3.1.4.79.2.2	GetParametersForMethodResponse .....	345
3.1.4.79.3	Complex Types .....	346
3.1.4.79.3.1	ArrayOfParameterStruct .....	346
3.1.4.79.4	Simple Types .....	346
3.1.4.79.5	Attributes .....	346
3.1.4.79.6	Groups .....	346
3.1.4.79.7	Attribute Groups .....	346
3.1.4.80	GetRootTypeDescriptorForParameter .....	346
3.1.4.80.1	Messages .....	347
3.1.4.80.1.1	BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InputMessage .....	348
3.1.4.80.1.2	BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_OutputMessage .....	348
3.1.4.80.2	Elements .....	348
3.1.4.80.2.1	GetRootTypeDescriptorForParameter .....	348
3.1.4.80.2.2	GetRootTypeDescriptorForParameterResponse .....	348
3.1.4.80.3	Complex Types .....	349
3.1.4.80.4	Simple Types .....	349
3.1.4.80.5	Attributes .....	349
3.1.4.80.6	Groups .....	349
3.1.4.80.7	Attribute Groups .....	349
3.1.4.81	GetServiceApplicationId .....	349
3.1.4.81.1	Messages .....	349
3.1.4.81.1.1	BusinessDataCatalogSharedService_GetServiceApplicationId_InputMessage .....	349
3.1.4.81.1.2	BusinessDataCatalogSharedService_GetServiceApplicationId_OutputMessage .....	350
3.1.4.81.2	Elements .....	350
3.1.4.81.2.1	GetServiceApplicationId .....	350
3.1.4.81.2.2	GetServiceApplicationIdResponse .....	350
3.1.4.81.3	Complex Types .....	350
3.1.4.81.4	Simple Types .....	350
3.1.4.81.5	Attributes .....	351
3.1.4.81.6	Groups .....	351
3.1.4.81.7	Attribute Groups .....	351
3.1.4.82	GetSystemUtilityTypeNameForLobSystem .....	351
3.1.4.82.1	Messages .....	352
3.1.4.82.1.1	BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InputMessage .....	352
3.1.4.82.1.2	BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_OutputMessage .....	352
3.1.4.82.2	Elements .....	353

3.1.4.82.2.1	GetSystemUtilityTypeNameForLobSystem .....	353
3.1.4.82.2.2	GetSystemUtilityTypeNameForLobSystemResponse.....	353
3.1.4.82.3	Complex Types .....	353
3.1.4.82.4	Simple Types .....	353
3.1.4.82.5	Attributes .....	353
3.1.4.82.6	Groups.....	353
3.1.4.82.7	Attribute Groups.....	353
3.1.4.83	GetTypeDescriptorById .....	354
3.1.4.83.1	Messages .....	355
3.1.4.83.1.1	BusinessDataCatalogSharedService_GetTypeDescriptorById_InputM essage .....	355
3.1.4.83.1.2	BusinessDataCatalogSharedService_GetTypeDescriptorById_Output Message .....	355
3.1.4.83.2	Elements .....	355
3.1.4.83.2.1	GetTypeDescriptorById.....	355
3.1.4.83.2.2	GetTypeDescriptorByIdResponse .....	356
3.1.4.83.3	Complex Types .....	356
3.1.4.83.4	Simple Types .....	356
3.1.4.83.5	Attributes .....	356
3.1.4.83.6	Groups.....	356
3.1.4.83.7	Attribute Groups.....	356
3.1.4.84	GetTypeDescriptorsByNameAndLevelForParameter .....	356
3.1.4.84.1	Messages .....	358
3.1.4.84.1.1	BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAnd LevelForParameter_InputMessage .....	358
3.1.4.84.1.2	BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAnd LevelForParameter_OutputMessage .....	358
3.1.4.84.2	Elements .....	358
3.1.4.84.2.1	GetTypeDescriptorsByNameAndLevelForParameter .....	358
3.1.4.84.2.2	GetTypeDescriptorsByNameAndLevelForParameterResponse .....	359
3.1.4.84.3	Complex Types .....	359
3.1.4.84.4	Simple Types .....	359
3.1.4.84.5	Attributes .....	359
3.1.4.84.6	Groups.....	359
3.1.4.84.7	Attribute Groups.....	359
3.1.4.85	GetTypeDescriptorsForFilterDescriptor .....	359
3.1.4.85.1	Messages .....	361
3.1.4.85.1.1	BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDesc riptor_InputMessage .....	361
3.1.4.85.1.2	BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDesc riptor_OutputMessage .....	361
3.1.4.85.2	Elements .....	361
3.1.4.85.2.1	GetTypeDescriptorsForFilterDescriptor.....	361
3.1.4.85.2.2	GetTypeDescriptorsForFilterDescriptorResponse .....	361
3.1.4.85.3	Complex Types .....	362
3.1.4.85.4	Simple Types .....	362
3.1.4.85.5	Attributes .....	362

3.1.4.85.6	Groups.....	362
3.1.4.85.7	Attribute Groups.....	362
3.1.4.86	GetTypeReflectorTypeNameForParameter .....	362
3.1.4.86.1	Messages .....	363
3.1.4.86.1.1	BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_InputMessage .....	363
3.1.4.86.1.2	BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_OutputMessage.....	364
3.1.4.86.2	Elements .....	364
3.1.4.86.2.1	GetTypeReflectorTypeNameForParameter .....	364
3.1.4.86.2.2	GetTypeReflectorTypeNameForParameterResponse .....	364
3.1.4.86.3	Complex Types .....	365
3.1.4.86.4	Simple Types .....	365
3.1.4.86.5	Attributes .....	365
3.1.4.86.6	Groups.....	365
3.1.4.86.7	Attribute Groups.....	365
3.1.4.87	GetXmlSchemaForView.....	365
3.1.4.87.1	Messages .....	367
3.1.4.87.1.1	BusinessDataCatalogSharedService_GetXmlSchemaForView_InputMessage .....	367
3.1.4.87.1.2	BusinessDataCatalogSharedService_GetXmlSchemaForView_OutputMessage .....	367
3.1.4.87.2	Elements .....	367
3.1.4.87.2.1	GetXmlSchemaForView.....	367
3.1.4.87.2.2	GetXmlSchemaForViewResponse .....	367
3.1.4.87.3	Complex Types .....	369
3.1.4.87.4	Simple Types .....	369
3.1.4.87.5	Attributes .....	369
3.1.4.87.6	Groups.....	369
3.1.4.87.7	Attribute Groups.....	370
3.1.4.88	HaveRights .....	370
3.1.4.88.1	Messages .....	371
3.1.4.88.1.1	BusinessDataCatalogSharedService_HaveRights_InputMessage .....	371
3.1.4.88.1.2	BusinessDataCatalogSharedService_HaveRights_OutputMessage.....	371
3.1.4.88.2	Elements .....	371
3.1.4.88.2.1	HaveRights .....	371
3.1.4.88.2.2	HaveRightsResponse .....	372
3.1.4.88.3	Complex Types .....	372
3.1.4.88.4	Simple Types .....	372
3.1.4.88.4.1	BdcRights .....	372
3.1.4.88.5	Attributes .....	373
3.1.4.88.6	Groups.....	373
3.1.4.88.7	Attribute Groups.....	373
3.1.4.89	ImportPackage .....	373
3.1.4.89.1	Messages .....	376
3.1.4.89.1.1	BusinessDataCatalogSharedService_ImportPackage_InputMessage...	377
3.1.4.89.1.2	BusinessDataCatalogSharedService_ImportPackage_OutputMessage	377
3.1.4.89.2	Elements .....	377
3.1.4.89.2.1	ImportPackage .....	377

3.1.4.89.2.2	ImportPackageResponse.....	378
3.1.4.89.3	Complex Types .....	379
3.1.4.89.4	Simple Types .....	379
3.1.4.89.5	Attributes .....	379
3.1.4.89.6	Groups.....	379
3.1.4.89.7	Attribute Groups.....	379
3.1.4.90	ImportPackageWithProgress.....	379
3.1.4.90.1	Messages .....	382
3.1.4.90.1.1	BusinessDataCatalogSharedService_ImportPackageWithProgress_InputMessage .....	382
3.1.4.90.1.2	BusinessDataCatalogSharedService_ImportPackageWithProgress_OutputMessage .....	383
3.1.4.90.2	Elements .....	383
3.1.4.90.2.1	ImportPackageWithProgress.....	383
3.1.4.90.2.2	ImportPackageWithProgressResponse .....	384
3.1.4.90.3	Complex Types .....	385
3.1.4.90.4	Simple Types .....	385
3.1.4.90.5	Attributes .....	385
3.1.4.90.6	Groups.....	385
3.1.4.90.7	Attribute Groups.....	385
3.1.4.91	IsMethodInstantiated .....	385
3.1.4.91.1	Messages .....	386
3.1.4.91.1.1	BusinessDataCatalogSharedService_IsMethodInstantiated_InputMessage .....	386
3.1.4.91.1.2	BusinessDataCatalogSharedService_IsMethodInstantiated_OutputMessage .....	386
3.1.4.91.2	Elements .....	386
3.1.4.91.2.1	IsMethodInstantiated .....	386
3.1.4.91.2.2	IsMethodInstantiatedResponse .....	387
3.1.4.91.3	Complex Types .....	387
3.1.4.91.4	Simple Types .....	387
3.1.4.91.5	Attributes .....	387
3.1.4.91.6	Groups.....	387
3.1.4.91.7	Attribute Groups.....	387
3.1.4.92	IsParameterReferencedByMethodInstance.....	387
3.1.4.92.1	Messages .....	389
3.1.4.92.1.1	BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InputMessage .....	389
3.1.4.92.1.2	BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_OutputMessage .....	389
3.1.4.92.2	Elements .....	389
3.1.4.92.2.1	IsParameterReferencedByMethodInstance.....	389
3.1.4.92.2.2	IsParameterReferencedByMethodInstanceResponse .....	390
3.1.4.92.3	Complex Types .....	390
3.1.4.92.4	Simple Types .....	390
3.1.4.92.5	Attributes .....	390
3.1.4.92.6	Groups.....	390

3.1.4.92.7	Attribute Groups.....	390
3.1.4.93	MetadataObjectCreate .....	390
3.1.4.93.1	Messages .....	397
3.1.4.93.1.1	BusinessDataCatalogSharedService_MetadataObjectCreate_InputMessage .....	397
3.1.4.93.1.2	BusinessDataCatalogSharedService_MetadataObjectCreate_OutputMessage .....	398
3.1.4.93.2	Elements .....	398
3.1.4.93.2.1	MetadataObjectCreate .....	398
3.1.4.93.2.2	MetadataObjectCreateResponse.....	398
3.1.4.93.3	Complex Types .....	399
3.1.4.93.4	Simple Types .....	399
3.1.4.93.5	Attributes .....	399
3.1.4.93.6	Groups.....	399
3.1.4.93.7	Attribute Groups.....	399
3.1.4.94	MetadataObjectMergeXml .....	399
3.1.4.94.1	Messages .....	402
3.1.4.94.1.1	BusinessDataCatalogSharedService_MetadataObjectMergeXml_InputMessage .....	402
3.1.4.94.1.2	BusinessDataCatalogSharedService_MetadataObjectMergeXml_OutputMessage .....	402
3.1.4.94.2	Elements .....	403
3.1.4.94.2.1	MetadataObjectMergeXml .....	403
3.1.4.94.2.2	MetadataObjectMergeXmlResponse .....	404
3.1.4.94.3	Complex Types .....	405
3.1.4.94.4	Simple Types .....	405
3.1.4.94.5	Attributes .....	405
3.1.4.94.6	Groups.....	405
3.1.4.94.7	Attribute Groups.....	405
3.1.4.95	MetadataObjectReadXml .....	405
3.1.4.95.1	Messages .....	411
3.1.4.95.1.1	BusinessDataCatalogSharedService_MetadataObjectReadXml_InputMessage .....	411
3.1.4.95.1.2	BusinessDataCatalogSharedService_MetadataObjectReadXml_OutputMessage .....	411
3.1.4.95.2	Elements .....	411
3.1.4.95.2.1	MetadataObjectReadXml.....	411
3.1.4.95.2.2	MetadataObjectReadXmlResponse .....	413
3.1.4.95.3	Complex Types .....	413
3.1.4.95.4	Simple Types .....	413
3.1.4.95.5	Attributes .....	413
3.1.4.95.6	Groups.....	413
3.1.4.95.7	Attribute Groups.....	414
3.1.4.96	MetadataObjectWriteXml .....	414
3.1.4.96.1	Messages .....	415



3.1.4.96.1.1	BusinessDataCatalogSharedService_MetadataObjectWriteXml_Input Message .....	416
3.1.4.96.1.2	BusinessDataCatalogSharedService_MetadataObjectWriteXml_Outpu tMessage .....	416
3.1.4.96.2	Elements .....	416
3.1.4.96.2.1	MetadataObjectWriteXml .....	416
3.1.4.96.2.2	MetadataObjectWriteXmlResponse .....	417
3.1.4.96.3	Complex Types .....	418
3.1.4.96.4	Simple Types .....	418
3.1.4.96.5	Attributes .....	419
3.1.4.96.6	Groups.....	419
3.1.4.96.7	Attribute Groups.....	419
3.1.4.97	ModelReadXml.....	419
3.1.4.97.1	Messages .....	423
3.1.4.97.1.1	BusinessDataCatalogSharedService_ModelReadXml_InputMessage ...	423
3.1.4.97.1.2	BusinessDataCatalogSharedService_ModelReadXml_OutputMessage .	423
3.1.4.97.2	Elements .....	423
3.1.4.97.2.1	ModelReadXml.....	424
3.1.4.97.2.2	ModelReadXmlResponse .....	425
3.1.4.97.3	Complex Types .....	425
3.1.4.97.4	Simple Types .....	425
3.1.4.97.5	Attributes .....	425
3.1.4.97.6	Groups.....	425
3.1.4.97.7	Attribute Groups.....	425
3.1.4.98	ReadSlicedXml.....	425
3.1.4.98.1	Messages .....	426
3.1.4.98.1.1	BusinessDataCatalogSharedService_ReadSlicedXml_InputMessage ...	426
3.1.4.98.1.2	BusinessDataCatalogSharedService_ReadSlicedXml_OutputMessage .	427
3.1.4.98.2	Elements .....	427
3.1.4.98.2.1	ReadSlicedXml .....	427
3.1.4.98.2.2	ReadSlicedXmlResponse .....	427
3.1.4.98.3	Complex Types .....	428
3.1.4.98.4	Simple Types .....	428
3.1.4.98.5	Attributes .....	428
3.1.4.98.6	Groups.....	428
3.1.4.98.7	Attribute Groups.....	428
3.1.4.99	RemoveEntityFromModel .....	428
3.1.4.99.1	Messages .....	429
3.1.4.99.1.1	BusinessDataCatalogSharedService_RemoveEntityFromModel_Input Message .....	429
3.1.4.99.1.2	BusinessDataCatalogSharedService_RemoveEntityFromModel_Outpu tMessage .....	429
3.1.4.99.2	Elements .....	430
3.1.4.99.2.1	RemoveEntityFromModel .....	430
3.1.4.99.2.2	RemoveEntityFromModelResponse .....	430
3.1.4.99.3	Complex Types .....	430
3.1.4.99.4	Simple Types .....	430
3.1.4.99.5	Attributes .....	430
3.1.4.99.6	Groups.....	430

3.1.4.99.7	Attribute Groups.....	430
3.1.4.100	RemoveLocalizedName .....	431
3.1.4.100.1	Messages.....	432
3.1.4.100.1.1	BusinessDataCatalogSharedService_RemoveLocalizedName_InputMessage .....	432
3.1.4.100.1.2	BusinessDataCatalogSharedService_RemoveLocalizedName_OutputMessage .....	432
3.1.4.100.2	Elements .....	432
3.1.4.100.2.1	RemoveLocalizedName .....	432
3.1.4.100.2.2	RemoveLocalizedNameResponse .....	433
3.1.4.100.3	Complex Types.....	433
3.1.4.100.4	Simple Types .....	433
3.1.4.100.5	Attributes .....	433
3.1.4.100.6	Groups .....	433
3.1.4.100.7	Attribute Groups.....	433
3.1.4.101	RemoveProperty .....	433
3.1.4.101.1	Messages.....	434
3.1.4.101.1.1	BusinessDataCatalogSharedService_RemoveProperty_InputMessage .....	434
3.1.4.101.1.2	BusinessDataCatalogSharedService_RemoveProperty_OutputMessage .....	435
3.1.4.101.2	Elements .....	435
3.1.4.101.2.1	RemoveProperty .....	435
3.1.4.101.2.2	RemovePropertyResponse .....	435
3.1.4.101.3	Complex Types.....	435
3.1.4.101.4	Simple Types .....	436
3.1.4.101.5	Attributes .....	436
3.1.4.101.6	Groups .....	436
3.1.4.101.7	Attribute Groups.....	436
3.1.4.102	SaveLocalizedName.....	436
3.1.4.102.1	Messages.....	437
3.1.4.102.1.1	BusinessDataCatalogSharedService_SaveLocalizedName_InputMessage .....	437
3.1.4.102.1.2	BusinessDataCatalogSharedService_SaveLocalizedName_OutputMessage .....	437
3.1.4.102.2	Elements .....	438
3.1.4.102.2.1	SaveLocalizedName.....	438
3.1.4.102.2.2	SaveLocalizedNameResponse .....	438
3.1.4.102.3	Complex Types.....	438
3.1.4.102.4	Simple Types .....	438
3.1.4.102.5	Attributes .....	438
3.1.4.102.6	Groups .....	438
3.1.4.102.7	Attribute Groups.....	439
3.1.4.103	SaveProperty.....	439
3.1.4.103.1	Messages.....	440
3.1.4.103.1.1	BusinessDataCatalogSharedService_SaveProperty_InputMessage .....	440
3.1.4.103.1.2	BusinessDataCatalogSharedService_SaveProperty_OutputMessage .....	440
3.1.4.103.2	Elements .....	440

3.1.4.103.2.1	SaveProperty.....	440
3.1.4.103.2.2	SavePropertyResponse .....	441
3.1.4.103.3	Complex Types.....	441
3.1.4.103.4	Simple Types .....	441
3.1.4.103.5	Attributes .....	441
3.1.4.103.6	Groups .....	441
3.1.4.103.7	Attribute Groups.....	441
3.1.4.104	SetAccessControlEntries.....	441
3.1.4.104.1	Messages.....	443
3.1.4.104.1.1	BusinessDataCatalogSharedService_SetAccessControlEntries_InputM essage .....	443
3.1.4.104.1.2	BusinessDataCatalogSharedService_SetAccessControlEntries_Output Message .....	443
3.1.4.104.2	Elements .....	443
3.1.4.104.2.1	SetAccessControlEntries.....	443
3.1.4.104.2.2	SetAccessControlEntriesResponse .....	444
3.1.4.104.3	Complex Types.....	444
3.1.4.104.4	Simple Types .....	444
3.1.4.104.5	Attributes .....	444
3.1.4.104.6	Groups .....	444
3.1.4.104.7	Attribute Groups.....	444
3.1.4.105	SetDefaultActionForEntity .....	444
3.1.4.105.1	Messages.....	445
3.1.4.105.1.1	BusinessDataCatalogSharedService_SetDefaultActionForEntity_Input Message .....	446
3.1.4.105.1.2	BusinessDataCatalogSharedService_SetDefaultActionForEntity_Outp utMessage .....	446
3.1.4.105.2	Elements .....	446
3.1.4.105.2.1	SetDefaultActionForEntity .....	446
3.1.4.105.2.2	SetDefaultActionForEntityResponse .....	446
3.1.4.105.3	Complex Types.....	447
3.1.4.105.4	Simple Types .....	447
3.1.4.105.5	Attributes .....	447
3.1.4.105.6	Groups .....	447
3.1.4.105.7	Attribute Groups.....	447
3.1.4.106	SetDefaultValuesForTypeDescriptor .....	447
3.1.4.106.1	Messages.....	448
3.1.4.106.1.1	BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescrip tor_InputMessage.....	448
3.1.4.106.1.2	BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescrip tor_OutputMessage.....	449
3.1.4.106.2	Elements .....	449
3.1.4.106.2.1	SetDefaultValuesForTypeDescriptor .....	449
3.1.4.106.2.2	SetDefaultValuesForTypeDescriptorResponse.....	449
3.1.4.106.3	Complex Types.....	449
3.1.4.106.4	Simple Types .....	449
3.1.4.106.5	Attributes .....	450

3.1.4.106.6	Groups .....	450
3.1.4.106.7	Attribute Groups .....	450
3.1.4.107	SetLobSystemDataByLobSystemId .....	450
3.1.4.107.1	Messages .....	451
3.1.4.107.1.1	BusinessDataCatalogSharedService_SetLobSystemDataByLobSystem Id_InputMessage .....	451
3.1.4.107.1.2	BusinessDataCatalogSharedService_SetLobSystemDataByLobSystem Id_OutputMessage .....	451
3.1.4.107.2	Elements .....	451
3.1.4.107.2.1	SetLobSystemDataByLobSystemId .....	451
3.1.4.107.2.2	SetLobSystemDataByLobSystemIdResponse .....	452
3.1.4.107.3	Complex Types .....	452
3.1.4.107.4	Simple Types .....	452
3.1.4.107.5	Attributes .....	452
3.1.4.107.6	Groups .....	452
3.1.4.107.7	Attribute Groups .....	452
3.1.4.108	TypeDescriptorCreate .....	452
3.1.4.108.1	Messages .....	454
3.1.4.108.1.1	BusinessDataCatalogSharedService_TypeDescriptorCreate_InputMes sage .....	454
3.1.4.108.1.2	BusinessDataCatalogSharedService_TypeDescriptorCreate_OutputMe ssage .....	455
3.1.4.108.2	Elements .....	455
3.1.4.108.2.1	TypeDescriptorCreate .....	455
3.1.4.108.2.2	TypeDescriptorCreateResponse .....	455
3.1.4.108.3	Complex Types .....	455
3.1.4.108.4	Simple Types .....	456
3.1.4.108.5	Attributes .....	456
3.1.4.108.6	Groups .....	456
3.1.4.108.7	Attribute Groups .....	456
3.1.4.109	TypeDescriptorMergeXml .....	456
3.1.4.109.1	Messages .....	458
3.1.4.109.1.1	BusinessDataCatalogSharedService_TypeDescriptorMergeXml_Input Message .....	458
3.1.4.109.1.2	BusinessDataCatalogSharedService_TypeDescriptorMergeXml_Outpu tMessage .....	458
3.1.4.109.2	Elements .....	458
3.1.4.109.2.1	TypeDescriptorMergeXml .....	458
3.1.4.109.2.2	TypeDescriptorMergeXmlResponse .....	459
3.1.4.109.3	Complex Types .....	460
3.1.4.109.4	Simple Types .....	460
3.1.4.109.5	Attributes .....	460
3.1.4.109.6	Groups .....	460
3.1.4.109.7	Attribute Groups .....	460
3.1.4.110	TypeDescriptorReadXml .....	460
3.1.4.110.1	Messages .....	463

3.1.4.110.1.1	BusinessDataCatalogSharedService_TypeDescriptorReadXml_InputM essage .....	463
3.1.4.110.1.2	BusinessDataCatalogSharedService_TypeDescriptorReadXml_Output Message .....	463
3.1.4.110.2	Elements .....	463
3.1.4.110.2.1	TypeDescriptorReadXml .....	463
3.1.4.110.2.2	TypeDescriptorReadXmlResponse .....	464
3.1.4.110.3	Complex Types .....	464
3.1.4.110.4	Simple Types .....	464
3.1.4.110.5	Attributes .....	464
3.1.4.110.6	Groups .....	464
3.1.4.110.7	Attribute Groups .....	465
3.1.4.111	Update .....	465
3.1.4.111.1	Messages .....	470
3.1.4.111.1.1	BusinessDataCatalogSharedService_Update_InputMessage .....	471
3.1.4.111.1.2	BusinessDataCatalogSharedService_Update_OutputMessage .....	471
3.1.4.111.2	Elements .....	471
3.1.4.111.2.1	Update .....	471
3.1.4.111.2.2	UpdateResponse .....	471
3.1.4.111.3	Complex Types .....	472
3.1.4.111.4	Simple Types .....	472
3.1.4.111.5	Attributes .....	472
3.1.4.111.6	Groups .....	472
3.1.4.111.7	Attribute Groups .....	472
3.1.4.112	WriteSlicedXml .....	472
3.1.4.112.1	Messages .....	473
3.1.4.112.1.1	BusinessDataCatalogSharedService_WriteSlicedXml_InputMessage .....	473
3.1.4.112.1.2	BusinessDataCatalogSharedService_WriteSlicedXml_OutputMessage .....	473
3.1.4.112.2	Elements .....	473
3.1.4.112.2.1	WriteSlicedXml .....	473
3.1.4.112.2.2	WriteSlicedXmlResponse .....	474
3.1.4.112.3	Complex Types .....	474
3.1.4.112.4	Simple Types .....	474
3.1.4.112.5	Attributes .....	474
3.1.4.112.6	Groups .....	474
3.1.4.112.7	Attribute Groups .....	474
3.1.5	Timer Events .....	474
3.1.6	Other Local Events .....	474

<b>4</b>	<b>Protocol Examples .....</b>	<b>475</b>
4.1	Creating an LobSystem .....	475
4.2	Setting the Security Information of a MetadataObject .....	476
4.3	Reading the Security Information of a MetadataObject .....	478
4.4	Creating an Entity .....	479
4.5	Activating an Entity .....	481
4.6	Reading an Entity .....	483
4.7	Creating Properties for MetadataObjects .....	484
4.8	Adding Localized Names for MetadataObjects .....	486
4.9	Updating an Entity .....	487
4.10	Deleting an Entity .....	489

<b>5 Security .....</b>	<b>491</b>
5.1 Security Considerations for Implementers.....	491
5.2 Index of Security Parameters .....	491
<b>6 Appendix A: Full WSDL .....</b>	<b>492</b>
<b>7 Appendix B: Product Behavior .....</b>	<b>768</b>
<b>8 Change Tracking.....</b>	<b>774</b>
<b>9 Index .....</b>	<b>775</b>

# 1 Introduction

This document specifies the Business Data Connectivity Remote Administration Web Service Protocol. This protocol enables protocol clients to create, store and retrieve information about interfaces of business systems and annotations of these interfaces.

## 1.1 Glossary

The following terms are defined in [\[MS-GLOS\]](#):

**access control entry (ACE)**  
**anonymous user**  
**Coordinated Universal Time (UTC)**  
**GUID**  
**Hypertext Transfer Protocol (HTTP)**  
**language code identifier (LCID)**  
**Unicode**  
**XML**

The following terms are defined in [\[MS-OFCGLOS\]](#):

**AccessChecker**  
**Action**  
**ActionParameter**  
**ActivityTrackingFilter**  
**Association**  
**AssociationGroup**  
**AssociationNavigator**  
**AssociationReference**  
**Associator**  
**BatchingPositionFilter**  
**BatchingTerminationFilter**  
**BinarySecurityDescriptorAccessor**  
**BulkAssociatedIdEnumerator**  
**BulkAssociationNavigator**  
**BulkIdEnumerator**  
**BulkSpecificFinder**  
**Business Logic Module**  
**ChangedIdEnumerator**  
**ComparisonFilter**  
**complex type**  
**Creator**  
**DataClass**  
**DefaultValue**  
**DeletedIdEnumerator**  
**Deleter**  
**Disassociator**  
**empty GUID**  
**endpoint**  
**Entity**  
**EntityInstance**  
**field**  
**FilterDescriptor**  
**Finder**  
**GenericInvoker**

**Identifier**  
**IdEnumerator**  
**InputFilter**  
**InputOutputFilter**  
**LastIdFilter**  
**LimitFilter**  
**line-of-business (LOB) system**  
**LobSystem**  
**LobSystemInstance**  
**localized name**  
**metadata store**  
**MetadataCatalog**  
**MetadataModel**  
**MetadataObject**  
**MetadataObjectId**  
**Method**  
**MethodInstance**  
**Model**  
**OutputFilter**  
**PageNumberFilter**  
**Parameter**  
**partition**  
**PasswordCredentialFilter**  
**Property**  
**ReturnTypeDescriptor**  
**root element**  
**root TypeDescriptor**  
**Scalar**  
**security principal**  
**Setting**  
**Simple Object Access Protocol (SOAP)**  
**simple type**  
**SOAP action**  
**SOAP body**  
**SOAP fault**  
**SpecificFinder**  
**SsoTicketFilter**  
**StreamAccessor**  
**TimeStampFilter**  
**TypeDescriptor**  
**TypeReflector**  
**Uniform Resource Identifier (URI)**  
**Uniform Resource Locator (URL)**  
**Updater**  
**UserContextFilter**  
**UserCultureFilter**  
**UsernameCredentialFilter**  
**UserProfileFilter**  
**View**  
**Web service**  
**Web Services Description Language (WSDL)**  
**WildcardFilter**  
**WSDL message**  
**WSDL operation**  
**XML attribute**



**XML element**  
**XML namespace**  
**XML namespace prefix**

The following terms are specific to this document:

**MAY, SHOULD, MUST, SHOULD NOT, MUST NOT:** These terms (in all caps) are used as described in [\[RFC2119\]](#). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

## 1.2 References

### 1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com). We will assist you in finding the relevant information. Please check the archive site, <http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624>, as an additional source.

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[MS-NRTP] Microsoft Corporation, "[.NET Remoting: Core Protocol Specification](#)".

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[XML] World Wide Web Consortium, "Extensible Markup Language (XML) 1.0 (Fourth Edition)", W3C Recommendation, August 2006, <http://www.w3.org/TR/2006/REC-xml-20060816/>

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[XMLINFOSET] World Wide Web Consortium, "XML Information Set (Second Edition)", February 2004, <http://www.w3.org/TR/2004/REC-xml-infoset-20040204>

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[XMLSCHEMA2] Biron, P.V., Ed. and Malhotra, A., Ed., "XML Schema Part 2: Datatypes", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/>

### 1.2.2 Informative References

[MSDN-SharePointSDK] Microsoft Corporation, "SharePoint Products and Technologies SDK: 2010 API Reference (Technical Preview)", July 2009, [http://msdn.microsoft.com/en-us/library/ee557253\(office.14\).aspx](http://msdn.microsoft.com/en-us/library/ee557253(office.14).aspx)

[MS-GLOS] Microsoft Corporation, "[Windows Protocols Master Glossary](#)".

[MS-OFCGLOS] Microsoft Corporation, "[Microsoft Office Master Glossary](#)".

### 1.3 Protocol Overview (Synopsis)

Corporations have a variety of data stored in various **line-of-business (LOB) systems**. Typically, this data is accessible only through the proprietary programming interface of enterprise software systems. It is ideal to provide access to such data through a set of normalized interfaces so that users do not have to learn system-specific or adapter-specific programming patterns for each system.

To facilitate this access, it is possible to store descriptions of the programmatic interface of the LOB systems, such as "get all customers" or "update order information", by using data structures, such as **Methods**, **Parameters**, and **TypeDescriptors**. It is also possible to store information about the LOB systems themselves, such as the server name, connection information, and steps on how to authenticate users, by using data structures, such as **LobSystem** and **LobSystemInstance**.

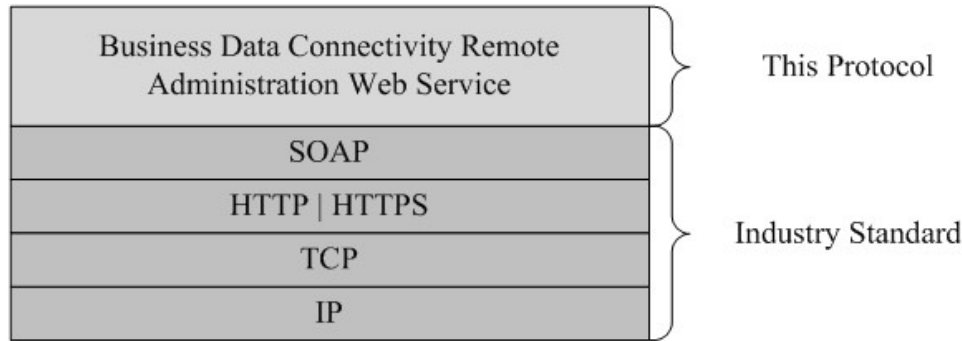
Methods can be considered to live within an **Entity** representing a business data type, such as a "customer" or an "order". The LOB system interface definitions can then be transformed into normalized, stereotypical operations against Entities, such as "Read-An-Entity-Instance-By-Id", "Read-Entity-Instances" and "Check-Entity-Instance-Permissions" by annotating the LOB system interface descriptions, with the annotations described by data structures, such as **MethodInstance**, **Identifier**, **FilterDescriptor**, and **Association**. These data structures, collectively called **MetadataObjects**, can be grouped into related collections called **MetadataModels** that describe a single LOB system. After a store of MetadataModels is made available, a runtime engine can use the store to convert a stereotypical normalized operation requested by an application that uses the protocol client into a LOB system-specific invocation.

This protocol enables a client to create, read, update, and delete MetadataObjects in a **metadata store**. For operations that create or modify MetadataObjects, the protocol server provides validation and diagnostic errors, so that protocol clients can maintain the set of stored MetadataObjects in a state that satisfies certain semantic constraints for MetadataModels.

### 1.4 Relationship to Other Protocols

This protocol uses the **SOAP** message protocol for formatting request and response messages, as described in [\[SOAP1.1\]](#). It transmits those messages by using **HTTP**, as described in [\[RFC2616\]](#).

The following diagram shows the underlying messaging and transport stack used by the protocol:



**Figure 1: This protocol in relation to other protocols**

## 1.5 Prerequisites/Preconditions

This protocol operates against a protocol server that exposes one or more **endpoint (4) URIs** that are known by protocol clients. The endpoint (4) URI of the protocol server and the transport that is used by the protocol server are known by the protocol client.

This protocol assumes that authentication has been performed by the underlying protocols.

## 1.6 Applicability Statement

This protocol is intended for use by protocol clients and protocol servers that are both connected by high-bandwidth, low-latency network connections.

## 1.7 Versioning and Capability Negotiation

This document covers versioning issues in the following areas:

- **Supported Transports:** This protocol can be implemented by using transports that support sending SOAP (Simple Object Access Protocol) messages, as specified in section [2.1](#).
- **Protocol Versions:** This protocol is not versioned.

**Capability Negotiation:** This protocol does not support version negotiation.

## 1.8 Vendor-Extensible Fields

None.

## 1.9 Standards Assignments

None.

## 2 Messages

In the following sections, the schema definition might differ from the processing rules imposed by the protocol. The **WSDL** in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL might specify differences that reflect actual Microsoft product behavior. For example, the schema definition might allow for an element to be **empty**, **null**, or **not present** but the behavior of the protocol as specified restricts the same elements to being **non-empty**, **present**, and **not null**.

### 2.1 Transport

Protocol servers **MUST** support SOAP over HTTP. Protocol servers **SHOULD** additionally support SOAP over HTTPS to secure communication with protocol clients.

Protocol messages **MUST** be formatted as specified in [\[SOAP1.1\]](#), section 4. Protocol server faults **MUST** be returned using HTTP Status Codes as specified in [\[RFC2616\]](#), section 10, or using **SOAP faults** as specified in [\[SOAP1.1\]](#), section 4.4.

### 2.2 Common Message Syntax

This section contains common definitions that are used by this protocol. The syntax of the definitions uses XML Schema, as specified in [\[XMLSCHEMA1\]](#) and [\[XMLSCHEMA2\]](#), and WSDL, as specified in [\[WSDL\]](#).

#### 2.2.1 Namespaces

This specification defines and references various XML namespaces using the mechanisms specified in [\[XMLNS\]](#). Although this specification associates a specific **XML namespace prefix** for each XML namespace that is used, the choice of any particular XML namespace prefix is implementation-specific and not significant for interoperability.

Prefix	Namespace URI	Reference
(none)	<a href="http://www.microsoft.com/Office/2009/BusinessDataCatalog">http://www.microsoft.com/Office/2009/BusinessDataCatalog</a>	
q<#>	(q1-q679 are defined inline in the schema, and do not have consistent global meanings. The corresponding namespace is determined from the context.)	
ser	<a href="http://schemas.microsoft.com/2003/10/Serialization/">http://schemas.microsoft.com/2003/10/Serialization/</a>	
soap	<a href="http://schemas.xmlsoap.org/wsdl/soap/">http://schemas.xmlsoap.org/wsdl/soap/</a>	<a href="#">[SOAP1.1]</a>
tns	(tns is defined inline in the schema, and does not have consistent global meanings. The corresponding namespace is determined from the context.)	
wsam	<a href="http://www.w3.org/2007/05/addressing/metadata">http://www.w3.org/2007/05/addressing/metadata</a>	<a href="#">[WSA1.0 Metadata]</a>
wsdl	<a href="http://schemas.xmlsoap.org/wsdl">http://schemas.xmlsoap.org/wsdl</a>	<a href="#">[WSDL]</a>
xs	<a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>	<a href="#">[XMLSCHEMA1]</a> <a href="#">[XMLSCHEMA2]</a>

#### 2.2.2 Messages

None.

## 2.2.3 Elements

This specification does not define any common XML Schema element definitions.

## 2.2.4 Complex Types

The following sections specify the set of common XML Schema complex type definitions defined by this specification. XML Schema complex type definitions that are specific to a particular operation are described with the operation.

The definitions of some complex types in this section make use of ABNF representation as specified in [\[RFC5234\]](#).

Complex types designated as error complex types and returned as responses by the protocol server MUST be formatted as SOAP Faults, as specified in [SOAP1.1], section 4.4.

**Code:** MUST contain a Value subelement, which MUST be set to Sender. MAY contain a Subcode subelement.

**Reason:** MUST contain a Text sub-element, which MUST be ignored by the client.

**Detail:** MUST either contain the error complex type or empty

The following table summarizes the set of common XML Schema complex type definitions defined by this specification. XML Schema complex type definitions that are specific to a particular operation are described with the operation.

Complex Type	Description
AccessControlEntryStruct	The <b>AccessControlEntryStruct</b> complex type contains information about an <b>access control entry (ACE)</b> .
AccessDeniedException	The <b>AccessDeniedException</b> complex type is an error complex type that contains information about a protocol-server-side error because of a violation of access control on the metadata store. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
AccessDeniedExceptionState	The <b>AccessDeniedExceptionState</b> complex type is an error complex type that contains information about a protocol-server-side error because of a violation of access control on the metadata store. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
ActionParameterStruct	The <b>ActionParameterStruct</b> complex type contains information about an <b>ActionParameter</b> .
ActionStruct	The <b>ActionStruct</b> complex type contains information about an <b>Action</b> .
AdministrationMetadataCatalogStruct	The <b>AdministrationMetadataCatalogStruct</b> contains information about a <b>MetadataCatalog</b> .
ArgumentException	The <b>ArgumentException</b> complex type is an error complex type that contains information about a protocol-server-side error that occurred because of an argument with an invalid value. The complex type MUST only be

Complex Type	Description
	included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
ArgumentNullException	The <b>ArgumentNullException</b> complex type is an error complex type that contains information about a protocol-server-side error because of a NULL value in an argument which does not accept NULL values. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
ArgumentOutOfRangeException	The <b>ArgumentOutOfRangeException</b> complex type is an error complex type that contains information about a protocol-server-side error because of an argument with a value outside the range of permissible values. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
ArrayOfAccessControlEntryStruct	The <b>ArrayOfAccessControlEntryStruct</b> complex type is a list of complex types, each of which represents an access control entry (ACE).
ArrayOfAssociationStruct	The <b>ArrayOfAssociationStruct</b> complex type is a list of complex types, each of which represents an Association.
ArrayOfEntityStruct	The <b>ArrayOfEntityStruct</b> complex type is a list of complex types, each of which represents an Entity.
ArrayOfLobSystemStruct	The <b>ArrayOfLobSystemStruct</b> complex type is a list of complex types, each of which represents a LobSystem.
ArrayOfLocalizedNameStruct	The <b>ArrayOfLocalizedNameStruct</b> complex type is a list of complex types, each of which represents a <b>localized name</b> .
ArrayOfMethodInstanceStruct	The <b>ArrayOfMethodInstanceStruct</b> complex type is a list of complex types, each of which represents a MethodInstances.
ArrayOfModelStruct	The <b>ArrayOfModelStruct</b> complex type is a list of complex types, each of which represents a <b>Model</b> .
ArrayOfPropertyStruct	The <b>ArrayOfPropertyStruct</b> complex type is a list of complex types, each of which represents a property.
ArrayOfstring	The <b>ArrayOfString</b> complex type represents a list of xs:string as specified in <a href="#">[XMLSCHEMA2]</a> .
ArrayOfTypeDescriptorStruct	The <b>ArrayOfTypeDescriptorStruct</b> complex type is a list of complex types, each of which represents a TypeDescriptor.
ArrayOfunsignedInt	The ArrayOfunsignedInt complex type represents a list of xs:unsignedInt elements as specified in <a href="#">[XMLSCHEMA2]</a> .
AssociationGroupStruct	The <b>AssociationGroupStruct</b> complex type contains information about an <b>AssociationGroup</b> . Each Association referenced by the <b>AssociationReferences</b> contained by the AssociationGroup is identified by the values in the same index of the lists <b>associationEntityNames</b> , <b>associationEntityNamespaces</b> , <b>associationNames</b> and

Complex Type	Description
	<b>associationIds.</b>
AssociationReferenceStruct	The <b>AssociationReferenceStruct</b> complex type contains information about an AssociationReference.
AssociationStruct	The <b>AssociationStruct</b> complex type MUST contain information about an Association. A namespace at any index of the <b>sourceEntityNamespaces</b> element of this complex type MUST be the namespace of the Entity which the name at the same index of the <b>sourceEntityNames</b> element belongs to.
BdcException	The <b>BdcException</b> complex type is an error complex type that contains information about a protocol-server-side error encountered during implementation-specific operations or caused by a violation of constraints on the metadata store. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
BdcExceptionState	The <b>BdcExceptionState</b> complex type is an error complex type that contains information about a protocol-server-side error encountered during implementation-specific operations or caused by a violation of constraints on the metadata store. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
ComplexValueStruct	The <b>ComplexValueStruct</b> complex type MUST contain information about data types.
ConcurrentModificationExceptionState	The <b>ConcurrentModificationExceptionState</b> complex type is an error complex type that contains information about a protocol-server-side error because of a concurrent modification of a MetadataObject. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
DataClassStruct	The <b>DataClassStruct</b> complex type MUST contain information about a <b>DataClass</b> .
DefaultValueStruct	The <b>DefaultValueStruct</b> complex type contains details of a <b>DefaultValue</b> of a TypeDescriptor.
DuplicateMetadataObjectExceptionState	The <b>DuplicateMetadataObjectExceptionState</b> complex type is an error complex type that contains information about a protocol-server-side error from a duplication of a MetadataObject. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
EntityStruct	The <b>EntityStruct</b> complex type contains information about an Entity.
ExceededMetadataObjectLimitExceptionState	The <b>ExceededMetadataObjectLimitExceptionState</b> complex type is an error complex type that contains information about a protocol-server-side error because of a MetadataObject exceeding an implementation-specific limit to the number of MetadataObjects it can contain or

Complex Type	Description
	refer to. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
Exception	The <b>Exception</b> complex type is an error complex type that contains information about a protocol-server-side error. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
FilterDescriptorStruct	The <b>FilterDescriptorStruct</b> complex type contains information about a FilterDescriptor.
IdentifierStruct	The <b>IdentifierStruct</b> complex type contains information about an Identifier.
InvalidMetadataObjectExceptionState	The <b>InvalidMetadataObjectExceptionState</b> complex type is an error complex type that contains information about a protocol-server-side error because a MetadataObject contained invalid attributes. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
InvalidMetadataPropertyExceptionState	The <b>InvalidMetadataPropertyExceptionState</b> complex type is an error complex type that contains information about a protocol-server-side error because an invalid property was detected in the set of properties of a MetadataObject. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
InvalidOperationException	The <b>InvalidOperationException</b> complex type is an error complex type that contains information about a protocol-server-side error because of an attempt to perform an operation that is invalid for the current state of the protocol server. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
LobSystemInstanceStruct	The LobSystemInstanceStruct complex type contains information about a LobSystemInstance.
LobSystemStruct	The <b>LobSystemStruct</b> complex type contains information about a LobSystem.
LocalizedNameStruct	The <b>LocalizedNameStruct</b> complex type contains information about a localized name.
MetadataException	The <b>MetadataException</b> complex type is an error complex type that contains information about a protocol-server-side error because of a syntactic or semantic violation of a MetadataModel constraint in the metadata store. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
MetadataObjectNotFoundExceptionState	The <b>MetadataObjectNotFoundExceptionState</b> complex type is an error complex type that contains information about a protocol-server-side error because a requested MetadataObject was not found. The complex type MUST



Complex Type	Description
	only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
MetadataObjectStruct	This structure contains the attributes of the MetadataObject.
MethodInstanceStruct	The <b>MethodInstanceStruct</b> complex type contains information about a MethodInstance.
MethodStruct	The <b>MethodStruct</b> complex type contains information about a Method.
ModelStruct	The <b>ModelStruct</b> complex type contains information about a Model.
PackageFormatExceptionState	The <b>PackageFormatExceptionState</b> complex type is an error complex type that contains information about a protocol-server-side error because a specified XML does not conform to <a href="#">[MS-BDCMFFS]</a> or the MetadataModel contained within the specified XML conforming to <a href="#">[MS-BDCMFFS]</a> having invalid configuration of MetadataObjects or their attributes. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> )
ParameterStruct	This structure contains the information about a Parameter.
PropertyStruct	The <b>PropertyStruct</b> complex type contains information about a property.
ProxyGenerationResult	The <b>ProxyGenerationResult</b> complex type contains information about <b>Business Logic Modules</b> <a href="#">&lt;1&gt;</a> .
SystemException	The <b>SystemException</b> complex type is an error complex type that contains information about a protocol-server-side error. The complex type MUST only be included as part of a SOAP fault as specified in <b>Complex Types</b> (section <a href="#">2.2.4</a> ).
TypeDescriptorStruct	The <b>TypeDescriptorStruct</b> complex type contains information about a TypeDescriptor.
Version	The <b>Version</b> complex type MUST contain information about the version of a DataClass.

#### 2.2.4.1 AccessControlEntryStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **AccessControlEntryStruct** complex type contains information about an access control entry (ACE).

```
<xs:complexType name="AccessControlEntryStruct">
  <xs:sequence>
    <xs:element minOccurs="0" name="principalBinaryForm" nillable="true"
type="xs:base64Binary"/>
    <xs:element minOccurs="0" name="principalDisplayName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="principalName" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

```

        <xs:element minOccurs="0" name="rights" type="xs:unsignedLong"/>
    </xs:sequence>
</xs:complexType>

```

**principalBinaryForm:** MUST be ignored by the protocol server. MUST be ignored by the protocol client.

**principalDisplayName:** MUST be ignored by the protocol server. MUST be ignored by the protocol client.

**principalName:** The name of a security principal. This element MUST be present. The value of this element MUST be as specified for **Principal** element in [\[MS-BDCMFFS\]](#) section 2.1.4.43.

**rights:** The permissions available to a **security principal** to perform operations on or by using a MetadataObject. This element MUST be present. The value of this element MUST be sum of values of the corresponding rights in the **BdcRights** (section [3.1.4.88.4.1](#)) enumeration type.

## 2.2.4.2 AccessDeniedException

**Namespace:** <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure>

The **AccessDeniedException** complex type is an error complex type that contains information about a protocol-server-side error because of a violation of access control on the metadata store. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```

<xs:complexType name="AccessDeniedException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BdcException"/>
  </xs:complexContent>
</xs:complexType>

```

## 2.2.4.3 AccessDeniedExceptionState

**Namespace:** <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure>

The **AccessDeniedExceptionState** complex type is an error complex type that contains information about a protocol-server-side error because of a violation of access control on the metadata store. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```

<xs:complexType name="AccessDeniedExceptionState">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BdcExceptionState">
      <xs:sequence>
        <xs:element minOccurs="0" name="CurrentIdentity" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="SecurableObjectName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="SecurableObjectTypeName" nillable="true"
type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

**CurrentIdentity:** The security principal in whose context the protocol client is operating when the violation of access control occurs. This element **MUST** be present.

**SecurableObjectName:** The name of the MetadataObject on which the access control violation occurs. This element **MUST** be present.

**SecurableObjectTypeName:** The type of MetadataObject on which the access control violation occurs. This element **MUST** be present.

#### 2.2.4.4 ActionParameterStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ActionParameterStruct** complex type contains information about an ActionParameter.

```
<xs:complexType name="ActionParameterStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="actionId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="index" type="xs:unsignedByte"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**actionId:** The **MetadataObjectId** of the Action that contains this ActionParameter. This element **MUST** be present. The value of this element **MUST** be in [1, 0x7fffffff] range.

**index:** The index of the ActionParameter. This index corresponds to the parameter in the command of the Action that contains this ActionParameter. The index values of ActionParameters that are contained by the same Action **MUST** be greater than or equal to 0, and less than the number of ActionParameters that are contained by the Action. The index values of ActionParameters **MUST** be unique across all ActionParameters that are contained by the same Action. [<2>](#)

#### 2.2.4.5 ActionStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ActionStruct** complex type contains information about an Action.

```
<xs:complexType name="ActionStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="imageUrl" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="isOpenedInNewWindow" type="xs:boolean"/>
        <xs:element minOccurs="0" name="position" type="xs:unsignedByte"/>
        <xs:element minOccurs="0" name="url" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**entityId:** The MetadataObjectId of the Entity that contains the Action. This element MUST be present. The value of this element MUST be in [1, 0x7fffffff] range.

**imageUrl:** The implementation-specific location of the resource that is used to represent the Action in the user interface. The application that utilizes the protocol client can use the resource in the specified location to represent the Action in the user interface possibly along with the localized name of the Action. This element MUST be present.

**isOpenedInNewWindow:** A value which specifies whether the results of executing an Action are presented in a new user interface context. The application that utilizes the protocol client can use this value as guidance on creating new user interface context when the Action is executed. This element MUST be present.

**position:** The order of an Action among the other Actions for an Entity. The application that utilizes the protocol client can use this ordering as guidance in an implementation-specific algorithm that represents the Actions in the user interface. This element MUST be present.

**url:** The implementation-specific parameterized command associated with the Action. The parameters of the command MUST correspond to ActionParameters of this Action. This element MUST be present.

#### 2.2.4.6 AdministrationMetadataCatalogStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **AdministrationMetadataCatalogStruct** contains information about a MetadataCatalog.

```
<xs:complexType name="AdministrationMetadataCatalogStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

#### 2.2.4.7 ArgumentException

**Namespace:** http://schemas.datacontract.org/2004/07/System

The **ArgumentException** complex type is an error complex type that contains information about a protocol-server-side error that occurred because of an argument with an invalid value. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```
<xs:complexType name="ArgumentException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:SystemException"/>
  </xs:complexContent>
</xs:complexType>
```

#### 2.2.4.8 ArgumentNullException

**Namespace:** http://schemas.datacontract.org/2004/07/System

The **ArgumentNullException** complex type is an error complex type that contains information about a protocol-server-side error because of a NULL value in an argument which does not accept NULL values. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```
<xs:complexType name="ArgumentNullException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:ArgumentException"/>
  </xs:complexContent>
</xs:complexType>
```

#### 2.2.4.9 ArgumentOutOfRangeException

**Namespace:** <http://schemas.datacontract.org/2004/07/System>

The **ArgumentOutOfRangeException** complex type is an error complex type that contains information about a protocol-server-side error because of an argument with a value outside the range of permissible values. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```
<xs:complexType name="ArgumentOutOfRangeException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:ArgumentException"/>
  </xs:complexContent>
</xs:complexType>
```

#### 2.2.4.10 ArrayOfAccessControlEntryStruct

**Namespace:** [Microsoft.SharePoint.BusinessData](#)

The **ArrayOfAccessControlEntryStruct** complex type is a list of complex types, each of which represents an access control entry (ACE).

```
<xs:complexType name="ArrayOfAccessControlEntryStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="AccessControlEntryStruct"
      nillable="true" type="tns:AccessControlEntryStruct"/>
  </xs:sequence>
</xs:complexType>
```

**AccessControlEntryStruct:** A complex type that represents an access control entry (ACE).

#### 2.2.4.11 ArrayOfAssociationStruct

**Namespace:** [Microsoft.SharePoint.BusinessData](#)

The **ArrayOfAssociationStruct** complex type is a list of complex types, each of which represents an Association.

```
<xs:complexType name="ArrayOfAssociationStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationStruct" nillable="true"
      type="tns:AssociationStruct"/>
  </xs:sequence>
</xs:complexType>
```

```

    </xs:sequence>
  </xs:complexType>

```

**AssociationStruct:** A complex type that represents an Association.

#### 2.2.4.12 ArrayOfEntityStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfEntityStruct** complex type is a list of complex types, each of which represents an Entity.

```

<xs:complexType name="ArrayOfEntityStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="EntityStruct" nillable="true"
      type="tns:EntityStruct"/>
  </xs:sequence>
</xs:complexType>

```

**EntityStruct:** A complex type that represents an Entity.

#### 2.2.4.13 ArrayOfLobSystemStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfLobSystemStruct** complex type is a list of complex types, each of which represents a LobSystem.

```

<xs:complexType name="ArrayOfLobSystemStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="LobSystemStruct" nillable="true"
      type="tns:LobSystemStruct"/>
  </xs:sequence>
</xs:complexType>

```

**LobSystemStruct:** A complex type that represents a LobSystem.

#### 2.2.4.14 ArrayOfLocalizedNameStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfLocalizedNameStruct** complex type is a list of complex types, each of which represents a localized name.

```

<xs:complexType name="ArrayOfLocalizedNameStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="LocalizedNameStruct"
      nillable="true" type="tns:LocalizedNameStruct"/>
  </xs:sequence>
</xs:complexType>

```

**LocalizedNameStruct:** A complex type that represents a localized name.

#### 2.2.4.15 ArrayOfMethodInstanceStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfMethodInstanceStruct** complex type is a list of complex types, each of which represents a MethodInstances.

```
<xs:complexType name="ArrayOfMethodInstanceStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="MethodInstanceStruct"
      nillable="true" type="tns:MethodInstanceStruct"/>
  </xs:sequence>
</xs:complexType>
```

**MethodInstanceStruct:** A complex type that represents a MethodInstance.

#### 2.2.4.16 ArrayOfModelStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfModelStruct** complex type is a list of complex types, each of which represents a Model.

```
<xs:complexType name="ArrayOfModelStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ModelStruct" nillable="true"
      type="tns:ModelStruct"/>
  </xs:sequence>
</xs:complexType>
```

**ModelStruct:** A complex type that represents a Model.

#### 2.2.4.17 ArrayOfPropertyStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfPropertyStruct** complex type is a list of complex types, each of which represents a property.

```
<xs:complexType name="ArrayOfPropertyStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="PropertyStruct" nillable="true"
      type="tns:PropertyStruct"/>
  </xs:sequence>
</xs:complexType>
```

**PropertyStruct:** A complex type that represents a Property.

#### 2.2.4.18 ArrayOfString

**Namespace:** http://schemas.microsoft.com/2003/10/Serialization/Arrays

The **ArrayOfString** complex type represents a list of xs:string as specified in [\[XMLSCHEMA2\]](#).

```
<xs:complexType name="ArrayOfstring">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**string:** An element in the list.

#### 2.2.4.19 ArrayOfPropertyDescriptorStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfPropertyDescriptorStruct** complex type is a list of complex types, each of which represents a **TypeDescriptor**.

```
<xs:complexType name="ArrayOfPropertyDescriptorStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="TypeDescriptorStruct"
nillable="true" type="tns:TypeDescriptorStruct"/>
  </xs:sequence>
</xs:complexType>
```

**TypeDescriptorStruct:** A complex type that represents a **TypeDescriptor**.

#### 2.2.4.20 ArrayOfunsignedInt

**Namespace:** http://schemas.microsoft.com/2003/10/Serialization/Arrays

The **ArrayOfunsignedInt** complex type represents a list of **xs:unsignedInt** elements as specified in [\[XMLSCHEMA2\]](#).

```
<xs:complexType name="ArrayOfunsignedInt">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="unsignedInt"
type="xs:unsignedInt"/>
  </xs:sequence>
</xs:complexType>
```

**unsignedInt:** An element in the list.

#### 2.2.4.21 AssociationGroupStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **AssociationGroupStruct** complex type contains information about an **AssociationGroup**. Each **Association** referenced by the **AssociationReferences** contained by the **AssociationGroup** is identified by the values in the same index of the lists **associationEntityNames**, **associationEntityNamespaces**, **associationNames** and **associationIds**.

```
<xs:complexType name="AssociationGroupStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
```



```

        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="associationEntityNames" nillable="true" type="q7:ArrayOfstring"/>
        <xs:element xmlns:q8="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="associationEntityNamespaces" nillable="true" type="q8:ArrayOfstring"/>
        <xs:element xmlns:q9="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="associationIds" nillable="true" type="q9:ArrayOfunsignedInt"/>
        <xs:element xmlns:q10="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="associationNames" nillable="true" type="q10:ArrayOfstring"/>
        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
    </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

**associationEntityNames:** A list containing the names of Entities that contain the Associations referenced by the AssociationReferences contained by the AssociationGroup. This element MUST be present. If the corresponding Entity is not active the value in this list MUST have at least 1, at most 255 **Unicode** characters. Otherwise, the value MUST be NULL.

**associationEntityNamespaces:** A list containing the namespaces of Entities that contain the Associations belonging to the AssociationGroup. This element MUST be present. If the corresponding Entity is not active the value this list MUST have at least 1, at most 255 Unicode characters. Otherwise, the value MUST be NULL.

**associationIds:** A list containing the MetadataObjectIds of the Associations referenced by the AssociationReferences contained by the AssociationGroup. This element MUST be present. If the Entity containing the corresponding Association is active the value in this list MUST be in [1, 0x7fffffff] range. Otherwise, the value MUST be 0.

**associationNames:** A list of the names of Associations referenced by the AssociationReferences contained by the AssociationGroup. This element MUST be present. If the Entity containing the corresponding Association is not active, the value in this list MUST have at least 1, at most 255 Unicode characters. Otherwise, the value MUST be NULL.

**entityId:** The MetadataObjectId of the Entity that contains the AssociationGroup. This element MUST be present. The value of this element MUST be in [1, 0x7fffffff] range.

## 2.2.4.22 AssociationReferenceStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **AssociationReferenceStruct** complex type contains information about an AssociationReference.

```

<xs:complexType name="AssociationReferenceStruct">
    <xs:sequence>
        <xs:element minOccurs="0" name="_associationName" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="_entityName" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="_entityNamespace" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="associationGroupId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="associationGroupObjectVersion" type="xs:int"/>
        <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="id" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="isReverse" type="xs:boolean"/>
        <xs:element minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>

```

</xs:complexType>

**\_associationName:** The name of the Association referenced by the AssociationReference. This element MUST be present. The name MUST have at least 1, at most 255 Unicode characters.

**\_entityName:** The name of the Entity containing the Association referenced by the AssociationReference. This element MUST be present. The name MUST have at least 1, at most 255 Unicode characters.

**\_entityNamespace:** The namespace of the Entity containing the Association reference by the AssociationReference. This element MUST be present. The namespace MUST have at least 1, at most 255 Unicode characters.

**associationGroupId:** The MetadataObjectId of the AssociationGroup which contains the AssociationReference. This element MUST be present. The value of this element MUST be in [1, 0x7fffffff] range.

**associationGroupObjectVersion:** The object version of the AssociationGroup. This element MUST be present.

**associationId:** The MetadataObjectId of the Association referenced by the AssociationReference. This element MUST be present. The value of this element MUST be in [1, 0x7fffffff] range.

**id:** The implementation-specific identifier of the AssociationReference. This element MUST be present.

**isReverse:** A value that specifies whether the source of the referenced Association is the destination of the containing AssociationGroup and the destination of the referenced Association is the source of the containing AssociationGroup. This element MUST be present. The following table describes possible values.

Value	Description
False	The sources of the referenced Association are the sources of the containing AssociationGroup and the destination of the referenced Association is the destination of the containing AssociationGroup.
True	The source of the referenced Association is the destination of the containing AssociationGroup and destination of the referenced Association is the source of the containing AssociationGroup. The referenced Association MUST have only one source.

**partitionId:** The **empty GUID**.<3>

## 2.2.4.23 AssociationStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **AssociationStruct** complex type MUST contain information about an Association. A namespace at any index of the **sourceEntityNamespaces** element of this complex type MUST be the namespace of the Entity which the name at the same index of the **sourceEntityNames** element belongs to.

```
<xs:complexType name="AssociationStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MethodInstanceStruct">
```

```

<xs:sequence>
  <xs:element minOccurs="0" name="associationGroupId" type="xs:unsignedInt"/>
  <xs:element minOccurs="0" name="destinationEntityName" nillable="true"
type="xs:string"/>
  <xs:element minOccurs="0" name="destinationEntityNamespace" nillable="true"
type="xs:string"/>
  <xs:element xmlns:q12="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="sourceEntityNames" nillable="true" type="q12:ArrayOfstring"/>
  <xs:element xmlns:q13="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="sourceEntityNamespaces" nillable="true" type="q13:ArrayOfstring"/>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

**associationGroupId:** The MetadataObjectId of the AssociationGroup which the Association is referenced by. If the Association is referenced by an AssociationGroup, the value of this element MUST be the MetadataObjectId of the referencing AssociationGroup. Otherwise the value of this element MUST be 0. The value of this element MUST be in [0, 0x7fffffff] range. This element MUST be present.

**destinationEntityName:** The name of the Association destination of the Association. This element MUST be present. The value of this element MUST have at least 1, at most 255 Unicode characters.

**destinationEntityNamespace:** The namespace of the Association destination of the Association. This element MUST be present. The value of this element MUST have at least 1, at most 255 Unicode characters.

**sourceEntityNames:** The list of names of the Association sources of the Association. This element MUST be present. This list MUST contain at least one child element. Each name in this list of Association source names MUST have at least 1, at most 255 Unicode characters.

**sourceEntityNamespaces:** The list of namespaces of the Association sources of the Association. This element MUST be present. This list MUST contain at least one child element. Each namespace in this list of Association source namespaces MUST have at least 1, at most 255 Unicode characters.

#### 2.2.4.24 BdcException

**Namespace:** <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure>

The **BdcException** complex type is an error complex type that contains information about a protocol-server-side error encountered during implementation-specific operations or caused by a violation of constraints on the metadata store. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```

<xs:complexType name="BdcException">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:q1="http://schemas.datacontract.org/2004/07/System"
base="q1:Exception"/>
  </xs:complexContent>
</xs:complexType>

```

#### 2.2.4.25 BdcExceptionState

**Namespace:** <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure>

The **BdcExceptionState** complex type is an error complex type that contains information about a protocol-server-side error encountered during implementation-specific operations or caused by a violation of constraints on the metadata store. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```
<xs:complexType name="BdcExceptionState">
  <xs:sequence>
    <xs:element minOccurs="0" name="InnerExceptionToStringed" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="InnerExceptionTypeFullName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="Message" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="ServerStackTrace" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**InnerExceptionToStringed:** The specific cause of the operation failure.

**InnerExceptionTypeFullName:** A name for the kind of violation that caused this fault. The client MUST ignore this value.

**Message:** A description of the violation.

**ServerStackTrace:** An implementation-specific representation of the location on the protocol server where the violation is detected.

#### 2.2.4.26 ComplexValueStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ComplexValueStruct** complex type MUST contain information about data types.

```
<xs:complexType name="ComplexValueStruct">
  <xs:sequence>
    <xs:element minOccurs="0" name="needsTypeReflectionResolution" type="xs:boolean"/>
    <xs:element minOccurs="0" name="wcfMarshallableValue" nillable="true" type="xs:anyType"/>
    <xs:element minOccurs="0" name="wcfMarshallableValueAssemblyQualifiedTypeName"
nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="wcfMarshallableValueTypeName" nillable="true"
type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**needsTypeReflectionResolution:** Carries protocol client implementation-specific semantics. The value MUST NOT carry any semantic significance for the protocol server.

**wcfMarshallableValue:** Carries protocol client implementation-specific semantics. The value MUST NOT carry any semantic significance for the protocol server.

**wcfMarshallableValueAssemblyQualifiedTypeName:** Carries protocol client implementation-specific semantics. The value MUST NOT carry any semantic significance for the protocol server.

**wcfMarshallableValueTypeName:** Carries protocol client implementation-specific semantics. The value MUST NOT carry any semantic significance for the protocol server.

#### 2.2.4.27 ConcurrentModificationExceptionState

**Namespace:** Microsoft.SharePoint.BusinessData

The **ConcurrentModificationExceptionState** complex type is an error complex type that contains information about a protocol-server-side error because of a concurrent modification of a **MetadataObject**. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```
<xs:complexType name="ConcurrentModificationExceptionState">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:q5="Microsoft.SharePoint.BusinessData.SharePoint" base="q5:MetadataException">
      <xs:sequence>
        <xs:element minOccurs="0" name="MetadataObjectId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**MetadataObjectId:** The MetadataObjectId of the MetadataObject that was concurrently modified.

#### 2.2.4.28 DataClassStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **DataClassStruct** complex type MUST contain information about a DataClass.

```
<xs:complexType name="DataClassStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="active" type="xs:boolean"/>
        <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="modelId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="namespace" nillable="true" type="xs:string"/>
        <xs:element xmlns:q15="http://schemas.datacontract.org/2004/07/System" minOccurs="0"
name="version" nillable="true" type="q15:Version"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**active:** A bit which specifies whether the DataClass is active.

**lobSystemId:** The MetadataObjectId of the LobSystem which contains this DataClass.

**modelId:** This value MUST be ignored by the protocol client. This value MUST be ignored by the protocol server.

**namespace:** The namespace of the DataClass.

**version:** The version of the DataClass.

#### 2.2.4.29 DefaultValueStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **DefaultValueStruct** complex type contains details of a DefaultValue of a TypeDescriptor.

```
<xs:complexType name="DefaultValueStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:ComplexValueStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="methodInstanceId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="methodName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="typeDescriptorId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**methodInstanceId:** MetadataObjectId of the MethodInstance with which the DefaultValue is associated. This element MUST be present and the value of this element MUST NOT be NULL.

**methodName:** The name of the MethodInstance with the specified MetadataObjectId. This element MUST be present. The value of this element MUST have at least 1, at most 255 Unicode characters.

**typeDescriptorId:** The MetadataObjectId of the TypeDescriptor with which the default value is associated. This element MUST be present and the value of this element MUST NOT be NULL.

#### 2.2.4.30 DuplicateMetadataObjectExceptionState

**Namespace:** Microsoft.SharePoint.BusinessData

The **DuplicateMetadataObjectExceptionState** complex type is an error complex type that contains information about a protocol-server-side error from a duplication of a MetadataObject. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```
<xs:complexType name="DuplicateMetadataObjectExceptionState">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:q2="Microsoft.BusinessData.SharePoint" base="q2:MetadataException">
      <xs:sequence>
        <xs:element minOccurs="0" name="DuplicateFieldName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="DuplicateMetadataObjectName" nillable="true"
type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**DuplicateFieldName:** The name of the attribute of the MetadataObject that was supposed to be unique but was duplicated.

**DuplicateMetadataObjectName:** The name of the duplicate MetadataObject.

#### 2.2.4.31 EntityStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **EntityStruct** complex type contains information about an Entity.

```
<xs:complexType name="EntityStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:DataClassStruct">
      <xs:sequence>
        <xs:element
          xmlns:q16="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
          minOccurs="0" name="cacheUsage" type="q16:CacheUsage"/>
        <xs:element minOccurs="0" name="description" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="estimatedInstanceCount" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**cacheUsage:** The **CacheUsage** (section [2.2.5.1](#)) of the Entity.

**description:** The description of the Entity. This element **MUST** be present.

**estimatedInstanceCount:** The estimated maximum number of instances of the Entity. The value of this element **MUST** be in [0, 0x7fffffff] range. This element **MUST** be present.

#### 2.2.4.32 ExceededMetadataObjectLimitExceptionState

**Namespace:** Microsoft.SharePoint.BusinessData

The **ExceededMetadataObjectLimitExceptionState** complex type is an error complex type that contains information about a protocol-server-side error because of a MetadataObject exceeding an implementation-specific limit to the number of MetadataObjects it can contain or refer to. The complex type **MUST** only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```
<xs:complexType name="ExceededMetadataObjectLimitExceptionState">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:q1="Microsoft.BusinessData.SharePoint" base="q1:MetadataException">
      <xs:sequence>
        <xs:element minOccurs="0" name="Limit" type="xs:int"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**Limit:** The numerical limit that is exceeded.

#### 2.2.4.33 Exception

**Namespace:** http://schemas.datacontract.org/2004/07/System

The **Exception** complex type is an error complex type that contains information about a protocol-server-side error. The complex type **MUST** only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```
<xs:complexType name="Exception">
  <xs:sequence>
```

```

        <xs:any minOccurs="0" maxOccurs="unbounded" namespace="##local" processContents="skip"/>
    </xs:sequence>
    <xs:attribute ref="ser:FactoryType"/>
</xs:complexType>

```

**ser:FactoryType:**

## 2.2.4.34 FilterDescriptorStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **FilterDescriptorStruct** complex type contains information about a FilterDescriptor.

```

<xs:complexType name="FilterDescriptorStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="filterField" nillable="true" type="xs:string"/>
        <xs:element
          xmlns:q11="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
          minOccurs="0" name="filterType" type="q11:FilterType"/>
        <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

**filterField:** The **field (4)** affected by the FilterDescriptor. The value MUST be a path as specified in [\[MS-BDCMFFS\]](#) section 2.1.5.5.

**filterType:** The [FilterType \(from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel\)](#) of a FilterDescriptor.

**methodId:** The MetadataObjectId of the Method that contains the FilterDescriptor.

## 2.2.4.35 IdentifierStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **IdentifierStruct** complex type contains information about an Identifier.

```

<xs:complexType name="IdentifierStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="ordinalNumber" type="xs:unsignedByte"/>
        <xs:element minOccurs="0" name="typeName" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

**entityId:** The MetadataObjectId of the Entity that contains the Identifier.



**ordinalNumber:** The sequence number for the Identifier among all Identifiers of an Entity.

**typeName:** The data type of the value corresponding to the Identifier. The value MUST be in the following table.

Value	Description
System.String	A string of Unicode text.
System.Int16	A number ranging from negative 32768 to positive 32767.
System.Int32	A number ranging from negative 2,147,483,648 to positive 2,147,483,647.
System.Int64	A number ranging from negative 9,223,372,036,854,775,808 to positive 9,223,372,036,854,775,807.
System.UInt16	A number ranging from 0 to 65535.
System.UInt32	A number ranging from 0 to 4,294,967,295.
System.UInt64	A number ranging from 0 to 18,446,744,073,709,551,615.
System.DateTime	A date and time ranging from 12:00:00 midnight, January 1, 1 Anno Domini (Common Era) to 11:59:59 P.M., December 31, 9999 Anno Domini (Common Era), in resolution of 100 nanoseconds.
System.TimeSpan	A duration ranging from negative 10675199 days 2 hours 48 minutes 5 seconds 477 milliseconds 580 microseconds 800 nanoseconds to positive 10675199 days 2 hours 48 minutes 5 seconds 477 milliseconds 580 microseconds 700 nanoseconds, in resolution of 100 nanoseconds.
System.Single	A single precision number ranging from negative 3.402823e38 to 3.402823e38.
System.Double	A double precision number ranging from negative 1.79769313486232e308 to positive 1.79769313486232e308 as well as positive zero, negative zero, positive infinity, negative infinity and NaN.
System.Decimal	A number ranging from negative 79,228,162,514,264,337,593,543,950,335 to positive 79,228,162,514,264,337,593,543,950,335.
System.Char	A Unicode character.
System.Byte	A number ranging from 0 to 255.
System.SByte	A number ranging from negative 128 to positive 127.
System.Guid	A <b>GUID</b> .
System.Boolean	A bit.

#### 2.2.4.36 InvalidMetadataObjectExceptionState

**Namespace:** Microsoft.SharePoint.BusinessData

The **InvalidMetadataObjectExceptionState** complex type is an error complex type that contains information about a protocol-server-side error because a MetadataObject contained invalid attributes. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```

<xs:complexType name="InvalidMetadataObjectExceptionState">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:q3="Microsoft.BusinessData.SharePoint" base="q3:MetadataException">
      <xs:sequence>
        <xs:element minOccurs="0" name="InvalidFieldName" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="InvalidMetadataObjectId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="InvalidMetadataObjectName" nillable="true"
type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

**InvalidFieldName:** The name of the MetadataObject attribute that is invalid.

**InvalidMetadataObjectId:** The MetadataObjectId of the MetadataObject that has an invalid attribute.

**InvalidMetadataObjectName:** The name of the MetadataObject that has an invalid attribute.

#### 2.2.4.37 InvalidMetadataPropertyExceptionState

**Namespace:** Microsoft.SharePoint.BusinessData

The **InvalidMetadataPropertyExceptionState** complex type is an error complex type that contains information about a protocol-server-side error because an invalid property was detected in the set of properties of a MetadataObject. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```

<xs:complexType name="InvalidMetadataPropertyExceptionState">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:q4="Microsoft.BusinessData.SharePoint" base="q4:MetadataException">
      <xs:sequence>
        <xs:element minOccurs="0" name="InvalidPropertyName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="MetadataObjectName" nillable="true"
type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

**InvalidPropertyName:** The name of the property that is invalid.

**MetadataObjectName:** The name of the MetadataObject that has an invalid property.

#### 2.2.4.38 InvalidOperationException

**Namespace:** http://schemas.datacontract.org/2004/07/System

The **InvalidOperationException** complex type is an error complex type that contains information about a protocol-server-side error because of an attempt to perform an operation that is invalid for the current state of the protocol server. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```
<xs:complexType name="InvalidOperationException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:SystemException"/>
  </xs:complexContent>
</xs:complexType>
```

#### 2.2.4.39 LobSystemInstanceStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The LobSystemInstanceStruct complex type contains information about a LobSystemInstance.

```
<xs:complexType name="LobSystemInstanceStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**lobSystemId:** The MetadataObjectId of the LobSystem that contains this LobSystemInstance.

#### 2.2.4.40 LobSystemStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **LobSystemStruct** complex type contains information about a LobSystem.

```
<xs:complexType name="LobSystemStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element
          xmlns:q17="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
          minOccurs="0" name="systemType" type="q17:SystemType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**systemType:** The **SystemType** (section [2.2.5.9](#)) of the LobSystem.

#### 2.2.4.41 LocalizedNameStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **LocalizedNameStruct** complex type contains information about a localized name.

```
<xs:complexType name="LocalizedNameStruct">
  <xs:sequence>
    <xs:element minOccurs="0" name="lcid" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="metadataObjectId" type="xs:unsignedInt"/>
  </xs:sequence>
</xs:complexType>
```

```

    <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="vluе" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

**lcid:** The **LCID** representing the locale of the localized name. This element **MUST** be present.

**metadataObjectId:** The MetadataObjectId of the MetadataObject that contains the localized name. This element **MUST** be present. The value of this element **MUST** be in [1, 0x7fffffff] range. [<4>](#)

**settingId:** The **Setting** that contains the localized name. This element **MUST** be present.

**vluе:** The localized name of the MetadataObject in the locale specified with **lcid** element. This element **MUST** be present.

#### 2.2.4.42 MetadataException

**Namespace:** Microsoft.BusinessData.SharePoint

The **MetadataException** complex type is an error complex type that contains information about a protocol-server-side error because of a syntactic or semantic violation of a MetadataModel constraint in the metadata store. The complex type **MUST** only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```

<xs:complexType name="MetadataException">
  <xs:sequence>
    <xs:element minOccurs="0" name="explicitMessage" type="xs:boolean"/>
    <xs:element minOccurs="0" name="innerExceptionToStringed" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="innerExceptionTypeFullName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="message" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="metadataObjectTypeName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="serverStackTrace" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

**explicitMessage:** An implementation-specific error message detailing the constraint violation.

**innerExceptionToStringed:** The detailed reason for the error.

**innerExceptionTypeFullName:** A name for the kind of violation that caused this fault. The client **MUST** ignore this value.

**message:** The detailed reason for the error.

**metadataObjectTypeName:** The type of MetadataObject being accessed when the error occurred.

**serverStackTrace:** The implementation-specific representation of the location on the server where the error is occurred.

#### 2.2.4.43 MetadataObjectNotFoundExceptionHandler

**Namespace:** Microsoft.SharePoint.BusinessData

The **MetadataObjectNotFoundExceptionState** complex type is an error complex type that contains information about a protocol-server-side error because a requested MetadataObject was not found. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```
<xs:complexType name="MetadataObjectNotFoundExceptionState">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:q6="Microsoft.BusinessData.SharePoint" base="q6:MetadataException">
      <xs:sequence>
        <xs:element minOccurs="0" name="SearchCriteria" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**SearchCriteria:** The implementation-specific plain text informative criterion used to search for the MetadataObject.

#### 2.2.4.44 MetadataObjectStruct

**Namespace:** Microsoft.SharePoint.BusinessData

This structure contains the attributes of the MetadataObject.

```
<xs:complexType name="MetadataObjectStruct">
  <xs:sequence>
    <xs:element minOccurs="0" name="id" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="isCached" type="xs:boolean"/>
    <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="objectVersion" type="xs:int"/>
    <xs:element minOccurs="0" name="partitionId" type="ser:guid"/>
  </xs:sequence>
</xs:complexType>
```

**id:** The MetadataObjectId of the MetadataObject, if the MetadataObject already exists in the metadata store. Otherwise, this value MUST be 0. This element MUST be present. The value of this element MUST be in [0, 0x7fffffff] range.

**isCached:** A value which specifies the frequency of the use of a MetadataObject by the protocol client. Protocol clients can use this as a recommendation as to whether to cache a MetadataObject in memory. Whether the client considers a MetadataObject to be frequently used or not is left to its determination and is outside the scope of this protocol. This element MUST be present. The value MUST be in the following table.

Value	Description
False	The MetadataObject is infrequently used.
True	The MetadataObject is frequently used.

**name:** The name of the MetadataObject. This element MUST be present. The value of this element MUST have at least 1, at most 255 Unicode characters.

**objectVersion:** The object version of the MetadataObject. This element MUST be present.

**partitionId:** The empty GUID.

#### 2.2.4.45 MethodInstanceStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **MethodInstanceStruct** complex type contains information about a MethodInstance.

```
<xs:complexType name="MethodInstanceStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="isDefault" type="xs:boolean"/>
        <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
        <xs:element
          xmlns:q14="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel"
          minOccurs="0" name="methodInstanceType" type="q14:MethodInstanceType"/>
        <xs:element minOccurs="0" name="returnTypeDescriptorId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**isDefault:** A value which specifies if the MethodInstance is the default one among the MethodInstances of the same time that are contained by the DataClass that contains this MethodInstance. This element **MUST** be present. The value **MUST** be in the following table.

Value	Description
False	The MethodInstance is not the default one.
True	The MethodInstance is the default one.

**methodId:** The MetadataObjectId of the Method that contains the MethodInstance. This element **MUST** be present.

**methodInstanceType:** The type of the MethodInstance. This element **MUST** be present. The value of this element **MUST NOT** be NULL. The value **MUST** be a **methodInstanceType** from the <http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel> namespace.

**returnTypeDescriptorId:** The MetadataObjectId of the **ReturnTypeInfo** of the MethodInstance. This element **MUST** be present.

#### 2.2.4.46 MethodStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **MethodStruct** complex type contains information about a Method.

```
<xs:complexType name="MethodStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="isStatic" type="xs:boolean"/>
        <xs:element minOccurs="0" name="lobName" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

```

    </xs:sequence>
  </xs:extension>
</xs:complexContent>
</xs:complexType>

```

**entityId:** The MetadataObjectId of the Entity that contains the Method. This element **MUST** be present.

**isStatic:** A value which specifies if the Method is associated with an **EntityInstance**. This element **MUST** be present. The value **MUST** be in the following table.

Value	Description
False	The Method operates in the context of a specific EntityInstance.
True	The Method operates out of the context of a specific EntityInstance.

**lobName:** The name of the line-of-business (LOB) system operation that is represented by this Method. This element **MUST** be present. The value of this element **MUST NOT** be NULL. An application that utilizes the protocol client **MUST** use this name when calling LOB system operations. For example, an LOB system operation named "GetCus\_1" can be represented by a Method with name equal to "Get Customer". The lobName element of this Method needs to be "GetCus\_1".

#### 2.2.4.47 ModelStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ModelStruct** complex type contains information about a Model.

```

<xs:complexType name="ModelStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

#### 2.2.4.48 PackageFormatExceptionState

**Namespace:** Microsoft.SharePoint.BusinessData

The **PackageFormatExceptionState** complex type is an error complex type that contains information about a protocol-server-side error because a specified XML does not conform to [\[MS-BDCMFFS\]](#) or the MetadataModel contained within the specified XML conforming to [\[MS-BDCMFFS\]](#) having invalid configuration of MetadataObjects or their attributes. The complex type **MUST** only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#))

```

<xs:complexType name="PackageFormatExceptionState">
  <xs:sequence>
    <xs:element minOccurs="0" name="Message" nillable="true" type="xs:string"/>
    <xs:element xmlns:q20="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
      minOccurs="0" name="ParseErrors" nillable="true" type="q20:ArrayOfstring"/>
    <xs:element minOccurs="0" name="SerializedInnerSystemException" nillable="true"
      type="xs:base64Binary"/>
  </xs:sequence>
</xs:complexType>

```

```

        <xs:element minOccurs="0" name="ServerStackTrace" nillable="true" type="xs:string"/>
    </xs:sequence>
</xs:complexType>

```

**Message:** A description of the error.

**ParseErrors:** A list of error messages or informational messages about the specified XML.

**SerializedInnerSystemException:** An implementation-specific representation of additional information about the error.

**ServerStackTrace:** An implementation-specific representation of the location on the protocol server where the error is occurred.

#### 2.2.4.49 ParameterStruct

**Namespace:** Microsoft.SharePoint.BusinessData

This structure contains the information about a Parameter.

```

<xs:complexType name="ParameterStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:MetadataObjectStruct">
            <xs:sequence>
                <xs:element
xmlns:q18="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
minOccurs="0" name="direction" type="q18:DirectionType"/>
                <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
                <xs:element minOccurs="0" name="ordinalNumber" type="xs:unsignedByte"/>
                <xs:element minOccurs="0" name="rootTypeDescriptorId" type="xs:unsignedInt"/>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>

```

**direction:** Specifies the direction of the Parameter.

**methodId:** Specifies the MetadataObjectId of the Parameter.

**ordinalNumber:** An integer representing the index of the Parameter among all Parameters in the containing Method.

**rootTypeDescriptorId:** Specifies the MetadataObjectId of the **root TypeDescriptor** of the Parameter.

#### 2.2.4.50 PropertyStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **PropertyStruct** complex type contains information about a property.

```

<xs:complexType name="PropertyStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:ComplexValueStruct">
            <xs:sequence>

```



```

        <xs:element minOccurs="0" name="metadataObjectId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="typeName" nillable="true" type="xs:string"/>
    </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

**metadataObjectId:** The MetadataObjectId of the property.

**name:** The name of the property. The value MUST be unique among the names of other properties of the containing MetadataObject, within the specified Setting.

**settingId:** The Setting which contains the property. The value MUST be NULL if the Setting is the default Setting. The value MUST NOT be NULL if the Setting is not the default Setting.

**typeName:** The implementation-specific name for the data type of the value of the property.

#### 2.2.4.51 ProxyGenerationResult

**Namespace:** <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime>

The **ProxyGenerationResult** complex type contains information about Business Logic Modules [<5>](#).

```

<xs:complexType name="ProxyGenerationResult">
  <xs:sequence>
    <xs:element minOccurs="0" name="compiledBytes" nillable="true" type="xs:base64Binary"/>
    <xs:element minOccurs="0" name="fingerprint" nillable="true" type="xs:base64Binary"/>
    <xs:element minOccurs="0" name="sourceCode" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

**compiledBytes:** The base64 encoded bytes that constitute the Business Logic Modules.

**fingerprint:** An implementation-specific identifier of the Business Logic Modules. If the bytes that constitute two Business Logic Modules are identical, their fingerprint values MUST also be identical.

**sourceCode:** The value of this element MUST be NULL. The protocol client and the protocol server MUST ignore this value.

#### 2.2.4.52 SystemException

**Namespace:** <http://schemas.datacontract.org/2004/07/System>

The **SystemException** complex type is an error complex type that contains information about a protocol-server-side error. The complex type MUST only be included as part of a SOAP fault as specified in **Complex Types** (section [2.2.4](#)).

```

<xs:complexType name="SystemException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:Exception"/>
  </xs:complexContent>
</xs:complexType>

```

## 2.2.4.53 TypeDescriptorStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **TypeDescriptorStruct** complex type contains information about a TypeDescriptor.

```
<xs:complexType name="TypeDescriptorStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="associationReferenceEntityName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="associationReferenceEntityNamespace" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="associationReferenceName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="childrenContainRules" type="xs:boolean"/>
        <xs:element minOccurs="0" name="containsFilterDescriptor" type="xs:boolean"/>
        <xs:element minOccurs="0" name="containsIdentifier" type="xs:boolean"/>
        <xs:element minOccurs="0" name="containsReadOnly" type="xs:boolean"/>
        <xs:element minOccurs="0" name="filterDescriptorId" type="xs:unsignedInt"/>
        <xs:element
xmlns:q19="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
minOccurs="0" name="flags" type="q19:TypeDescriptorFlags"/>
        <xs:element minOccurs="0" name="identifierId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="identifierReferenceEntityName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="identifierReferenceEntityNamespace" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="identifierReferenceName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="lobName" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="parameterId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="parentTypeDescriptorId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="serializedRules" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="typeName" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**associationId:** The MetadataObjectId of the Association referenced by the TypeDescriptor. If the TypeDescriptor references an Association contained by an active Entity, the value of this element MUST be the MetadataObjectId of the referenced Association. Otherwise the value MUST be 0. The value of this element MUST be in [0, 0x7fffffff] range. This element MUST be present.

**associationReferenceEntityName:** The name of the Entity that contains the Association referenced by the TypeDescriptor. If the TypeDescriptor references an Association of an Entity that is not active, the value MUST be the name of the Entity that contains the referenced Association. Otherwise this element MUST NOT be present. If the value of this element is not NULL, it MUST have at least 1, at most 255 Unicode characters.

**associationReferenceEntityNamespace:** The namespace of the Entity that contains the Association referenced by the TypeDescriptor. If the TypeDescriptor references an Association of an Entity that is not active, the value MUST be the namespace of the Entity that contains the referenced Association. Otherwise this element MUST NOT be present. If the value of this element is not NULL, it MUST have at least 1, at most 255 Unicode characters.

**associationReferenceName:** The name of the Association referenced by the TypeDescriptor. If the TypeDescriptor references an Association of an Entity that is not active, the value MUST be the name of the referenced Association. Otherwise this element MUST NOT be present. If the value of this element is not null, it MUST have at least 1, at most 255 Unicode characters.

**childrenContainRules:** A value which indicates whether any descendant of the TypeDescriptor has rules. The value MUST be true, if any descendant of the TypeDescriptor has rules, otherwise the value MUST be false. This element MUST be present.

**containsFilterDescriptor:** A value which indicates whether the TypeDescriptor or any descendant of it has an associated FilterDescriptor. The value MUST be true, if the TypeDescriptor has an associated FilterDescriptor or there is a descendant of this TypeDescriptor which has an associated FilterDescriptor, otherwise the value MUST be false. This element MUST be present.

**containsIdentifier:** A value which indicates whether the TypeDescriptor or any descendant of it references an Identifier. The value MUST be true, if the TypeDescriptor references an Identifier or there is a descendant of this TypeDescriptor which references an Identifier, otherwise the value MUST be false. This element MUST be present.

**containsReadOnly:** A value which indicates whether the TypeDescriptor or any descendant of it has "ReadOnly" flag set. The value MUST be true, if the TypeDescriptor has "ReadOnly" flag set or there is a descendant of this TypeDescriptor which has "ReadOnly" flag set. Otherwise, the value MUST be false. This element MUST be present.

**filterDescriptorId:** The MetadataObjectId of the FilterDescriptor associated with the TypeDescriptor. If a FilterDescriptor is associated with the TypeDescriptor, the value MUST be the MetadataObjectId of the associated FilterDescriptor. Otherwise the value of this element MUST be 0. The value of this element MUST be in [0, 0x7fffffff] range. This element MUST be present.

**flags:** The **TypeDescriptorFlags** (section [2.2.5.10](#)) of the TypeDescriptor.

**identifierId:** The MetadataObjectId of the Identifier referenced by the TypeDescriptor. If the TypeDescriptor references an Identifier of an active Entity, the value MUST be the MetadataObjectId of the referenced Identifier. Otherwise, the value MUST be 0. The value of this element MUST be in [0, 0x7fffffff] range. This element MUST be present.

**identifierReferenceEntityName:** The name of the Entity that contains the Identifier referenced by the TypeDescriptor. If the TypeDescriptor references an Identifier of an Entity that is not active, the value MUST be the name of the Entity that contains the referenced Identifier. Otherwise this element MUST NOT be present. If the value of this element is not NULL, it MUST have at least 1, at most 255 Unicode characters.

**identifierReferenceEntityNamespace:** The namespace of the Entity that contains the Identifier referenced by the TypeDescriptor. If the TypeDescriptor references an Identifier of an Entity that is not active, the value MUST be the namespace of the Entity that contains the referenced Identifier. Otherwise this element MUST NOT be present. If the value of this element is not NULL, it MUST have at least 1, at most 255 Unicode characters.

**identifierReferenceName:** The name of the Identifier referenced by the TypeDescriptor. If the TypeDescriptor references an Identifier of an Entity that is not active, the value MUST be the name of the referenced Identifier. Otherwise this element MUST NOT be present. If the value of this element is not NULL, it MUST have at least 1, at most 255 Unicode characters.

**lobName:** The name of the data structure that is represented by the TypeDescriptor.

**parameterId:** The MetadataObjectId of the Parameter that contains the TypeDescriptor.

**parentTypeDescriptorId:** The MetadataObjectId of the parent TypeDescriptor that contains the TypeDescriptor. If the TypeDescriptor is a root TypeDescriptor, the value MUST be 0. Otherwise the value MUST be the MetadataObjectId of the parent TypeDescriptor that contains the TypeDescriptor. The value of this element MUST be in [0, 0x7fffffff] range. This element MUST be present.

**serializedRules:** Rules to apply to the values in the data structure corresponding to the TypeDescriptor. If there are no rules to be applied, the value MUST be NULL or empty string (""). If there are rules to be applied, the value MUST be a rules structure. The following is the ABNF notation as specified in [\[RFC5234\]](#) for the rules structure:

```
rules = rule *( %x00 rule)

rule = convertRule / normalizeRule

convertRule = %x54 fromType HTAB toType CRLF Culture

normalizeRule = %x44 ( local / unspecified / UTC)

UTC = %x42

local = %x43

unspecified = %x44

fromType = AssemblyQualifiedName
toType = AssemblyQualifiedName
```

**Culture:** Implementation specific<sup><6></sup> name of the culture.

**AssemblyQualifiedName:** The name of the data type of the value qualified with the module that contains it. The format MUST be as:

```
AssemblyQualifiedName = TypeName %x2C LibraryIdentifier %x2C VersionProperty %x2C
CultureProperty %x2C PublicKeyTokenProperty
```

where **LibraryIdentifier**, **VersionProperty**, **PublicKeyTokenProperty**, and **CultureProperty** are as specified in [\[MS-NRTP\]](#) section 2.2.1.3.

**TypeName:** The name of the data type of the value.<sup><7></sup> The format is as specified in [\[MS-NRTP\]](#) section 2.2.1.2.

The rules MUST be stored in order from left to right, where the leftmost rule is first to one to run. Occurrence of a convertRule indicates that the protocol client MUST interpret this rule as a cast between fromType and toType. Occurrence of a normalizeRule indicates that the protocol client MUST interpret this rule as converting the time zone of a time value to **UTC** from the time zone specified. The specified time zone values are indicated by values UTC, local, and unspecified, which correspond to UTC time zone, local time zone, and UTC time zone without time zone information respectively.

**typeName:** The implementation-specific identifier for the data type of the data structure that the TypeDescriptor represents. The value of this element MUST have at least 1 and at most 255 Unicode characters. The value of this element is mapped to a data type by the implementation-specific module associated with the Parameter that contains this TypeDescriptor. The module that can perform the mapping MUST be specified as follows:

- If the Parameter that contains this TypeDescriptor contains a property with name "TypeReflectorTypeName" and type "System.String", the module specified by the identifier represented by the string property value MUST be used. The identifier MUST be the **AssemblyQualifiedName** in the following format described with ABNF notation as specified in [\[RFC5234\]](#):

```
AssemblyQualifiedName = TypeName %x2C LibraryIdentifier %x2C VersionProperty %x2C
CultureProperty %x2C PublicKeyTokenProperty
```

**LibraryIdentifier**, **VersionProperty**, **PublicKeyTokenProperty**, and **CultureProperty** are as specified in [\[MS-NRTP\]](#) section 2.2.1.3.

**TypeName**: The name of the data type of the value. [<8>](#) The format is as specified in [\[MS-NRTP\]](#), section [2.1.1.1.2](#).

If the previous condition is not met, and if the LobSystem that contains the DataClass containing the Method of the Parameter that contains this TypeDescriptor has type specified as "Custom", and if the module associated with the LobSystem for the purposes of communicating with the corresponding LOB system, which is identified by the value of the LobSystem contained **Property** with name "SystemUtilityTypeName" and type "System.String", specifies a module for the purpose of mapping value of **typeName** element to a data type, the specified module MUST be used.

If the previous conditions are not met, an implementation-specific [<9>](#) module MUST be used.

#### 2.2.4.54 Version

**Namespace**: <http://schemas.datacontract.org/2004/07/System>

The **Version** complex type MUST contain information about the version of a DataClass.

```
<xs:complexType name="Version">
  <xs:sequence>
    <xs:element name="_Build" type="xs:int"/>
    <xs:element name="_Major" type="xs:int"/>
    <xs:element name="_Minor" type="xs:int"/>
    <xs:element name="_Revision" type="xs:int"/>
  </xs:sequence>
</xs:complexType>
```

**\_Build**: The third significant part of the version. The value MUST be non-negative.

**\_Major**: The most significant part of the version. The value MUST be non-negative.

**\_Minor**: The second significant part of the version. The value MUST be non-negative.

**\_Revision**: The fourth and least significant part of the version. The value MUST be non-negative.

#### 2.2.5 Simple Types

The following table summarizes the set of common XML Schema simple type definitions defined by this specification. XML Schema simple type definitions that are specific to a particular operation are described with the operation.

Simple Type	Description
CacheUsage	Specifies how the protocol client accesses EntityInstance data to perform create, read, update and delete operations, when this information is not provided explicitly by means that are beyond this protocol specification. If the protocol client does not have the capability to cache EntityInstance data, the protocol client MUST ignore this value.
char	The <b>char</b> simple type represents a Unicode character.
DirectionType	The <b>DirectionType</b> simple type specifies the direction of an argument represented by a Parameter for a line-of-business (LOB) system operation.
duration	The <b>duration</b> simple type represents a duration.
FilterType	The FilterType simple type specifies the type of the filter represented by the FilterDescriptor.
guid	The <b>guid</b> simple type represents a GUID.
MethodInstanceType	This simple type contains information about the type of a MethodInstance.
PackageContents	Specifies a subset of the types of the data contained by a MetadataModel.
SystemType	The type of line-of-business (LOB) system that a LobSystem is representing.
TypeDescriptorFlags	The <b>TypeDescriptorFlags</b> simple type contains information about the characteristics of the data stored in a data structure represented by a TypeDescriptor.

### 2.2.5.1 CacheUsage

**Namespace:** <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime>

Specifies how the protocol client accesses EntityInstance data to perform create, read, update and delete operations, when this information is not provided explicitly by means that are beyond this protocol specification. If the protocol client does not have the capability to cache EntityInstance data, the protocol client MUST ignore this value.

```
<xs:simpleType name="CacheUsage">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Default"/>
    <xs:enumeration value="Online"/>
    <xs:enumeration value="Cached"/>
    <xs:enumeration value="Offline"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for CacheUsage:

Value	Meaning
Default	The protocol client MUST make an implementation-specific choice to use any one of the other behaviors listed in this table based on its capabilities.
Online	The protocol client MUST bypass the EntityInstance data cache for all operations.

Value	Meaning
Cached	The protocol client MUST use the EntityInstance data cache to perform create, update and delete operations. If the requested data is available in the EntityInstance data cache, protocol client MUST use the data in the cache, otherwise the protocol client MUST bypass the EntityInstance data cache to obtain the data, and put the data to the EntityInstance data cache for later use.
Offline	The protocol client MUST use the EntityInstance data cache to perform create, read, update, and delete operations.

### 2.2.5.2 char

**Namespace:** <http://schemas.microsoft.com/2003/10/Serialization/>

The **char** simple type represents a Unicode character.

```
<xs:simpleType name="char">
  <xs:restriction base="xs:int"/>
</xs:simpleType>
```

### 2.2.5.3 DirectionType

**Namespace:** <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel>

The **DirectionType** simple type specifies the direction of an argument represented by a Parameter for a line-of-business (LOB) system operation.

```
<xs:simpleType name="DirectionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="In"/>
    <xs:enumeration value="Out"/>
    <xs:enumeration value="InOut"/>
    <xs:enumeration value="Return"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for DirectionType:

Value	Meaning
In	The argument is used to send data to the operation before the operation is executed.
Out	The argument is used to retrieve data from the operation after the operation is finished.
InOut	The argument is used to send data to the operation before the operation is starts, and also to retrieve data from the operation after the operation is finished.
Return	The argument is the result of the operation.

### 2.2.5.4 duration

**Namespace:** <http://schemas.microsoft.com/2003/10/Serialization/>

The **duration** simple type represents a duration.

```

<xs:simpleType name="duration">
  <xs:restriction base="xs:duration">
    <xs:pattern value="-?P(\d*D)?(T(\d*H)?(\d*M)?(\d*(\.\d*)?S)?)?" />
    <xs:minInclusive value="-P10675199DT2H48M5.4775808S" />
    <xs:maxInclusive value="P10675199DT2H48M5.4775807S" />
  </xs:restriction>
</xs:simpleType>

```

## 2.2.5.5 FilterType

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel

The FilterType simple type specifies the type of the filter represented by the FilterDescriptor.

```

<xs:simpleType name="FilterType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Comparison" />
    <xs:enumeration value="LastId" />
    <xs:enumeration value="Limit" />
    <xs:enumeration value="PageNumber" />
    <xs:enumeration value="Password" />
    <xs:enumeration value="SsoTicket" />
    <xs:enumeration value="Timestamp" />
    <xs:enumeration value="UserContext" />
    <xs:enumeration value="Username" />
    <xs:enumeration value="UserProfile" />
    <xs:enumeration value="Wildcard" />
    <xs:enumeration value="Input" />
    <xs:enumeration value="Output" />
    <xs:enumeration value="InputOutput" />
    <xs:enumeration value="Batching" />
    <xs:enumeration value="BatchingTermination" />
    <xs:enumeration value="UserCulture" />
    <xs:enumeration value="ActivityId" />
  </xs:restriction>
</xs:simpleType>

```

The following table specifies the allowable values for FilterType:

Value	Meaning
Comparison	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>ComparisonFilter</b> .
LastId	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>LastIdFilter</b> .
Limit	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>LimitFilter</b> .
PageNumber	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>PageNumberFilter</b> .
Password	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>PasswordCredentialFilter</b> .



Value	Meaning
SsoTicket	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>SsoTicketFilter</b> .
Timestamp	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>TimeStampFilter</b> .
UserContext	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>UserContextFilter</b> .
Username	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>UsernameCredentialFilter</b> .
UserProfile	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>UserProfileFilter</b> .
Wildcard	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>WildcardFilter</b> .
Input	Indicates that the protocol client MUST interpret the FilterDescriptor as an <b>InputFilter</b> .
Output	Indicates that the protocol client MUST interpret the FilterDescriptor as an <b>OutputFilter</b> .
InputOutput	Indicates that the protocol client MUST interpret the FilterDescriptor as an <b>InputOutputFilter</b> .
Batching	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>BatchingPositionFilter</b> .
BatchingTermination	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>BatchingTerminationFilter</b> .
UserCulture	Indicates that the protocol client MUST interpret the FilterDescriptor as a <b>UserCultureFilter</b> .
ActivityId	Indicates that the protocol client MUST interpret the FilterDescriptor as an <b>ActivityTrackingFilter</b> .

### 2.2.5.6 guid

**Namespace:** <http://schemas.microsoft.com/2003/10/Serialization/>

The **guid** simple type represents a GUID.

```
<xs:simpleType name="guid">
  <xs:restriction base="xs:string">
    <xs:pattern value="\da-fA-F}{8}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{12}"/>
  </xs:restriction>
</xs:simpleType>
```

### 2.2.5.7 MethodInstanceType

**Namespace:** <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel>

This simple type contains information about the type of a MethodInstance.

```
<xs:simpleType name="MethodInstanceType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Finder"/>
    <xs:enumeration value="SpecificFinder"/>
    <xs:enumeration value="GenericInvoker"/>
    <xs:enumeration value="IdEnumerator"/>
    <xs:enumeration value="Scalar"/>
    <xs:enumeration value="AccessChecker"/>
    <xs:enumeration value="Creator"/>
    <xs:enumeration value="Updater"/>
    <xs:enumeration value="Deleter"/>
    <xs:enumeration value="ChangedIdEnumerator"/>
    <xs:enumeration value="DeletedIdEnumerator"/>
    <xs:enumeration value="AssociationNavigator"/>
    <xs:enumeration value="Associator"/>
    <xs:enumeration value="Disassociator"/>
    <xs:enumeration value="StreamAccessor"/>
    <xs:enumeration value="BinarySecurityDescriptorAccessor"/>
    <xs:enumeration value="BulkSpecificFinder"/>
    <xs:enumeration value="BulkAssociatedIdEnumerator"/>
    <xs:enumeration value="BulkAssociationNavigator"/>
    <xs:enumeration value="BulkIdEnumerator"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for MethodInstanceType:

Value	Meaning
Finder	Indicates that the protocol client MUST interpret the MethodInstance as a <b>Finder</b> .
SpecificFinder	Indicates that the protocol client MUST interpret the MethodInstance as a <b>SpecificFinder</b> .
GenericInvoker	Indicates that the protocol client MUST interpret the MethodInstance as a <b>GenericInvoker</b> .
IdEnumerator	Indicates that the protocol client MUST interpret the MethodInstance as a <b>IdEnumerator</b> .
Scalar	Indicates that the protocol client MUST interpret the MethodInstance as a <b>Scalar</b> .
AccessChecker	Indicates that the protocol client MUST interpret the MethodInstance as a <b>AccessChecker</b> .
Creator	Indicates that the protocol client MUST interpret the MethodInstance as a <b>Creator</b> .
Updater	Indicates that the protocol client MUST interpret the MethodInstance as a <b>Updater</b> .
Deleter	Indicates that the protocol client MUST interpret the MethodInstance as a <b>Deleter</b> .

Value	Meaning
ChangedIdEnumerator	Indicates that the protocol client MUST interpret the MethodInstance as a <b>ChangedIdEnumerator</b> .
DeletedIdEnumerator	Indicates that the protocol client MUST interpret the MethodInstance as a <b>DeletedIdEnumerator</b> .
AssociationNavigator	Indicates that the protocol client MUST interpret the MethodInstance as a <b>AssociationNavigator</b> .
Associator	Indicates that the protocol client MUST interpret the MethodInstance as a <b>Associator</b> .
Disassociator	Indicates that the protocol client MUST interpret the MethodInstance as a <b>Disassociator</b> .
StreamAccessor	Indicates that the protocol client MUST interpret the MethodInstance as a <b>StreamAccessor</b> .
BinarySecurityDescriptorAccessor	Indicates that the protocol client MUST interpret the MethodInstance as a <b>BinarySecurityDescriptorAccessor</b> .
BulkSpecificFinder	Indicates that the protocol client MUST interpret the MethodInstance as a <b>BulkSpecificFinder</b> .
BulkAssociatedIdEnumerator	Indicates that the protocol client MUST interpret the MethodInstance as a <b>BulkAssociatedIdEnumerator</b> .
BulkAssociationNavigator	Indicates that the protocol client MUST interpret the MethodInstance as a <b>BulkAssociationNavigator</b> .
BulkIdEnumerator	Indicates that the protocol client MUST interpret the MethodInstance as a <b>BulkIdEnumerator</b> .

### 2.2.5.8 PackageContents

**Namespace:** Microsoft.SharePoint.BusinessData

Specifies a subset of the types of the data contained by a MetadataModel.

```

<xs:simpleType name="PackageContents">
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None"/>
        <xs:enumeration value="Model"/>
        <xs:enumeration value="LocalizedNames"/>
        <xs:enumeration value="Permissions"/>
        <xs:enumeration value="Properties"/>
        <xs:enumeration value="InlineProxies"/>
        <xs:enumeration value="All"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:list>
</xs:simpleType>

```

The following table specifies the allowable values for PackageContents:

Value	Meaning
None	No data. This value is a composite that indicates that Model, LocalizedNames, Permissions, Properties, and InlineProxies were not specified.
Model	The MetadataObjects contained by the MetadataModel.
LocalizedNames	The localized names corresponding to the MetadataObjects contained by the MetadataModel.
Permissions	The access control entries corresponding to the MetadataObjects contained by the MetadataModel.
Properties	The Properties corresponding to the MetadataObjects contained by the MetadataModel
InlineProxies	The Business Logic Modules associated with the LobSystems contained by the MetadataModel.
All	The MetadataObjects contained by the MetadataModel, along with their localized names, Properties, access control entries in addition to the Business Logic Modules associated with the LobSystems contained by the MetadataModel. This value is a composite that indicates that Model, LocalizedNames, Permissions, Properties, and InlineProxies were all specified.

### 2.2.5.9 SystemType

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel

The type of line-of-business (LOB) system that a LobSystem is representing.

```
<xs:simpleType name="SystemType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Database"/>
    <xs:enumeration value="WebService"/>
    <xs:enumeration value="Custom"/>
    <xs:enumeration value="Wcf"/>
    <xs:enumeration value="DotNetAssembly"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for SystemType:

Value	Meaning
Database	The represented line-of-business (LOB) system is a database.
WebService	The represented line-of-business (LOB) system is a <b>Web service</b> .
Custom	The represented line-of-business (LOB) system is a line-of-business (LOB) system for which business logic external to the protocol implementation manages the connection and data transfer.
Wcf	The represented line-of-business (LOB) system is a service for which endpoint URI, binding, and contract are specified.
DotNetAssembly	The represented line-of-business (LOB) system is a Business Logic Module. <a href="#">&lt;10&gt;</a>

### 2.2.5.10 TypeDescriptorFlags

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel

The **TypeDescriptorFlags** simple type contains information about the characteristics of the data stored in a data structure represented by a TypeDescriptor.

```
<xs:simpleType name="TypeDescriptorFlags">
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None"/>
        <xs:enumeration value="CreatorField"/>
        <xs:enumeration value="UpdaterField"/>
        <xs:enumeration value="PreUpdaterField"/>
        <xs:enumeration value="IsCollection"/>
        <xs:enumeration value="ReadOnly"/>
        <xs:enumeration value="Significant"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:list>
</xs:simpleType>
```

The following table specifies the allowable values for TypeDescriptorFlags:

Value	Meaning
None	No flags exist.
CreatorField	This TypeDescriptor MUST be considered as a field (4) for calling a Creator.
UpdaterField	This TypeDescriptor MUST be considered as a field (4) for calling an Updater.
PreUpdaterField	This TypeDescriptor MUST be used to send the latest value received from the line-of-business (LOB) system corresponding to the field (4) with the same name as this TypeDescriptor when calling an Updater.
IsCollection	This TypeDescriptor MUST be interpreted as a collection of data structures.
ReadOnly	The protocol client MUST prevent values in the data structures corresponding to this TypeDescriptor from being modified.
Significant	The protocol client MUST use the values in the data structures corresponding to this TypeDescriptor when comparing values between structures or creating hash codes for comparison. When this flag is not set, The protocol client MUST ignore the values in the data structures corresponding to this TypeDescriptor when comparing values between structures or creating hash codes for comparison.

### 2.2.6 Attributes

This specification does not define any common XML Schema attribute definitions.

### 2.2.7 Groups

This specification does not define any common XML Schema group definitions.

### **2.2.8 Attribute Groups**

This specification does not define any common XML Schema attribute group definitions.

## 3 Protocol Details

In the following sections, the schema definition might differ from the processing rules imposed by the protocol. The WSDL in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL might specify differences that reflect actual Microsoft product behavior. For example, the schema definition might allow for an element to be **empty**, **null**, or **not present** but the behavior of the protocol as specified restricts the same elements to being **non-empty**, **present**, and **not null**.

The client side of this protocol is simply a pass-through. That is, no additional timers or other state is required on the client side of this protocol. Calls made by the higher-layer protocol or application are passed directly to the transport, and the results returned by the transport are passed directly back to the higher-layer protocol or application.

Except where specified, protocol clients SHOULD interpret HTTP status codes returned by the protocol server as specified in [\[RFC2616\]](#) section 10.

This protocol allows protocol servers to notify protocol clients of application-level faults using SOAP faults. Except where specified, these SOAP faults are not significant for interoperability, and protocol clients can interpret them in an implementation-specific manner.

This protocol allows protocol servers to perform implementation-specific authorization checks and notify protocol clients of authorization faults either using HTTP status codes or using SOAP faults as specified previously in this section.

### 3.1 Server Details

All operations consist of a basic request-response pair and the server treats each request as an independent transaction that is unrelated to any previous request.

#### 3.1.1 Abstract Data Model

This section describes a conceptual model of possible data organization that an implementation maintains to participate in this protocol. The described organization is provided to facilitate the explanation of how the protocol behaves. This document does not mandate that implementations adhere to this model as long as their external behavior is consistent with that described in this document.

For this protocol the protocol server maintains lists to store the attributes of each of the following data types:

- Access control entry
- Action
- ActionParameter
- Association
- AssociationGroup
- AssociationReference
- Cache Version Stamp
- DataClass

- Entity
- FilterDescriptor
- Identifier
- LobSystem
- LobSystemInstance
- Localized name
- MetadataObject
- Method
- MethodInstance
- Model
- Parameter
- Property
- TypeDescriptor
- DefaultValue

The implementations of the basic **Create**, **Read**, **Update**, and **Delete** stored procedures simply insert, read, update or delete items in each of these lists where the **MetadataObjectId** serves as the primary identifier.

The containment and reference relationships can be captured through additional lists that store the primary identifiers of the related data types.

The attributes and relationships of the types are in the following descriptions.

#### **Property**

- Has fields **MetadataObjectId**, **Name**, **SettingId**, and **TypeName**.
- No containment or referential relationships.

#### **Localized name**

- Has fields **Lcid**, **MetadataObjectId**, **SettingId**, and **Value**.
- No containment or referential relationships.

#### **Access control entry**

- Has fields **PrincipalBinaryForm**, **PrincipalDisplayName**, **PrincipalName**, and **Rights**.
- No containment or referential relationships.

#### **MetadataObject**

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, and **PartitionId**.



- Contains zero or more **Properties**, zero or more localized names, and zero or more access control entries.

### Model

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, and **PartitionId**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more access control entries.
- References zero or more **DataClasses** and zero or more **Entities**.

### LobSystem

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, **PartitionId**, and **SystemType**.
- Contains zero or more **Properties**, zero or more localized names, zero or more access control entries, zero or more **DataClasses**, zero or more **Entities**, zero or more **LobSystemInstances**, and zero or more Business Logic Modules.

### LobSystemInstance

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, and **PartitionId**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more access control entries.
- Contained by exactly one **LobSystem**.

### DataClass

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, **PartitionId**, **Active**, **LobSystemId**, **ModelId**, **Namespace**, and **Version**.
- Contains zero or more **Properties**, zero or more localized names, zero or more access control entries, zero or more **Methods**, and zero or more **MethodInstances**.
- Contained by exactly one **LobSystem**.
- At most one **DataClass** or **Entity** is active across all **DataClasses** and **Entities** that have the same name and namespace.

### Entity

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, **PartitionId**, **Active**, **LobSystemId**, **ModelId**, **Namespace**, **CacheUsage**, **Description**, and **EstimatedInstanceCount**.
- Contains zero or more **Properties**, zero or more localized names, zero or more access control entries, zero or more **Methods**, zero or more **MethodInstances**, zero or more **Identifiers**, zero or more **Actions**, and zero or more **AssociationGroups**.
- Contained by exactly one **LobSystem**.
- References an **Action** as its default **Action**.
- At most one **DataClass** or **Entity** is active across all **DataClasses** and **Entities** that have the same name and namespace.

### Identifier

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, **PartitionId**, **EntityId**, **OrdinalNumber**, and **TypeName**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more access control entries.
- Contained by exactly one **Entity**.

#### Method

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, **PartitionId**, **LobName**, **IsStatic**, and **EntityId**.
- Contains zero or more **Properties**, zero or more localized names, zero or more access control entries, zero or more **FilterDescriptors**, zero or more **Parameters**, zero or more **MethodInstances**, and zero or more **Associations**.
- Contained by either exactly one **Entity** or exactly one **DataClass**.

#### MethodInstance

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, **PartitionId**, **MethodId**, **MethodInstanceType**, **ReturnTypeDescriptorId**, and **IsDefault**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more access control entries.
- References zero or one **TypeDescriptors**.
- Contained by exactly one **Method**.
- Contained by either exactly one **Entity** or exactly one **DataClass**.
- If the **MethodInstance** has a **ReturnTypeDescriptor** the **MethodInstance** references the **TypeDescriptor** that corresponds to the **ReturnTypeDescriptor**. Otherwise, the **MethodInstance** MUST NOT reference any TypeDescriptors.
- The **Type** attribute is NOT "AssociationNavigator", "Associator", "Disassociator", "BulkAssociationNavigator", or "BulkAssociatedIdEnumerator".

#### Association

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, **PartitionId**, **AssociationGroupId**, **DestinationEntityName**, **DestinationEntityNamespace**, **SourceEntityNames**, and **SourceEntityNamespaces**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more access control entries.
- References zero or one **TypeDescriptors**.
- References two or more **Entities**.
- Contained by exactly one **Method**.
- Contained by either exactly one **Entity** or exactly one **DataClass**.

- If the **Association** has a **ReturnTypeDescriptor**, the **Association** references the **TypeDescriptor** that corresponds to the **ReturnTypeDescriptor**. Otherwise, the **Association** references no **TypeDescriptors**.
- References the **Entity** that corresponds to the destination of the **Association**.
- References the **Entities** that correspond to the sources of the **Association**.
- Does not reference an **Entity** if that **Entity** is not a source or destination for the **Association**.
- The **Type** attribute is "AssociationNavigator," "Associator," "Disassociator," "BulkAssociationNavigator," or "BulkAssociatedIdEnumerator."

### Parameter

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, **Direction**, **PartitionId**, **MethodId**, **OrdinalNumber**, and **RootTypeDescriptorId**.
- Contains zero or more **Properties**, zero or more localized names, zero or more access control entries, and zero or more **TypeDescriptors**.
- Contained by exactly one **Method**.
- If the **Parameter** contains one or more **TypeDescriptors**, exactly one **TypeDescriptor** is not contained by any other **TypeDescriptor**. The **TypeDescriptor** that is not contained by any other **TypeDescriptor** corresponds to the **ReturnTypeDescriptor** of the **Parameter**.

### TypeDescriptor

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, **PartitionId**, **AssociationId**, **AssociationReferenceEntityName**, **AssociationReferenceEntityNamespace**, **AssociationReferenceName**, **ChildrenContainRules**, **ContainsFilterDescriptor**, **ContainsIdentifier**, **ContainsReadOnly**, **FilterDescriptorId**, **Flags**, **IdentifierId**, **IdentifierReferenceEntityName**, **IdentifierReferenceEntityNamespace**, **LobName**, **ParameterId**, **ParentTypeDescriptorId**, **SerializedRules**, and **TypeName**.
- Contains zero or more **Properties**, zero or more localized names, zero or more access control entries, zero or more **TypeDescriptors**, and zero or more **DefaultValues**.
- References zero or one **Identifiers**, zero or one **Associations**, and zero or one **FilterDescriptors**.
- If the **TypeDescriptor** references a **FilterDescriptor**, that **FilterDescriptor** references the **TypeDescriptor**.
- Contained by exactly one **Parameter** or exactly one **TypeDescriptor**.

### FilterDescriptor

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, **PartitionId**, **FilterField**, **FilterType**, and **MethodId**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more access control entries.
- Contained by exactly one **Method**.
- References one or more **TypeDescriptors**.

- If the **FilterDescriptor** references a **TypeDescriptor**, that **TypeDescriptor** references the **FilterDescriptor**.

#### **DefaultValue**

- Has fields named **NeedsTypeReflectionResolution**, **WcfMarshallableValue**, **WcfMarshallableValueAssemblyQualifiedTypeName**, **WcfMarshallableValueTypeTypeName**, **MethodInstanceId**, **MethodInstanceName**, and **TypeDescriptorId**.
- Contained by exactly one **TypeDescriptor**.

#### **AssociationGroup**

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, and **PartitionId**, **AssociationEntityNames**, **AssociationEntityNamespaces**, **AssociationIds**, and **AssociationNames**.
- Contains zero or more **Properties**, zero or more localized names, zero or more access control entries, and zero or more **AssociationReferences**.
- Contained by exactly one **Entity**.

#### **AssociationReference**

- Has fields named **\_associationName**, **\_entityName**, **\_entityNamespace**, **AssociationGroupId**, **AssociationGroupObjectVersion**, **AssociationId**, **Id**, **IsReverse**, and **PartitionId**.
- References exactly one **Association**.
- Contained by exactly one **AssociationGroup**.

#### **Action**

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, **PartitionId**, **EntityId**, **ImageUrl**, **IsOpenedInNewWindow**, **Position**, and **Url**.
- Contains zero or more **Properties**, zero or more localized names, zero or more access control entries, and zero or more **ActionParameters**.
- Contained by exactly one **Entity**.

#### **ActionParameter**

- Has fields named **Id**, **Name**, **IsCached**, **Object version**, **PartitionId**, **ActionId**, and **Index**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more access control entries.
- Contained by exactly one **Action**.

#### **Cache Version Stamp**

- Has fields named **CacheLine**, **Counter**, **PartitionId**, and **Timestamp**.
- No containment or referential relationships.

### 3.1.2 Timers

None.

### 3.1.3 Initialization

None.

### 3.1.4 Message Processing Events and Sequencing Rules

The definitions of some operations in this section make use of ABNF representation as specified in [\[RFC5234\]](#).

The specifications of the operations in this section identify the conditions under which the protocol server MUST respond with corresponding error complex types. In addition, if the protocol server encounters an error specific to its implementation, it MAY respond with any fault listed in the WSDL for its operation. The responses MUST be formatted as SOAP faults, using error complex types serialized as specified in section [2.2.4](#). The different error complex types have the following meanings:

Error complex type	Condition
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	The protocol server encounters an invalid argument value while performing implementation-specific operations.
<b>ArgumentNullException</b> (section <a href="#">2.2.4.8</a> )	While performing implementation-specific operations, the protocol server encounters a NULL value for an argument that does not accept NULL values.
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The protocol server encounters an argument with a value outside the range of permissible values while performing implementation-specific operations.
<b>BdcExceptionState</b> (section <a href="#">2.2.4.25</a> )	The protocol server encounters an unrecoverable error while performing implementation-specific operations, or encounters a violation of constraints on the metadata store.
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	The protocol server attempts an implementation-specific operation that is invalid for the current state of the protocol server.
<b>MetadataException</b> (section <a href="#">2.2.4.42</a> )	The protocol server discovers a violation of a syntactic or semantic constraint on a MetadataModel while performing implementation-specific operations.
<b>PackageFormatExceptionState</b> (section <a href="#">2.2.4.48</a> )	Within an implementation-specific operation, the protocol server encounters XML that does not conform to the format specified in <a href="#">[MS-BDCMFFS]</a> , or XML conforming to <a href="#">[MS-BDCMFFS]</a> having invalid configuration of MetadataObjects or their attributes.

For the following operations, the protocol client MAY [≤11>](#) specify values for a subset of the elements of the complex types that inherit from **MethodInstanceStruct** (section [2.2.4.45](#)), including **MethodObjectStruct** (section [2.2.4.44](#)) itself. The protocol server MUST NOT return a fault for this condition. Unless otherwise specified, the protocol client MUST specify the values of the **Id** and **PartitionId** elements of complex types when used as parameters in the following operations:

- [AddEntityToModel](#)

- [ClearLocalizedNames](#)
- [ClearProperties](#)
- [CopyAclAcrossChildren](#)
- [CopyAclToSetting](#)
- [DeleteNoCascade](#)
- [DeleteProxyAssemblyForLobSystem](#)
- [ExportPackage](#)
- [GetAccessControlEntries](#)
- [GetAllLocalizedNamesForMetadataObjectStruct](#)
- [GetAllPropertiesForMetadataObjectStruct](#)
- [GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor](#)
- [GetFieldTypeDescriptorsByMethodInstance](#)
- [GetLobSystemDataByLobSystem](#)
- [GetTypeReflectorTypeNameForParameter](#)
- [ImportPackage](#)
- [ImportPackageWithProgress](#)
- [MetadataObjectCreate](#)
- [MetadataObjectMergeXml](#)
- [MetadataObjectReadXml](#)
- [MetadataObjectWriteXml](#)
- [ModelReadXml](#)
- [ReadSlicedXml](#)
- [RemoveEntityFromModel](#)
- [RemoveLocalizedName](#)
- [RemoveProperty](#)
- [SaveLocalizedName](#)
- [SaveProperty](#)
- [SetAccessControlEntries](#)
- [SetDefaultActionForEntity](#)
- [TypeDescriptorCreate](#)

- [TypeDescriptorMergeXml](#)
- [TypeDescriptorReadXml](#)

For the operations specified in the following table, the protocol server **MUST** update the object versions of the corresponding **MetadataObjects** in the metadata store as follows:

- If the object version of the **MetadataObject** is 2147483646, the object version **MUST** be set to 0.
- Otherwise, the object version **MUST** be incremented by 1.

Operation	MetadataObjects
<a href="#">Activate</a>	The Entity specified by <b>entityStruct</b> element.
<a href="#">AddAssociationReferenceToAssociationGroup</a>	The AssociationGroup specified by <b>associationGroupStruct</b> element.
<a href="#">BulkSwitchActiveOrValidate</a>	The Entities specified by <b>entityStructs</b> element.
<a href="#">Deactivate</a>	The Entity specified by <b>entityStruct</b> element.
<a href="#">DeleteAssociationReferenceFromAssociationGroup</a>	The AssociationGroup which contains the AssociationReference specified by <b>associationReferenceStruct</b> element.
<a href="#">Update</a>	The MetadataObject specified by the <b>metadataObjectStruct</b> element.

This specification includes the following **WSDL operations**:

WSDL Operation	Description
Activate	This operation is used to set the specified Entity active.
AddAssociationReferenceToAssociationGroup	This operation is used to create the specified AssociationReference in the specified AssociationGroup.
AddEntityToModel	This operation is used to add a reference to the specified Entity to the specified Model.
BulkSwitchActiveOrValidate	This operation is used to change the active version of the specified set of Entities, or validate the specified <b>Entities</b> for the purpose of changing the active versions and identify related errors.
CheckPathInMethodInstances	The <b>CheckPathInMerthodInstances</b> operation retrieves whether the specified path, which conforms to <a href="#">[MS-BDCMFFS]</a> section 2.1.5.5, corresponds to a TypeDescriptor in a <b>View</b> of the MethodInstances of the specified type contained by the specified DataClass, along with the MetadataObjectId of one such <b>MethodInstance</b> , if one exists.

WSDL Operation	Description
ClearLocalizedNames	This operation is used to remove all localized names of the specified <b>MetadataObject</b> from the specified <b>Setting</b> .
ClearProperties	This operation is used to remove all Properties of the specified <b>MetadataObject</b> from the specified <b>Setting</b> .
CopyAclAcrossChildren	<p>This operation is used to clear the access control entries of the descendent <b>MetadataObjects</b> of a specified <b>MetadataObject</b>, then copy the access control entries of the specified <b>MetadataObject</b> to the descendent <b>MetadataObjects</b>. A given <b>MetadataObject</b> is a descendent of the specified <b>MetadataObject</b> if the <b>MetadataObject</b> that contains the given <b>MetadataObject</b> is also a descendent of the specified <b>MetadataObject</b>, or the <b>MetadataObject</b> is contained by the specified <b>MetadataObject</b> itself.</p> <p>If the specified <b>MetadataObject</b> is a <b>MetadataCatalog</b>, the protocol server MUST NOT change the access control entries of any <b>LobSystem</b> and their descendent <b>MetadataObjects</b> if the security principal (2) in whose context the protocol client is operating is not authorized to edit the <b>LobSystem</b>.</p>
CopyAclAcrossChildrenForSetting	<p>This operation is used to clear the access control entries in a specified <b>Setting</b> on the descendent <b>MetadataObjects</b> of the specified <b>MetadataObject</b>, then copy the access control entries in the specified <b>Setting</b> on the specified <b>MetadataObject</b> to the descendent <b>MetadataObjects</b>. A given <b>MetadataObject</b> is a descendent of the specified <b>MetadataObject</b> if the <b>MetadataObject</b> that contains the given <b>MetadataObject</b> is also a descendent of the specified <b>MetadataObject</b>, or the <b>MetadataObject</b> is contained by the specified <b>MetadataObject</b> itself.</p> <p>If the specified <b>MetadataObject</b> is a <b>MetadataCatalog</b>, the protocol server MUST NOT change the access control entries of any <b>LobSystem</b> and their descendent <b>MetadataObjects</b> if the security principal (2) in whose context the protocol client is operating is not authorized to edit the <b>LobSystem</b>.</p>
CopyAclToSetting	This operation is used to delete the access control entries (ACEs) of the specified non-default <b>Setting</b> and the specified <b>MetadataObject</b> , then copy the ACEs of the default <b>Setting</b> and the specified <b>MetadataObject</b> to the specified <b>Setting</b> and



WSDL Operation	Description
	the specified <b>MetadataObject</b> .
Deactivate	This operation is used to set the active version of an Entity as not active.
Delete	This operation is used to delete the specified MetadataObject.
DeleteAssociationReferenceFromAssociationGroup	This operation is used to remove an AssociationReference from an AssociationGroup by deleting the <b>AssociationReference</b> .
DeleteDefaultValueForTypeDescriptor	This operation is used to delete the DefaultValue of the specified TypeDescriptor for the specified MethodInstance.
DeleteNoCascade	This operation is used to delete the specified MetadataObject without deleting the <b>MetadataObjects</b> it references.
DeleteProxyAssemblyForLobSystem	This operation is used to delete a Business Logic Module<12> associated with the specified LobSystem.
EntityCreate	This operation is used to create an Entity in the specified LobSystem. The operation MUST copy access control entries from the specified <b>LobSystem</b> to the created <b>Entity</b> . If a Model is specified, the operation MUST associate the created <b>Entity</b> with the specified <b>Model</b> . Otherwise the created <b>Entity</b> is not referenced by any <b>Model</b> .
ExportPackage	<p>This operation is used to retrieve an <b>XML</b> representation of the following objects from the metadata store:</p> <ul style="list-style-type: none"> <li>MetadataObjects contained by the specified MetadataModel along with their Properties, localized names and access control entries, if "Model" value is specified for the <b>packageContents</b> element. The XML MUST conform to <a href="#">[MS-BDCMFFS]</a> section 2.1.4.1.</li> <li>Localized names, Properties, and access control entries corresponding to <b>MetadataObjects</b> contained by the specified <b>MetadataModel</b>, if "Model" value is not specified for the <b>packageContents</b> element. The XML MUST conform to <a href="#">[MS-BDCMFFS]</a> section 2.2.4.1.</li> </ul> <p>If the specified <b>MetadataModel</b> contains LobSystems that the security principal (2) in whose context the protocol client is operating is not authorized to modify, the XML representation returned by this operation MUST NOT contain those <b>LobSystems</b>, and</p>

WSDL Operation	Description
	MUST NOT contain other <b>MetadataObjects</b> contained by <b>MetadataObjects</b> that are not contained in the result for this reason.
GenerateProxyAssemblyForLobSystem	This operation is used to force the protocol server to create an implementation-specific Business Logic Module<13> for the specified LobSystem to connect to the line-of-business (LOB) system described by the specified <b>LobSystem</b> . If a Business Logic Module is already available for the specified <b>LobSystem</b> this operation MUST NOT create another Business Logic Module and MUST complete successfully.
GetAccessControlEntries	This operation is used to retrieve the access control entries for the specified MetadataObject from the specified Setting. If there are no access control entries for the specified <b>MetadataObject</b> from the specified <b>Setting</b> and the value of the <b>fallback</b> element is "true", the protocol server MUST retrieve access control entries for the specified <b>MetadataObject</b> from the default <b>Setting</b> .
GetActionById	This operation is used to retrieve the specified Action.
GetActionParameterById	This operation is used to retrieve the specified ActionParameter.
GetActionParametersForAction	This operation is used to retrieve the ActionParameters of the specified Action.
GetActionsForEntity	This operation is used to retrieve the Actions of the specified Entity.
GetAllLocalizedNames	This operation is used to retrieve all localized names of the specified MetadataObject.
GetAllLocalizedNamesForMetadataObjectStruct	This operation is used to retrieve all the localized names of the specified MetadataObject for the specified Setting.
GetAllPartitionIds	This operation is deprecated from the protocol and MUST NOT be called.
GetAllProperties	This operation is used to retrieve all the Properties of the specified MetadataObject and the specified Setting.
GetAllPropertiesForMetadataObjectStruct	This operation is used to retrieve all the Properties of the specified MetadataObject from the specified Setting.
GetAssociationById	This operation is used to retrieve the Association with the specified MetadataObjectId.

WSDL Operation	Description
GetAssociationGroupById	This operation is used to retrieve the AssociationGroup with the specified MetadataObjectId.
GetAssociationGroupsForEntity	This operation is used to retrieve the AssociationGroups of the Entity with the specified MetadataObjectId.
GetAssociationMembersInRole	This operation is used to retrieve the source or destination Entities of the specified Association.
GetAssociationReferencesForAssociationGroup	This operation is used to retrieve the AssociationReferences contained by the specified AssociationGroup.
GetAssociationsForDataClass	This operation is used to retrieve the Associations that are contained by the specified DataClass.
GetAssociationsForEntityAndRole	This operation is used to retrieve the Associations that references the specified Entity as <b>Association</b> source or <b>Association</b> destination.
GetAssociationsForMethod	This operation is used to retrieve the Associations that are contained by the specified Method.
GetCacheInvalidationRecordsSince	This operation is deprecated from the protocol and MUST NOT <a href="#">&lt;14&gt;</a> be called.
GetChildTypeDescriptorsForTypeDescriptor	This operation is used to retrieve the TypeDescriptors contained by the specified <b>TypeDescriptor</b> .
GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor	This operation is used to retrieve the TypeDescriptors that reference Identifiers and are descendent <b>TypeDescriptors</b> of the specified <b>TypeDescriptor</b> . A given <b>TypeDescriptor</b> is a descendent of the specified <b>TypeDescriptor</b> if the <b>TypeDescriptor</b> that contains the given <b>TypeDescriptor</b> is also a descendent of the specified <b>TypeDescriptor</b> , or the <b>TypeDescriptor</b> is contained by the specified <b>TypeDescriptor</b> itself. <a href="#">&lt;15&gt;</a>
GetDataClassById	This operation is used to retrieve the DataClass with the specified MetadataObjectId.
GetDataClassesForSystem	This operation is used to retrieve DataClasses contained by the specified LobSystem.
GetDefaultValuesForTypeDescriptor	This operation is used to retrieve the DefaultValues of the specified TypeDescriptor.
GetEntitiesForAssociationAndRole	This operation is used to retrieve the Entities performing the role of source or destination for

WSDL Operation	Description
	the specified Association.
GetEntitiesForSystem	This operation is used to retrieve Entities of the specified LobSystem.
GetEntitiesLikeNameAndNamespace	<p>This operation is used to retrieve the Entities that match the specified wildcard patterns for name and namespace.</p> <p>An <b>Entity</b> matches the pattern specified by <b>wildcardedName</b> if and only if <b>wildcardedName</b> matches the name of the <b>Entity</b>, or the localized name of the <b>Entity</b> with LCID 0, or the localized name of the <b>Entity</b> with the LCID specified by <b>callerCultureLcid</b>.</p> <p>An <b>Entity</b> matches the pattern specified by <b>wildcardedNamespace</b> if and only if <b>wildcardedNamespace</b> matches the namespace of the <b>Entity</b>.</p>
GetEntitiesReferencedByModelId	This operation is used to retrieve Entities which are referenced by the specified Model.
GetEntityById	This operation is used to retrieve the Entity with the specified MetadataObjectId.
GetEntityCount	This operation retrieves the number of Entity elements that are contained by the specified LobSystem.
GetEntityNameAndNamespacesForAssociationAndRole	This operation is used to retrieve the names and namespaces of Entities which are referenced by the specified Association. Only <b>Entities</b> in the specified association <b>role</b> of source or destination are returned.
GetEntityWithNameAndNamespace	This operation is used to retrieve the active Entity with the specified name and namespace in the specified <b>Partition</b> .
GetEntityWithNameAndNamespaceAndVersion	This operation is used to retrieve the Entity with the specified name, namespace, and version.
GetFieldTypeDescriptorsByMethodInstance	This operation is used to retrieve TypeDescriptors that correspond to fields (4) for the MethodInstance with the specified name on the specified Entity.
GetFilterDescriptorById	This operation is used to retrieve the FilterDescriptor with the specified MetadataObjectId.
GetFilterDescriptorsForMethod	This operation is used to retrieve the FilterDescriptors contained by the specified Method.
GetIdentifierById	This operation is used to retrieve the Identifier with the specified MetadataObjectId.

WSDL Operation	Description
GetIdentifiersForEntity	This operation is used to retrieve the Identifiers contained by the specified Entity.
GetImportProgress	This operation is used to retrieve the progress of an ImportPackageWithProgress operation, using the unique identifier provided by the client at the creation of the import operation.
GetLevelForTypeDescriptor	This operation retrieves the depth of the specified TypeDescriptor in the <b>TypeDescriptor</b> tree that contains the specified <b>TypeDescriptor</b> . The <b>TypeDescriptor</b> tree for a specified <b>TypeDescriptor</b> consists of the specified <b>TypeDescriptor</b> with depth 0. Any <b>TypeDescriptor</b> that is contained by a <b>TypeDescriptor</b> in the <b>TypeDescriptor</b> tree is also in the tree with depth 1 plus the depth of the containing <b>TypeDescriptor</b> .
GetLobSystemAllAssembliesBytes	This operation is used to retrieve the Business Logic Modules associated with the specified LobSystem, if the systemType element of the specified <b>LobSystem</b> does not have the value "Custom". If the systemType element of the specified <b>LobSystem</b> has the value "Custom", the behavior of this operation is implementation-specific. <a href="#">&lt;16&gt;</a>
GetLobSystemById	This operation retrieves the LobSystem with the specified MetadataObjectId.
GetLobSystemByName	This operation is used to retrieve the specified LobSystem.
GetLobSystemDataByLobSystem	This operation is used to retrieve Business Logic Modules <a href="#">&lt;17&gt;</a> associated with the specified LobSystem.
GetLobSystemInstanceById	This operation is used to retrieve the LobSystemInstance with the specified MetadataObjectId.
GetLobSystemInstancesForLobSystem	This operation is used to retrieve the list of LobSystemInstances of the specified LobSystem. Only the <b>LobSystemInstances</b> that the security principal (2) in whose context the protocol client is operating is authorized to read <a href="#">&lt;18&gt;</a> are returned.
GetLobSystemProxyAssemblyBytesByLobSystemId	This operation is used to retrieve the implementation-specific Business Logic Module <a href="#">&lt;19&gt;</a> associated with the specified LobSystem.
GetLobSystemsLikeName	This operation is used to retrieve the LobSystems that match the specified wildcard pattern that the security principal in whose context the protocol client is operating is

WSDL Operation	Description
	authorized to read.<20> A <b>LobSystem</b> matches the wildcard pattern specified by <b>searchLikeName</b> if and only if <b>searchLikeName</b> matches the name of the <b>LobSystem</b> , or the localized name of the <b>LobSystem</b> with LCID 0, or the localized name of the <b>LobSystem</b> with the LCID specified by <b>callerCultureLcid</b> .
GetLobSystemsReferencedByEntitiesAssociatedWithModel	This operation is used to retrieve the LobSystems that the security principal in whose context the protocol client is operating is authorized to read<21> that are referenced by Entities associated with the specified Model.
GetMethodById	This operation is used to retrieve the Method with the specified MetadataObjectId.
GetMethodInstanceById	This operation is used to retrieve the MethodInstance with the specified MetadataObjectId.
GetMethodInstancesForDataClass	This operation is used to retrieve the MethodInstances contained by the Methods contained by the specified DataClass.
GetMethodInstancesForMethod	This operation is used to retrieve the MethodInstances contained by the specified Method.
GetMethodsForDataClass	This operation is used to retrieve the Methods contained by the specified DataClass.
GetModelById	This operation is used to retrieve the Model with the specified MetadataObjectId.
GetModelByName	This operation is used to retrieve the specified Model.
GetModelsByEntityId	This operation is used to retrieve the Models that reference the specified Entity.
GetModelsByName	This operation is used to retrieve the Models that match the specified wildcard pattern. A <b>Model</b> matches the wildcard pattern specified by <b>wildcardedName</b> if and only if <b>wildcardedName</b> matches the name of the <b>Model</b> , or the localized name of the <b>Model</b> with LCID 0, or the localized name of the <b>Model</b> with the LCID specified by <b>callerCultureLcid</b> .
GetParameterById	This operation is used to retrieve the Parameter with the specified MetadataObjectId.
GetParametersForMethod	This operation is used to retrieve the Parameters of the specified Method.

WSDL Operation	Description
GetRootTypeDescriptorForParameter	This operation is used to retrieve the root TypeDescriptor of the specified Parameter.
GetServiceApplicationId	This operation is used to retrieve the unique implementation-specific identifier of metadata store.
GetSystemUtilityTypeNameForLobSystem	This operation is used to retrieve the implementation-specific identifier of the module that executes operations in the line-of-business (LOB) system corresponding to the specified LobSystem.
GetTypeDescriptorById	This operation is used to retrieve the TypeDescriptor with the specified MetadataObjectId.
GetTypeDescriptorsByNameAndLevelForParameter	<p>This operation is used to retrieve the TypeDescriptors with the specified name and level contained by the specified Parameter. The level of a <b>TypeDescriptor</b> is defined as follows:</p> <ul style="list-style-type: none"> <li>▪ The level of the root <b>TypeDescriptor</b> is 0.</li> <li>▪ The level of specified <b>TypeDescriptor</b> is 1 plus the level of the <b>TypeDescriptor</b> containing the specified <b>TypeDescriptor</b>.</li> </ul>
GetTypeDescriptorsForFilterDescriptor	This operation is used to retrieve TypeDescriptors referenced by the specified FilterDescriptor.
GetTypeReflectorTypeNameForParameter	This operation is used to retrieve the implementation-specific name of the type of the <b>TypeReflector</b> of the specified Parameter.
GetXmlSchemaForView	<p>This operation is used to retrieve a XML Schema that specifies a data structure that can store the data corresponding to a View that corresponds to the specified MethodInstance. The resulting XML Schema MUST conform to <a href="#">[XMLSCHEMA1]</a> and <a href="#">[XMLSCHEMA2]</a>. The following types of MethodInstances have a <b>View</b> corresponding to them:</p> <ul style="list-style-type: none"> <li>▪ SpecificFinder</li> <li>▪ BulkSpecificFinder</li> <li>▪ Finder</li> <li>▪ AssociationNavigator</li> <li>▪ BulkAssociationNavigator</li> <li>▪ IdEnumerator</li> </ul>

WSDL Operation	Description
	<ul style="list-style-type: none"> <li>▪ ChangedIdEnumerator</li> <li>▪ DeletedIdEnumerator</li> <li>▪ BulkIdEnumerator</li> <li>▪ Creator</li> <li>▪ Updater</li> </ul> <p>The MethodInstances of any other type do not have a View associated with them.</p>
HaveRights	<p>The <b>HaveRights</b> operation retrieves whether the security principal (2) in whose context the protocol client is operating has the specified permission on the specified MetadataObject based on the permissions specified by the access control entries in the specified Setting associated with the specified <b>MetadataObject</b>.</p>
ImportPackage	<p>This operation is used to create the following objects in the metadata store:</p> <ul style="list-style-type: none"> <li>▪ MetadataObjects contained by the specified MetadataModel along with their Properties, localized names and access control entries, if "Model" value is specified for the <b>packageContents</b> element. The <b>MetadataModel</b> MUST be specified as an XML that conforms to <a href="#">[MS-BDCMFFS]</a> section 2.1.4.1. If the <b>MetadataModel</b> contains a LobSystem that has the same name and type as a <b>LobSystem</b> in the metadata store, the <b>LobSystem</b> in the <b>MetadataModel</b> MUST be ignored by the protocol server along with all LobSystemInstances contained by that <b>LobSystem</b> along with Properties, localized names and access control entries of the ignored MetadataObjects. If the <b>MetadataModel</b> contains an Entity that has the same name, namespace and version as an Entity in the metadata store, and if the names of the <b>LobSystems</b> that contain these <b>Entities</b> are identical, the <b>Entity</b> in the <b>MetadataModel</b> MUST be ignored by the protocol server along with all <b>MetadataObjects</b> contained by the <b>Entity</b> or other ignored <b>MetadataObjects</b> along with the <b>Properties</b>, localized names, and access control entries of the ignored <b>MetadataObjects</b>.</li> <li>▪ Localized names, <b>Properties</b>, and access control entries corresponding to <b>MetadataObjects</b> contained by the specified <b>MetadataModel</b>, if "Model" value</li> </ul>



WSDL Operation	Description
	is not specified for the <b>packageContents</b> element. The <b>MetadataModel</b> MUST be specified as an XML that conforms to <a href="#">[MS-BDCMFFS]</a> section 2.2.4.1.
ImportPackageWithProgress	<p>This operation is used to create the following objects in the metadata store:</p> <ul style="list-style-type: none"> <li>MetadataObjects contained by the specified MetadataModel along with their Properties, localized names, and access control entries, if "Model" value is specified for the <b>packageContents</b> element. The <b>MetadataModel</b> MUST be specified as an XML that conforms to <a href="#">[MS-BDCMFFS]</a> section 2.1.4.1. If the <b>MetadataModel</b> contains a LobSystem that has the same name and type as a <b>LobSystem</b> in the metadata store, the <b>LobSystem</b> in the <b>MetadataModel</b> MUST be ignored by the protocol server along with all LobSystemInstances contained by that <b>LobSystem</b> along with <b>Properties</b>, localized names and access control entries of the ignored <b>MetadataObjects</b>. If the <b>MetadataModel</b> contains an Entity that has the same name, namespace and version as an <b>Entity</b> in the metadata store, and if the names of the <b>LobSystems</b> that contain these <b>Entities</b> are identical, the <b>Entity</b> in the <b>MetadataModel</b> MUST be ignored by the protocol server along with all <b>MetadataObjects</b> contained by the <b>Entity</b> or other ignored <b>MetadataObjects</b> along with the <b>Properties</b>, localized names, and access control entries of the ignored <b>MetadataObjects</b>.</li> <li>Localized names, <b>Properties</b>, and access control entries corresponding to <b>MetadataObjects</b> contained by the specified <b>MetadataModel</b>, if "Model" value is not specified for the <b>packageContents</b> element. The <b>MetadataModel</b> MUST be specified as an XML that conforms to <a href="#">[MS-BDCMFFS]</a> section 2.2.4.1.</li> </ul> <p>The protocol server MUST track the progress of this operation with the specified identifier. The protocol client can retrieve the progress of this operation by using <a href="#">GetImportProgress</a> operation with the specified identifier.</p>
IsMethodInstantiated	This operation is used to determine if the specified Method contains at least one MethodInstance.
IsParameterReferencedByMethodInstance	The <b>IsParameterReferencedByMethodInstance</b>

WSDL Operation	Description
	operation checks whether the specified Parameter contains any TypeDescriptor that is the ReturnPropertyDescriptor of any MethodInstance contained by the Method containing the <b>Parameter</b> .
MetadataObjectCreate	This operation is used to create a MetadataObject in the metadata store. If the specified <b>MetadataObject</b> is a MetadataCatalog, and another <b>MetadataCatalog</b> with the same Partition as the specified <b>MetadataCatalog</b> already exists, then this operation MUST NOT change the state of the data in the metadata store.
MetadataObjectMergeXml	<p>This operation is used to merge the Properties, localized names, and access control entries contained by the specified MetadataModel into the existing MetadataObjects in the metadata store. The <b>MetadataModel</b> MUST be specified as a Well-Formed External Parsed Entity according to <a href="#">[XML]</a> section 4.3.2 and MUST have one of the following elements as the root element:</p> <ul style="list-style-type: none"> <li>▪ Action element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.27.</li> <li>▪ ActionParameter element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.29.</li> <li>▪ Association element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.30.</li> <li>▪ AssociationGroup element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.13</li> <li>▪ Entity element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.11.</li> <li>▪ FilterDescriptor element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.19.</li> <li>▪ Identifier element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.15.</li> <li>▪ LobSystem element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.7.</li> <li>▪ LobSystemInstance element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.9.</li> <li>▪ Method element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.17.</li> <li>▪ MethodInstance element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.21.</li> <li>▪ Model element as specified in <a href="#">[MS-</a></li> </ul>

WSDL Operation	Description
	<p><a href="#">BDCMFFS</a> section 2.2.4.1</p> <ul style="list-style-type: none"> <li>Parameter element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.23.</li> </ul>
MetadataObjectReadXml	<p>This operation is used to create MetadataObjects in the metadata store, optionally along with their Properties, localized names, and access control entries, contained by the specified MetadataModel. This operation creates <b>Properties</b>, localized names, and access control entries for default Setting. The MetadataModel MUST be specified as a Well-Formed External Parsed Entity according to <a href="#">[XML]</a> section 4.3.2 and MUST have one of the following elements as the root element:</p> <ul style="list-style-type: none"> <li>Action element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.34.</li> <li>ActionParameter element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.36.</li> <li>Association element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.37.</li> <li>AssociationGroup element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.13.</li> <li>Entity element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.11.</li> <li>Identifier element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.16.</li> <li>FilterDescriptor element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.20.</li> <li>LobSystem element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.7.</li> <li>LobSystemInstance element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.9.</li> <li>Method element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.18.</li> <li>MethodInstance element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.22.</li> <li>Parameter element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.24.</li> </ul>
MetadataObjectWriteXml	<p>The <b>MetadataObjectWriteXml</b> operation is used to retrieve an XML representation of the following objects from the metadata store:</p> <ul style="list-style-type: none"> <li>MetadataObjects contained by the MetadataModel along with their Properties,</li> </ul>

WSDL Operation	Description
	<p>localized names, and access control entries, if "Model" value is specified for the <b>packageContents</b> element. The XML MUST conform to <a href="#">[MS-BDCMFFS]</a> section 2.1.</p> <ul style="list-style-type: none"> <li>Localized names, <b>Properties</b>, and access control entries corresponding to <b>MetadataObjects</b> contained by the <b>MetadataModel</b>, if "Model" value is not specified for the <b>packageContents</b> element. The XML MUST conform to <a href="#">[MS-BDCMFFS]</a> section 2.2.</li> </ul> <p>The <b>MetadataModel</b> used for this operation MUST contain the specified <b>MetadataObject</b>, and other <b>MetadataObjects</b> that are contained by the <b>MetadataModel</b>; it MUST NOT contain any other <b>MetadataObjects</b>.</p> <p>If the specified <b>MetadataModel</b> contains <b>LobSystems</b> that the security principal (2) in whose context the protocol client is operating is not authorized to modify, the XML representation returned by this operation MUST NOT contain those <b>LobSystems</b>, and MUST NOT contain other <b>MetadataObjects</b> contained by <b>MetadataObjects</b> that are not contained in the result for this reason.</p>
ModelReadXml	<p>This operation is used to create <b>MetadataObjects</b> contained by the specified <b>MetadataModel</b> along with their <b>Properties</b>, localized names, and access control entries in the metadata store. The <b>MetadataModel</b> MUST be specified as an XML that conforms to the Business Data Connectivity Model File Format as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.1. If the <b>MetadataModel</b> contains a <b>LobSystem</b> that has the same name and type as a <b>LobSystem</b> in the metadata store, the <b>LobSystem</b> in the <b>MetadataModel</b> MUST be ignored by the protocol server along with all <b>LobSystemInstances</b> contained by that <b>LobSystem</b> and <b>Properties</b>, localized names, and access control entries of the ignored <b>MetadataObjects</b>. If the <b>MetadataModel</b> contains an <b>Entity</b> that has the same name, namespace and version as an <b>Entity</b> in the metadata store, and if the names of the <b>LobSystems</b> that contain these <b>Entities</b> are identical, the <b>Entity</b> in the <b>MetadataModel</b> MUST be ignored by the protocol server along with all <b>MetadataObjects</b> contained by the <b>Entity</b> or other ignored <b>MetadataObjects</b> and the <b>Properties</b>, localized names, and access control entries of the ignored <b>MetadataObjects</b>.</p>
ReadSlicedXml	This operation is deprecated from the protocol

WSDL Operation	Description
	and MUST NOT be called.
RemoveEntityFromModel	This operation is used to remove the reference to the specified Entity from the specified Model.
RemoveLocalizedName	This operation is used to remove the localized name with the specified LCID from the specified MetadataObject.
RemoveProperty	This operation is used to remove the specified Property from the specified MetadataObject.
SaveLocalizedName	This operation is used to add or replace a localized name for the specified MetadataObject. If a localized name with the same LCID as the specified LCID already exists for the specified <b>MetadataObject</b> , the protocol server MUST replace the localized name of the specified <b>MetadataObject</b> with the specified localized name.
SaveProperty	This operation is used to add or replace a <b>Property</b> for the specified MetadataObject. If a <b>Property</b> with the same name as the specified <b>Property</b> already exists for the specified <b>MetadataObject</b> , the protocol server MUST replace the <b>Property</b> of the <b>MetadataObject</b> with the specified <b>Property</b> .
SetAccessControlEntries	This operation is used to set an access control list to the specified MetadataObject. The protocol server MUST delete all access control entries of the specified <b>MetadataObject</b> for the specified Setting, and then adds the specified access control entries to the specified <b>MetadataObject</b> .
SetDefaultActionForEntity	This operation is used to set the default Action for the specified Entity.
SetDefaultValuesForTypeDescriptor	This operation is used to set the DefaultValue of the TypeDescriptor with the MetadataObjectId specified by the <b>typeDescriptorId</b> element of the specified DefaultValueStruct (section <a href="#">2.2.4.29</a> ) complex type for the MethodInstance with the <b>MetadataObjectId</b> specified by the <b>methodInstanceId</b> element of the specified DefaultValueStruct (section <a href="#">2.2.4.29</a> ).
SetLobSystemDataByLobSystemId	This operation is deprecated from the protocol and MUST NOT be called.
TypeDescriptorCreate	This operation is used to create a TypeDescriptor in the metadata store.
TypeDescriptorMergeXml	This operation is used to merge the Properties and localized names contained by the



```

edService/ActivateArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_Activate_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_Activate_ArgumentNullExceptionFault_FaultMessag
e"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_Activate_ArgumentOutOfRangeExceptionFault_Fault
Message"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_Activate\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_Activate\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (1) in whose context the protocol client is operating is not authorized to edit the specified <b>Entity</b> .
<b>ConcurrentModificationExceptionState</b> (section <a href="#">2.2.4.27</a> )	The specified <b>Entity</b> has been updated by a context other than the one that it has been currently read by. This happens when the specified object version is not equal to the current object version of the <b>Entity</b> . For example, this error can be triggered when one context reads the given <b>Entity</b> , after which another context updates the same <b>Entity</b> , and then the original context tries to update.
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	The operation cannot be performed for one of the following reasons: <ul style="list-style-type: none"> <li>▪ The specified <b>Entity</b> or another version of the specified <b>Entity</b> is already active.</li> <li>▪ The protocol server encountered reference errors as specified in section <a href="#">3.1.4.4.3.2</a> when performing this operation.</li> </ul>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>Entity</b> does not exist.

### 3.1.4.1.1 Messages

The following **WSDL message** definitions are specific to this operation.

#### 3.1.4.1.1.1 BusinessDataCatalogSharedService\_Activate\_InputMessage

The request WSDL message for the **Activate** WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Activate
```

The **SOAP body** contains the **Activate** element.

#### 3.1.4.1.1.2 BusinessDataCatalogSharedService\_Activate\_OutputMessage

The response WSDL message for the **Activate** WSDL operation.

The SOAP body contains the **ActivateResponse** element.

#### 3.1.4.1.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.1.2.1 Activate

The input data for the **Activate** WSDL operation.

```
<xs:element name="Activate">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q145="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="entityStruct" type="q145:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityStruct:** The specified Entity.

##### 3.1.4.1.2.2 ActivateResponse

The result data for the **Activate** WSDL operation.

```
<xs:element name="ActivateResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q146="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="ActivateResult" type="q146:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ActivateResult:** The activated Entity.

#### 3.1.4.1.3 Complex Types

None.



#### 3.1.4.1.4 Simple Types

None.

#### 3.1.4.1.5 Attributes

None.

#### 3.1.4.1.6 Groups

None.

#### 3.1.4.1.7 Attribute Groups

None.

### 3.1.4.2 AddAssociationReferenceToAssociationGroup

This operation is used to create the specified AssociationReference in the specified AssociationGroup.

```
<wsdl:operation name="AddAssociationReferenceToAssociationGroup">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroup"
    message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupResponse"
    message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupArgumentExceptionFault"
    name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"/>
```

```

message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_InvalidOperationExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_AddAssociationReferenceToAssociationGroup\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_AddAssociationReferenceToAssociationGroup\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error Complex Type	Condition
<b>AccessDeniedExceptionState</b> (section 2.2.4.3)	The security principal in whose context the protocol client is operating is not authorized to edit the specified <b>AssociationGroup</b> .
<b>ConcurrentModificationExceptionState</b> (section 2.2.4.27)	The specified <b>AssociationGroup</b> has been updated by a context other than the one by which it is currently being read. This happens when the specified object version is not equal to the current object version of the <b>AssociationGroup</b> . For example, this error can be raised when one context reads the <b>AssociationGroup</b> , another context updates the same <b>AssociationGroup</b> , and then the original context tries to update.
<b>DuplicateMetadataObjectExceptionState</b> (section 2.2.4.30)	Another <b>AssociationReference</b> in the specified <b>AssociationGroup</b> references the Association that is referenced by the specified <b>AssociationReference</b> .
<b>ExceededMetadataobjectLimitExceptionState</b> (section 2.2.4.32)	The specified <b>AssociationGroup</b> already contains the implementation-specific maximum number of <b>AssociationReferences</b> .
<b>InvalidOperationException</b> (section 2.2.4.38)	The operation cannot be performed because Entity containing the <b>AssociationGroup</b> is active.

### 3.1.4.2.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.2.1.1

### **BusinessDataCatalogSharedService\_AddAssociationReferenceToAssociationGroup\_InputMessage**

The request WSDL message for the **AddAssociationReferenceToAssociationGroup** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroup
```

The SOAP body contains the **AddAssociationReferenceToAssociationGroup** element.

#### 3.1.4.2.1.2

### **BusinessDataCatalogSharedService\_AddAssociationReferenceToAssociationGroup\_OutputMessage**

The response WSDL message for the **AddAssociationReferenceToAssociationGroup** WSDL operation.

The SOAP body contains the **AddAssociationReferenceToAssociationGroupResponse** element.

#### 3.1.4.2.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.2.2.1 AddAssociationReferenceToAssociationGroup

The input data for the **AddAssociationReferenceToAssociationGroup** WSDL operation.

```
<xs:element name="AddAssociationReferenceToAssociationGroup">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q3="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="associationGroupStruct" type="q3:AssociationGroupStruct"/>
      <xs:element xmlns:q4="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="associationReferenceStruct" type="q4:AssociationReferenceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**associationGroupStruct:** The AssociationGroup.

**associationReferenceStruct:** The AssociationReference.

##### 3.1.4.2.2.2 AddAssociationReferenceToAssociationGroupResponse

The result data for the **AddAssociationReferenceToAssociationGroup** WSDL operation.

```
<xs:element name="AddAssociationReferenceToAssociationGroupResponse">
  <xs:complexType>
    <xs:sequence>
```

```

        <xs:element xmlns:q5="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="AddAssociationReferenceToAssociationGroupResult" type="q5:AssociationGroupStruct"/>
        <xs:element xmlns:q6="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="associationReferenceStruct" type="q6:AssociationReferenceStruct"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

**AddAssociationReferenceToAssociationGroupResult:** The AssociationGroup.

**associationReferenceStruct:** The AssociationReference.

### 3.1.4.2.3 Complex Types

None.

### 3.1.4.2.4 Simple Types

None.

### 3.1.4.2.5 Attributes

None.

### 3.1.4.2.6 Groups

None.

### 3.1.4.2.7 Attribute Groups

None.

### 3.1.4.3 AddEntityToModel

This operation is used to add a reference to the specified Entity to the specified Model.

```

<wsdl:operation name="AddEntityToModel">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModel"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelResponse"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_BdcExceptionStateFault_FaultMe
ssage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_ArgumentExceptionFault_FaultMe
ssage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

```

```

edService/AddEntityToModelArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_ArgumentNullExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddEntityToModelArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddEntityToModelInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_InvalidOperationExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddEntityToModelMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_MetadataExceptionStateFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_AddEntityToModel\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_AddEntityToModel\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section 2.2.4.3)	The security principal in whose context the protocol client is operating is not authorized to edit the specified <b>Model</b> .
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified <b>Model</b> or the specified <b>Entity</b> <23> does not exist.

### 3.1.4.3.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.3.1.1 BusinessDataCatalogSharedService\_AddEntityToModel\_InputMessage

The request WSDL message for the **AddEntityToModel** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddEntityToModel

```

The SOAP body contains the **AddEntityToModel** element.

#### 3.1.4.3.1.2

#### **BusinessDataCatalogSharedService\_AddEntityToModel\_OutputMessage**

The response WSDL message for the **AddEntityToModel** WSDL operation.

The SOAP body contains the **AddEntityToModelResponse** element.

#### 3.1.4.3.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.3.2.1 AddEntityToModel

The input data for the **AddEntityToModel** WSDL operation.

```
<xs:element name="AddEntityToModel">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q234="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="modelStruct" type="q234:ModelStruct"/>
      <xs:element xmlns:q235="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="entityStruct" type="q235:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**modelStruct:** The Model.

**entityStruct:** The Entity.

##### 3.1.4.3.2.2 AddEntityToModelResponse

The result data for the **AddEntityToModel** WSDL operation.

```
<xs:element name="AddEntityToModelResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

#### 3.1.4.3.3 Complex Types

None.

#### 3.1.4.3.4 Simple Types

None.

#### 3.1.4.3.5 Attributes

None.

### 3.1.4.3.6 Groups

None.

### 3.1.4.3.7 Attribute Groups

None.

### 3.1.4.4 BulkSwitchActiveOrValidate

This operation is used to change the active version of the specified set of Entities, or validate the specified **Entities** for the purpose of changing the active versions and identify related errors.

```
<wsdl:operation name="BulkSwitchActiveOrValidate">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidate"
    message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateResponse"
    message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidatePackageFormatExceptionStateFault"
    name="PackageFormatExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_PackageFormatExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>
```

</wsdl:operation>

The protocol client sends a

**BusinessDataCatalogSharedService\_BulkSwitchActiveOrValidate\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_BulkSwitchActiveOrValidate\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The value of the <b>validate</b> element is "false" and the security principal (1) in whose context the protocol client is operating is not authorized to modify the specified <b>Entities</b> , or the currently active versions of the specified <b>Entities</b> .
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The <b>entityStructs</b> element in <b>BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InputMessage</b> has no elements.
<b>ConcurrentModificationExceptionState</b> (section <a href="#">2.2.4.27</a> )	At least one of the specified <b>Entities</b> has been updated by a context other than the one by which it is currently being read. This happens when the specified object version is not equal to the current object version of the <b>Entity</b> . For example, this error can be triggered when one context reads the given <b>Entity</b> , after which another context updates the same <b>Entity</b> , and then the original context tries to update the same <b>Entity</b> .
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	One of the following conditions is satisfied: <ul style="list-style-type: none"><li>▪ The operation cannot be performed because the value of the <b>validate</b> element is <b>false</b> and the protocol server encountered reference errors as specified in <b>ActivationErrorRecordStruct</b> (section <a href="#">3.1.4.4.3.2</a>) when performing this operation.</li><li>▪ The operation cannot be performed because one or more of the specified <b>Entities</b> is already active.</li></ul>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	One or more of the specified <b>Entities</b> does not exist.

### 3.1.4.4.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.4.1.1

#### **BusinessDataCatalogSharedService\_BulkSwitchActiveOrValidate\_InputMessage**

The request WSDL message for the **BulkSwitchActiveOrValidate** WSDL operation.

The SOAP action value is:



The SOAP body contains the **BulkSwitchActiveOrValidate** element.

#### 3.1.4.4.1.2

#### **BusinessDataCatalogSharedService\_BulkSwitchActiveOrValidate\_OutputMessage**

The response WSDL message for the **BulkSwitchActiveOrValidate** WSDL operation.

The SOAP body contains the **BulkSwitchActiveOrValidateResponse** element.

#### 3.1.4.4.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.4.2.1 BulkSwitchActiveOrValidate

The input data for the **BulkSwitchActiveOrValidate** WSDL operation.

```
<xs:element name="BulkSwitchActiveOrValidate">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q149="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="entityStructs" type="q149:ArrayOfEntityStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="validate" type="xs:boolean"/>
      <xs:element xmlns:q150="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="modelStruct" nillable="true" type="q150:ModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityStructs:** The Entities that are to be set active. At least one **Entity** MUST be specified. If the value of the **validate** element is **false** the protocol server MUST set previously active versions of the specified **Entities** as not active upon successful finish of this operation.

**validate:** This element specifies if the state of the data stored in the protocol server can be changed or not. A value of **false** indicates the protocol server MUST change the active versions of the **Entities**. A value of **true** indicates that the protocol server MUST validate the specified **Entities** for the purpose of changing the active versions and return any associated errors, and the protocol server MUST NOT change the state of the data stored in the protocol server.

**modelStruct:** The Model to add the specified **Entities** to. If the value of this element is not NULL and the value of the **validate** element is **false**, this operation MUST add all the specified **Entities** to the specified **Model** upon successful operation.

##### 3.1.4.4.2.2 BulkSwitchActiveOrValidateResponse

The result data for the **BulkSwitchActiveOrValidate** WSDL operation.

```
<xs:element name="BulkSwitchActiveOrValidateResponse">
  <xs:complexType>
    <xs:sequence>
```

```

        <xs:element xmlns:q151="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="BulkSwitchActiveOrValidateResult" type="q151:ArrayOfActivationErrorRecordStruct"/>
        <xs:element xmlns:q152="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="entityStructs" type="q152:ArrayOfEntityStruct"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

**BulkSwitchActiveOrValidateResult:** The reference errors encountered during the operation. The operation is successful if this element does not contain any reference errors.

**entityStructs:** This element MUST contain information about Entities that were updated as a result of this operation. The value of this element MUST be ignored if the value of the **validate** element is "true". [<24>](#)

### 3.1.4.4.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.4.3.1 ArrayOfActivationErrorRecordStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfActivationErrorRecordStruct** complex type contains reference errors encountered during the operation.

```

<xs:complexType name="ArrayOfActivationErrorRecordStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ActivationErrorRecordStruct"
nillable="true" type="tns:ActivationErrorRecordStruct"/>
  </xs:sequence>
</xs:complexType>

```

**ActivationErrorRecordStruct:** A reference error encountered during the operation.

#### 3.1.4.4.3.2 ActivationErrorRecordStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ActivationErrorRecordStruct** complex type contains information about a single reference error encountered during the operation. A reference error indicates a MetadataObject has a reference to an invalid **MetadataObject**, placing the **MetadataObject** that has the reference in error. The value of the **errorCode** element specifies which **MetadataObject** is in error, and why that **MetadataObject** is in error.

```

<xs:complexType name="ActivationErrorRecordStruct">
  <xs:sequence>
    <xs:element minOccurs="0" name="aGAssociationEntityReferenceName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="aGAssociationEntityReferenceNamespace" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="aGAssociationReferenceName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="containingAssociationGroupName" nillable="true"
type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

```

        <xs:element minOccurs="0" name="containingEntityName" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="containingEntityNamespace" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="containingEntityVersion" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="containingMethodName" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="containingParameterName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="containingTypeDescriptorId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="containingTypeDescriptorName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="errorCode" type="xs:int"/>
        <xs:element minOccurs="0" name="tDAssociationEntityReferenceName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="tDAssociationEntityReferenceNamespace" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="tDAssociationReferenceName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="tDIDEntityReferenceName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="tDIDEntityReferenceNamespace" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="tDIDReferenceName" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="tDIDReferenceTypeName" nillable="true" type="xs:string"/>
    </xs:sequence>
</xs:complexType>

```

**aGAssociationEntityReferenceName:** The name of the Entity containing the Association referenced by the AssociationReference that is in error.

**aGAssociationEntityReferenceNamespace:** The namespace of the **Entity** containing the **Association** referenced by the **AssociationReference** that is in error.

**aGAssociationReferenceName:** The name of the **Association** referenced by the **AssociationReference** that is in error.

**containingAssociationGroupName:** The name of the AssociationGroup that is in error or contains the **AssociationReference** in error.

**containingEntityName:** The name of the **Entity** that is in error or contains the MetadataObject in error.

**containingEntityNamespace:** The namespace of the **Entity** that is in error or contains the **MetadataObject** in error.

**containingEntityVersion:** The string representation of the version of the **Entity** that is in error or contains the MetadataObject in error. Following is the ABNF as specified in [\[RFC5234\]](#) for the **ContainingEntityVersion** structure:

```

ContainingEntityVersion = Major %x2E Minor *1(%x2E Build *1(%x2E Revision))

Major = 1*10DIGIT
Minor = 1*10DIGIT
Build = 1*10DIGIT
Revision = 1*10DIGIT

```

Major MUST be the major version of the **Entity**. Minor MUST be of the **Entity**. Build MUST be of the **Entity**. Revision MUST be of the **Entity**.

**containingMethodName:** The name of the Method that contains the **MetadataObject** that is in error.

**containingParameterName:** The name of the Parameter that contains the **MetadataObject** in error.

**containingTypeDescriptorId:** The MetadataObjectId of the TypeDescriptor that is in error.

**containingTypeDescriptorName:** The name of the **TypeDescriptor** that is in error.

**errorCode:** The error code. The value MUST be listed in the following table.

Value	Description
-1003	A <b>TypeDescriptor</b> is in error because it references an Identifier that doesn't exist in the specified <b>Entity</b> . For this error code, <b>containingEntityNamespace</b> , <b>containingEntityName</b> , <b>containingEntityVersion</b> , <b>containingMethodName</b> , <b>containingParameterName</b> , <b>containingTypeDescriptorName</b> , <b>containingTypeDescriptorId</b> , <b>tDIDReferenceName</b> , <b>tDIDReferenceTypeName</b> , <b>tDIDEntityReferenceName</b> , and <b>tDIDEntityReferenceNamespace</b> all MUST NOT be NULL. Values of all other elements MUST be ignored by the protocol client.
-1004	A <b>TypeDescriptor</b> is in error because it references an <b>Association</b> that doesn't exist in the specified <b>Entity</b> . For this error code, <b>containingEntityNamespace</b> , <b>containingEntityName</b> , <b>containingEntityVersion</b> , <b>containingMethodName</b> , <b>containingParameterName</b> , <b>containingTypeDescriptorName</b> , <b>containingTypeDescriptorId</b> , <b>tDAssociationReferenceName</b> , <b>tDAssociationEntityReferenceName</b> , and <b>tDAssociationEntityReferenceNamespace</b> all MUST NOT be NULL. Values of all other elements MUST be ignored by the protocol client.
-1005	An <b>Entity</b> is in error because the <b>TypeDescriptors</b> that are contained in the Parameters of its Methods are referencing only non-empty strict subset of <b>Identifiers</b> of an active <b>Entity</b> . For this error code, <b>containingEntityNamespace</b> , <b>containingEntityName</b> , <b>containingEntityVersion</b> , <b>containingMethodName</b> , <b>tDIDEntityReferenceName</b> , and <b>tDIDEntityReferenceNamespace</b> all MUST NOT be NULL. Values of all other elements MUST be ignored by the protocol client.
-1008	An AssociationReference is in error because it references an Association that doesn't exist in the specified <b>Entity</b> . For this error code, <b>containingEntityNamespace</b> , <b>containingEntityName</b> , <b>containingEntityVersion</b> , <b>containingAssociationGroupName</b> , <b>aGAssociationReferenceName</b> , <b>aGAssociationEntityReferenceName</b> , and <b>aGAssociationEntityReferenceNamespace</b> all MUST NOT be NULL. Values of all other elements MUST be ignored by the protocol client.
-1011	An Association is in error because the <b>Entity</b> containing the <b>Association</b> is not contained by the same LobSystem as the destination <b>Entity</b> of the <b>Association</b> . For this error code, <b>ContainingEntityNamespace</b> , <b>ContainingEntityName</b> , <b>ContainingEntityVersion</b> , <b>ContainingMethodName</b> , and <b>AGAssociationReferenceName</b> all MUST NOT be NULL. All other columns MUST be ignored by the protocol client.
-1012	An <b>Association</b> is in error because all of the conditions in the following list are <b>true</b> : <ul style="list-style-type: none"> <li>The destination <b>Entity</b> of the <b>Association</b> contains MethodInstance, and there exists a <b>TypeDescriptor</b> contained by the <b>Parameter</b> that contains the ReturnTypeDescriptor of this <b>MethodInstance</b>.</li> </ul>

Value	Description
	<ul style="list-style-type: none"> <li>▪ The same <b>TypeDescriptor</b> references an <b>Identifier</b> of a source <b>Entity</b> of the <b>Association</b>.</li> <li>▪ The same <b>TypeDescriptor</b> references the <b>Association</b>.</li> <li>▪ The <b>ReturnPropertyDescriptor</b> of the <b>Association</b> has the <b>IsCollection</b> flag not set.</li> </ul> <p>Or, all of the conditions in the following list are <b>true</b>:</p> <ul style="list-style-type: none"> <li>▪ The source <b>Entity</b> of the <b>Association</b> contains a <b>MethodInstance</b>, and there exists a <b>TypeDescriptor</b> contained by the <b>Parameter</b> that contains the <b>ReturnPropertyDescriptor</b> of this <b>MethodInstance</b>.</li> <li>▪ The same <b>TypeDescriptor</b> references an <b>Identifier</b> of the destination <b>Entity</b> of the <b>Association</b>.</li> <li>▪ The same <b>TypeDescriptor</b> references the <b>Association</b>.</li> <li>▪ The <b>ReturnPropertyDescriptor</b> of the <b>Association</b> has the <b>IsCollection</b> flag set.</li> </ul> <p>For this error code, <b>ContainingEntityNamespace</b>, <b>ContainingEntityName</b>, <b>ContainingEntityVersion</b>, <b>ContainingMethodName</b>, and <b>AGAssociationReferenceName</b> all MUST NOT be NULL. All other columns MUST be ignored by the protocol client.</p>
-800	<p>An <b>AssociationGroup</b> is in error because all <b>Associations</b> referenced by the <b>AssociationReferences</b> contained by this <b>AssociationGroup</b> with the <b>IsReverse</b> attribute set to <b>false</b> do not have same sources. For this error code, <b>containingEntityNamespace</b>, <b>containingEntityName</b>, <b>containingEntityVersion</b>, and <b>containingAssociationGroupName</b> all MUST NOT be NULL. Values of all other elements MUST be ignored by the protocol client.</p>
-801	<p>An <b>AssociationGroup</b> is in error because one of the following conditions is <b>true</b>:</p> <ul style="list-style-type: none"> <li>▪ The <b>Entity</b> containing <b>AssociationGroup</b> is not the destination of this <b>AssociationGroup</b>.</li> <li>▪ The <b>AssociationGroup</b> contains <b>AssociationReferences</b> with <b>IsReverse</b> attribute is set to true, but the <b>AssociationGroup</b> has more than one source.</li> </ul> <p>For this error code, <b>containingEntityNamespace</b>, <b>containingEntityName</b>, <b>containingEntityVersion</b>, and <b>containingAssociationGroupName</b> all MUST NOT be NULL. Values of all other elements MUST be ignored by the protocol client.</p>
-802	<p>An <b>AssociationGroup</b> is in error because there is more than one <b>Association</b> which is an <b>Associator</b> or a <b>Disassociator</b> referenced from the <b>AssociationReferences</b> of this <b>AssociationGroup</b>. For this error code, <b>containingEntityNamespace</b>, <b>containingEntityName</b>, <b>containingEntityVersion</b>, and <b>containingAssociationGroupName</b> all MUST NOT be NULL. Values of all other elements MUST be ignored by the protocol client.</p>
-803	<p>An <b>AssociationGroup</b> is in error because one of the following conditions is <b>true</b>:</p> <ul style="list-style-type: none"> <li>▪ There are more than one <b>Association</b> which is an <b>BulkAssociatedIdEnumerator</b> referenced from the <b>AssociationReferences</b> of this <b>AssociationGroup</b> with <b>IsReverse</b> attribute is set to <b>false</b>.</li> <li>▪ There are more <b>Associations</b> that are <b>BulkAssociatedIdEnumerators</b> referenced from the <b>AssociationReferences</b> of this <b>AssociationGroup</b> with <b>IsReverse</b> attribute is set to <b>true</b>, than the number of sources of this <b>AssociationGroup</b>.</li> </ul> <p>For this error code, <b>containingEntityNamespace</b>, <b>containingEntityName</b>, <b>containingEntityVersion</b>, and <b>containingAssociationGroupName</b> all MUST NOT be NULL. Values of all other elements MUST be ignored by the protocol client.</p>

Value	Description
-804	An <b>AssociationGroup</b> is in error because it contains an <b>AssociationReference</b> which has <b>IsReverse</b> attribute set to <b>true</b> , but the <b>Association</b> it references is not an <b>AssociationNavigator</b> , a <b>BulkAssociationNavigator</b> or a <b>BulkAssociatedIdEnumerator</b> . For this error code, <b>containingEntityNamespace</b> , <b>containingEntityName</b> , <b>containingEntityVersion</b> , and <b>containingAssociationGroupName</b> all MUST NOT be NULL. Values of all other elements MUST be ignored by the protocol client.
-805	An <b>Association</b> is in error because it is a <b>BulkAssociationNavigator</b> and it is not referenced from an <b>AssociationReference</b> that is contained in an <b>AssociationGroup</b> which has another <b>AssociationReference</b> that references an <b>Association</b> that is an <b>AssociationNavigator</b> and has the same value for <b>IsReverse</b> . For this error code, <b>containingEntityNamespace</b> , <b>containingEntityName</b> , <b>containingEntityVersion</b> , <b>containingMethodName</b> , and <b>aGAssociationReferenceName</b> all MUST NOT be NULL. If the <b>Association</b> is referenced from an <b>AssociationReference</b> , <b>containingAssociationGroupName</b> also MUST NOT be NULL; otherwise, it MUST be NULL. Values of all other elements MUST be ignored by the protocol client.
-806	An <b>Association</b> is in error because it is referenced by two or more <b>AssociationReferences</b> . For this error code, <b>containingEntityNamespace</b> , <b>containingEntityName</b> , <b>containingEntityVersion</b> , <b>containingMethodName</b> , and <b>aGAssociationReferenceName</b> all MUST NOT be NULL. Values of all other elements MUST be ignored by the protocol client.

**tDAssociationEntityReferenceName:** The name of the **Entity** that contains the **Association** referenced by the **TypeDescriptor** that is in error.

**tDAssociationEntityReferenceNamespace:** The namespace of the **Entity** that contains the **Association** referenced by the **TypeDescriptor** that is in error.

**tDAssociationReferenceName:** The name of the **Association** referenced by the **TypeDescriptor** that is in error.

**tDIDEntityReferenceName:** The name of the **Entity** containing the **Identifier** referenced by the **TypeDescriptor** that is in error.

**tDIDEntityReferenceNamespace:** The namespace of the **Entity** containing the **Identifier** referenced by the **TypeDescriptor** that is in error.

**tDIDReferenceName:** The name of the **Identifier** referenced by the **TypeDescriptor** that is in error.

**tDIDReferenceTypeName:** The name of the data type that is represented by the **TypeDescriptor** that is in error.

#### 3.1.4.4.4 Simple Types

None.

#### 3.1.4.4.5 Attributes

None.

#### 3.1.4.4.6 Groups

None.

### 3.1.4.4.7 Attribute Groups

None.

### 3.1.4.5 CheckPathInMethodInstances

The **CheckPathInMethodInstances** operation retrieves whether the specified path, which conforms to [\[MS-BDCMFFS\]](#) section 2.1.5.5, corresponds to a TypeDescriptor in a View of the MethodInstances of the specified type contained by the specified DataClass, along with the MetadataObjectId of one such **MethodInstance**, if one exists.

```
<wsdl:operation name="CheckPathInMethodInstances">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstances"
    message="tns:BusinessDataCatalogSharedService_CheckPathInMethodInstances_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstancesResponse"
    message="tns:BusinessDataCatalogSharedService_CheckPathInMethodInstances_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstancesBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_CheckPathInMethodInstances_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstancesMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_CheckPathInMethodInstances_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstancesArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_CheckPathInMethodInstances_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstancesArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_CheckPathInMethodInstances_ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a

**BusinessDataCatalogSharedService\_CheckPathInMethodInstances\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_CheckPathInMethodInstances\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	The specified path did not conform to the specification for TypeDescriptorPathStrings in <a href="#">[MS-BDCMFFS]</a> section 2.1.5.5.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified DataClass does not exist.

### 3.1.4.5.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.5.1.1

#### **BusinessDataCatalogSharedService\_CheckPathInMethodInstances\_InputMessage**

The request WSDL message for the **CheckPathInMethodInstances** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstances
```

The SOAP body contains the **CheckPathInMethodInstances** element.

#### 3.1.4.5.1.2

#### **BusinessDataCatalogSharedService\_CheckPathInMethodInstances\_OutputMessage**

The response WSDL message for the **CheckPathInMethodInstances** WSDL operation.

The SOAP body contains the **CheckPathInMethodInstancesResponse** element.

### 3.1.4.5.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.5.2.1 CheckPathInMethodInstances

The input data for the **CheckPathInMethodInstances** WSDL operation.

```
<xs:element name="CheckPathInMethodInstances">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="dataClassId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="dottedPath" type="xs:string"/>
      <xs:element
        xmlns:q29="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
        minOccurs="1" maxOccurs="1" name="type" type="q29:MethodInstanceType"/>
      <xs:element xmlns:q30="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="1" maxOccurs="1" name="partitionId" type="q30:guid"/>
    </xs:sequence>
  </xs:complexType>
```



```
</xs:element>
```

**dataClassId:** The MetadataObjectId of DataClass that contains the MethodInstances.

**dottedPath:** The path to the TypeDescriptor from the **TypeDescriptors** contained by the ReturnPropertyDescriptor of the **MethodInstance**. The value MUST be a path as specified in [\[MS-BDCMFFS\]](#) section 2.1.5.5.

**type:** The type of the **MethodInstance** to retrieve.

**partitionId:** An empty GUID.

### 3.1.4.5.2.2 CheckPathInMethodInstancesResponse

The result data for the **CheckPathInMethodInstances** WSDL operation.

```
<xs:element name="CheckPathInMethodInstancesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="CheckPathInMethodInstancesResult"
type="xs:boolean"/>
      <xs:element minOccurs="1" maxOccurs="1" name="methodInstanceId" type="xs:unsignedInt"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**CheckPathInMethodInstancesResult:** If **methodInstanceId** is 0, the value MUST be **false**. Otherwise, the value MUST be **true**.

**methodInstanceId:** The value MUST be the MetadataObjectId of any of the MethodInstances of the specified type contained by the specified DataClass that has a TypeDescriptor in its View corresponding to the specified path. If the specified **DataClass** contains more than one **MethodInstance** that matches the criteria, which of those **MethodInstances** is returned is determined in an implementation-specific manner. If the specified **DataClass** does not contain a **MethodInstance** that matches the criteria, the value MUST be 0.

### 3.1.4.5.3 Complex Types

None.

### 3.1.4.5.4 Simple Types

None.

### 3.1.4.5.5 Attributes

None.

### 3.1.4.5.6 Groups

None.

### 3.1.4.5.7 Attribute Groups

None.

### 3.1.4.6 ClearLocalizedNames

This operation is used to remove all localized names of the specified MetadataObject from the specified Setting.

```
<wsdl:operation name="ClearLocalizedNames">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNames"
    message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesResponse"
    message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_ClearLocalizedNames\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_ClearLocalizedNames\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in

**Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.2</a> )	The security principal in whose context the protocol client is operating is not authorized to edit the specified <b>MetadataObject</b> .
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.6.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.6.1.1

#### **BusinessDataCatalogSharedService\_ClearLocalizedNames\_InputMessage**

The request WSDL message for the **ClearLocalizedNames** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNames
```

The SOAP body contains the **ClearLocalizedNames** element.

#### 3.1.4.6.1.2

#### **BusinessDataCatalogSharedService\_ClearLocalizedNames\_OutputMessage**

The response WSDL message for the **ClearLocalizedNames** WSDL operation.

The SOAP body contains the **ClearLocalizedNamesResponse** element.

### 3.1.4.6.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.6.2.1 ClearLocalizedNames

The input data for the **ClearLocalizedNames** WSDL operation.

```
<xs:element name="ClearLocalizedNames">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q181="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q181:MetadataObjectStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject of which the localized names will be removed. The partition of this **MetadataObject** MUST be the empty GUID.

**settingId:** The Setting from which to delete the localized names.

#### 3.1.4.6.2.2 ClearLocalizedNamesResponse

The result data for the **ClearLocalizedNames** WSDL operation.

```
<xs:element name="ClearLocalizedNamesResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

#### 3.1.4.6.3 Complex Types

None.

#### 3.1.4.6.4 Simple Types

None.

#### 3.1.4.6.5 Attributes

None.

#### 3.1.4.6.6 Groups

None.

#### 3.1.4.6.7 Attribute Groups

None.

#### 3.1.4.7 ClearProperties

This operation is used to remove all Properties of the specified MetadataObject from the specified Setting.

```
<wsdl:operation name="ClearProperties">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearProperties"
    message="tns:BusinessDataCatalogSharedService_ClearProperties_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearPropertiesResponse"
    message="tns:BusinessDataCatalogSharedService_ClearProperties_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearPropertiesInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_ClearProperties_InvalidOperationExceptionFault_FaultMessage"/>
</wsdl:operation>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ClearProperties_MetadataExceptionStateFault_Fau
ltMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_ClearProperties_ArgumentExceptionFault_FaultMes
sage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_ClearProperties_ArgumentNullExceptionFault_Faul
tMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_ClearProperties_ArgumentOutOfRangeExceptionFaul
t_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ClearProperties_BdcExceptionStateFault_FaultMes
sage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_ClearProperties\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_ClearProperties\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section 2.2.4.2)	The security principal (2) in whose context the protocol client is operating is not authorized to edit the specified <b>MetadataObject</b> .
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.7.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.7.1.1 BusinessDataCatalogSharedService\_ClearProperties\_InputMessage

The request WSDL message for the **ClearProperties** WSDL operation.

The SOAP action value is:

The SOAP body contains the **ClearProperties** element.

#### 3.1.4.7.1.2 BusinessDataCatalogSharedService\_ClearProperties\_OutputMessage

The response WSDL message for the **ClearProperties** WSDL operation.

The SOAP body contains the **ClearPropertiesResponse** element.

#### 3.1.4.7.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.7.2.1 ClearProperties

The input data for the **ClearProperties** WSDL operation.

```
<xs:element name="ClearProperties">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q185="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q185:MetadataObjectStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject of which the Properties will be removed.

**settingId:** The Setting from which to delete the **Properties**.

##### 3.1.4.7.2.2 ClearPropertiesResponse

The result data for the **ClearProperties** WSDL operation.

```
<xs:element name="ClearPropertiesResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

#### 3.1.4.7.3 Complex Types

None.

#### 3.1.4.7.4 Simple Types

None.

#### 3.1.4.7.5 Attributes

None.

#### 3.1.4.7.6 Groups

None.

#### 3.1.4.7.7 Attribute Groups

None.

#### 3.1.4.8 CopyAclAcrossChildren

This operation is used to clear the access control entries of the descendent **MetadataObjects** of a specified **MetadataObject**, then copy the access control entries of the specified **MetadataObject** to the descendent **MetadataObjects**. A given **MetadataObject** is a descendent of the specified **MetadataObject** if the **MetadataObject** that contains the given **MetadataObject** is also a descendent of the specified **MetadataObject**, or the **MetadataObject** is contained by the specified **MetadataObject** itself.

If the specified **MetadataObject** is a MetadataCatalog, the protocol server MUST NOT change the access control entries of any LobSystem and their descendent **MetadataObjects** if the security principal (2) in whose context the protocol client is operating is not authorized to edit the **LobSystem**.

```
<wsdl:operation name="CopyAclAcrossChildren">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildren"
    message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenResponse"
    message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_InvalidOperationExceptionFault_FaultMessage"/>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentExceptionFault_Fa
ultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_BdcExceptionStateFault_Fa
ultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_CopyAclAcrossChildren\_InputMessage** request

message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_CopyAclAcrossChildren\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section 2.2.4.2)	The security principal (2) in whose context the protocol client is operating is not authorized to set permissions on the specified <b>MetadataObject</b> .
<b>ArgumentOutOfRangeException</b> (section 2.2.4.9)	The <b>MetadataObjectId</b> of the specified <b>MetadataObject</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.8.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.8.1.1

#### **BusinessDataCatalogSharedService\_CopyAclAcrossChildren\_InputMessage**

The request WSDL message for the **CopyAclAcrossChildren** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Cop
yAclAcrossChildren

```

The SOAP body contains the **CopyAclAcrossChildren** element.



#### 3.1.4.8.1.2

### BusinessDataCatalogSharedService\_CopyAclAcrossChildren\_OutputMessage

The response WSDL message for the **CopyAclAcrossChildren** WSDL operation.

The SOAP body contains the **CopyAclAcrossChildrenResponse** element.

#### 3.1.4.8.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.8.2.1 CopyAclAcrossChildren

The input data for the **CopyAclAcrossChildren** WSDL operation.

```
<xs:element name="CopyAclAcrossChildren">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q209="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q209:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject.

##### 3.1.4.8.2.2 CopyAclAcrossChildrenResponse

The result data for the **CopyAclAcrossChildren** WSDL operation.

```
<xs:element name="CopyAclAcrossChildrenResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

#### 3.1.4.8.3 Complex Types

None.

#### 3.1.4.8.4 Simple Types

None.

#### 3.1.4.8.5 Attributes

None.

#### 3.1.4.8.6 Groups

None.



```

name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentExcepti
onFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_CopyAclAcrossChildrenForSetting\_InputMessage**

request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_CopyAclAcrossChildrenForSetting\_OutputMessage**

response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error Complex Type	Condition
<b>AccessDeniedExceptionState</b> (section 2.2.4.3)	The security principal (2) in whose context the protocol client is operating is not authorized to set permissions on the specified <b>MetadataObject</b> .
<b>ArgumentOutOfRangeException</b> (section 2.2.4.9)	The MetadataObjectId of the specified <b>MetadataObject</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.9.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.9.1.1

**BusinessDataCatalogSharedService\_CopyAclAcrossChildrenForSetting\_InputMessage**

The request WSDL message for the **CopyAclAcrossChildrenForSetting** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Cop
yAclAcrossChildrenForSetting

```

The SOAP body contains the **CopyAclAcrossChildrenForSetting** element.

#### 3.1.4.9.1.2

**BusinessDataCatalogSharedService\_CopyAclAcrossChildrenForSetting\_OutputMessage**

The response WSDL message for the **CopyAclAcrossChildrenForSetting** WSDL operation.

The SOAP body contains the **CopyAclAcrossChildrenForSettingResponse** element.

### 3.1.4.9.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.9.2.1 CopyAclAcrossChildrenForSetting

The input data for the **CopyAclAcrossChildrenForSetting** WSDL operation.

```
<xs:element name="CopyAclAcrossChildrenForSetting">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q210="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q210:MetadataObjectStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject.

**settingId:** The Setting to copy the ACEs to and from.

#### 3.1.4.9.2.2 CopyAclAcrossChildrenForSettingResponse

The result data for the **CopyAclAcrossChildrenForSetting** WSDL operation.

```
<xs:element name="CopyAclAcrossChildrenForSettingResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.9.3 Complex Types

None.

### 3.1.4.9.4 Simple Types

None.

### 3.1.4.9.5 Attributes

None.

### 3.1.4.9.6 Groups

None.

### 3.1.4.9.7 Attribute Groups

None.

### 3.1.4.10 CopyAclToSetting

This operation is used to delete the access control entries (ACEs) of the specified non-default Setting and the specified MetadataObject, then copy the ACEs of the default **Setting** and the specified **MetadataObject** to the specified **Setting** and the specified **MetadataObject**.

```
<wsdl:operation name="CopyAclToSetting">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSetting"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingResponse"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_CopyAclToSetting\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_CopyAclToSetting\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error Complex Type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to modify the specified ACEs.
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the specified <b>MetadataObject</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>MetadataObject</b> does not exist in the metadata store.

### 3.1.4.10.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.10.1.1

#### **BusinessDataCatalogSharedService\_CopyAclToSetting\_InputMessage**

The request WSDL message for the **CopyAclToSetting** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSetting
```

The SOAP body contains the **CopyAclToSetting** element.

#### 3.1.4.10.1.2

#### **BusinessDataCatalogSharedService\_CopyAclToSetting\_OutputMessage**

The response WSDL message for the **CopyAclToSetting** WSDL operation.

The SOAP body contains the **CopyAclToSettingResponse** element.

### 3.1.4.10.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.10.2.1 CopyAclToSetting

The input data for the **CopyAclToSetting** WSDL operation.

```
<xs:element name="CopyAclToSetting">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q211="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q211:MetadataObjectStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition (1) of this element MUST be an empty GUID.

**settingId:** The **Setting** to write the ACEs to.

#### 3.1.4.10.2.2 CopyAclToSettingResponse

The result data for the **CopyAclToSetting** WSDL operation.

```
<xs:element name="CopyAclToSettingResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

#### 3.1.4.10.3 Complex Types

None.

#### 3.1.4.10.4 Simple Types

None.

#### 3.1.4.10.5 Attributes

None.

#### 3.1.4.10.6 Groups

None.

#### 3.1.4.10.7 Attribute Groups

None.

#### 3.1.4.11 Deactivate

This operation is used to set the active version of an Entity as not active.

```
<wsdl:operation name="Deactivate">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Deactivate"
    message="tns:BusinessDataCatalogSharedService_Deactivate_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeactivateResponse"
    message="tns:BusinessDataCatalogSharedService_Deactivate_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeactivateBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_Deactivate_BdcExceptionStateFault_FaultMessage"
  />
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeactivateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
  />
```

```

message="tns:BusinessDataCatalogSharedService_Deactivate_InvalidOperationExceptionFault_Fault
Message"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Deactivate_MetadataExceptionStateFault_FaultMes
sage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivatePackageFormatExceptionStateFault" name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Deactivate_PackageFormatExceptionStateFault_Fau
ltMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_Deactivate_ArgumentExceptionFault_FaultMessage"
/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_Deactivate_ArgumentNullExceptionFault_FaultMess
age"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_Deactivate_ArgumentOutOfRangeExceptionFault_Fau
ltMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_Deactivate\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_Deactivate\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to edit the specified <b>Entity</b> .
<b>ConcurrentModificationExceptionState</b> (section <a href="#">2.2.4.27</a> )	The specified <b>Entity</b> has been updated by a context other than the one that it has been currently read by. This happens when the specified object version is not equal to the current object version of the <b>Entity</b> . For example, this error can be triggered when a thread reads the given <b>Entity</b> , after which another thread updates the same <b>Entity</b> , and then the original thread tries to update.
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	One of the following conditions is satisfied: <ul style="list-style-type: none"> <li>This operation cannot be performed because the protocol server encountered reference errors (as specified in section <a href="#">3.1.4.4.3.2</a>) when performing</li> </ul>



Error complex type	Condition
	<p>this operation.</p> <ul style="list-style-type: none"> <li>This operation cannot be performed because the specified <b>Entity</b> is already not active.</li> </ul>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>Entity</b> does not exist.

### 3.1.4.11.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.11.1.1 BusinessDataCatalogSharedService\_Deactivate\_InputMessage

The request WSDL message for the **Deactivate** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Deactivate
```

The SOAP body contains the **Deactivate** element.

#### 3.1.4.11.1.2 BusinessDataCatalogSharedService\_Deactivate\_OutputMessage

The response WSDL message for the **Deactivate** WSDL operation.

The SOAP body contains the **DeactivateResponse** element.

### 3.1.4.11.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.11.2.1 Deactivate

The input data for the **Deactivate** WSDL operation.

```
<xs:element name="Deactivate">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q147="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="entityStruct" type="q147:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityStruct:** The Entity to set as not active.

#### 3.1.4.11.2.2 DeactivateResponse

The result data for the **Deactivate** WSDL operation.

```

<xs:element name="DeactivateResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q148="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="DeactivateResult" type="q148:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**DeactivateResult:** The Entity that was set as not active as a result of this operation.

#### 3.1.4.11.3 Complex Types

None.

#### 3.1.4.11.4 Simple Types

None.

#### 3.1.4.11.5 Attributes

None.

#### 3.1.4.11.6 Groups

None.

#### 3.1.4.11.7 Attribute Groups

None.

#### 3.1.4.12 Delete

This operation is used to delete the specified MetadataObject.

```

<wsdl:operation name="Delete">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/Delete" message="tns:BusinessDataCatalogSharedService_Delete_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteResponse"
message="tns:BusinessDataCatalogSharedService_Delete_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_Delete_ArgumentNullExceptionFault_FaultMessage"
/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_Delete_ArgumentOutOfRangeExceptionFault_FaultMe
ssage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Delete_BdcExceptionStateFault_FaultMessage"/>

```

```

<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_Delete_InvalidOperationExceptionFault_FaultMess
age"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Delete_MetadataExceptionStateFault_FaultMessage
"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_Delete_ArgumentExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_Delete\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_Delete\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error Complex Type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to modify the specified <b>MetadataObject</b> , or the specified <b>MetadataObject</b> is a Model and the security principal (2) in whose context the protocol client is operating is not authorized to modify one or more of the LobSystems which contain one or more <b>Entity</b> referenced by the specified Model.
<b>ConcurrentModificationExceptionState</b> (section <a href="#">2.2.4.27</a> )	The specified <b>MetadataObject</b> has been updated by a context other than the one that it has been currently read by. This happens when the specified object version is not equal to the current object version of the <b>MetadataObject</b> . For example, this error can be triggered when one context reads the given <b>MetadataObject</b> , after which another context updates the same <b>MetadataObject</b> , and then the original context tries to update the same <b>MetadataObject</b> .
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	One of the following conditions is satisfied: <ul style="list-style-type: none"> <li>The operation cannot be performed because the specified <b>MetadataObject</b> is an <b>Entity</b>, which, if active, MUST be made not active before being deleted. An attempt was made to make the <b>Entity</b> not active, but, at the time of the attempt, the <b>Entity</b> was no longer active.</li> <li>The operation cannot be performed because the specified <b>MetadataObject</b> is a FilterDescriptor of type TimeStampFilter and is currently used in a</li> </ul>

Error Complex Type	Condition
	<p>MethodInstance of type ChangedIdEnumerator or DeletedIdEnumerator.</p> <ul style="list-style-type: none"> <li>▪ The specified <b>MetadataObject</b> is an <b>Entity</b> and it contains at least one of the following child objects: Action, Method, Identifier or AssociationGroup.</li> <li>▪ The specified <b>MetadataObject</b> is a LobSystem and it contains at least one <b>Entity</b>.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>Method</b> and it contains at least one of the following child objects: <b>FilterDescriptor</b>, <b>MethodInstance</b>, or Parameter.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>Parameter</b> and it contains at least one of the following child objects: TypeDescriptor.</li> <li>▪ The operation cannot be performed because the specified <b>MetadataObject</b> is a <b>TypeDescriptor</b> and there exists at least one <b>MethodInstance</b> whose ReturnTypeDescriptor is the specified <b>TypeDescriptor</b>.</li> <li>▪ The specified <b>MetadataObject</b> cannot be deleted because it is either an active <b>Entity</b> or the child of an active <b>Entity</b>.</li> </ul>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>MetadataObject</b> does not exist.

Any Properties that are child objects of the specified **MetadataObject** MUST also be deleted. If the **metadataObjectStruct** element specifies any of the **MetadataObjects** in the following table, the protocol server MUST perform the corresponding actions, in addition to deleting the specified **MetadataObject** from the metadata store.

MetadataObject	Action
Action	Delete all the ActionParameters contained in the specified <b>Action</b> .
<b>Entity</b>	Delete all <b>Actions</b> , Methods, Identifiers and AssociationGroups that are child objects of the specified <b>Entity</b> , as well as all their child objects, in a recursive manner. If the LobSystem that is the parent of this <b>Entity</b> contains no other <b>Entities</b> , also delete the <b>LobSystem</b> , as well as all of <b>LobSystem</b> 's child objects in a recursive manner.
<b>LobSystem</b>	Delete all LobSystemInstances that are child objects of the specified <b>LobSystem</b> .
<b>Method</b>	Delete all <b>MethodInstances</b> , FilterDescriptors and <b>Parameters</b> that are child objects of the specified <b>Method</b> , as well as all their child objects, in a recursive manner.
Model	Delete all <b>LobSystems</b> and <b>Entities</b> that are referenced by the specified <b>Model</b> , as well as all their child objects, in a recursive manner.
<b>Parameter</b>	Delete the root TypeDescriptor of the specified <b>Parameter</b> , as well as all child objects of the root <b>TypeDescriptor</b> , in a recursive manner.
<b>TypeDescriptor</b>	Delete all the <b>TypeDescriptors</b> that are child objects of the specified

MetadataObject	Action
	<b>TypeDescriptor</b> , as well as all their child objects, in a recursive manner.

### 3.1.4.12.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.12.1.1 BusinessDataCatalogSharedService\_Delete\_InputMessage

The request WSDL message for the **Delete** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Delete
```

The SOAP body contains the **Delete** element.

#### 3.1.4.12.1.2 BusinessDataCatalogSharedService\_Delete\_OutputMessage

The response WSDL message for the **Delete** WSDL operation.

The SOAP body contains the **DeleteResponse** element.

### 3.1.4.12.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.12.2.1 Delete

The input data for the **Delete** WSDL operation.

```
<xs:element name="Delete">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q196="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q196:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject which this operation MUST delete.

#### 3.1.4.12.2.2 DeleteResponse

The result data for the **Delete** WSDL operation.

```
<xs:element name="DeleteResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.12.3 Complex Types

None.

### 3.1.4.12.4 Simple Types

None.

### 3.1.4.12.5 Attributes

None.

### 3.1.4.12.6 Groups

None.

### 3.1.4.12.7 Attribute Groups

None.

### 3.1.4.13 DeleteAssociationReferenceFromAssociationGroup

This operation is used to remove an AssociationReference from an AssociationGroup by deleting the **AssociationReference**.

```
<wsdl:operation name="DeleteAssociationReferenceFromAssociationGroup">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/DeleteAssociationReferenceFromAssociationGroup"
    message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_
    InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/DeleteAssociationReferenceFromAssociationGroupResponse"
    message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_
    OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/DeleteAssociationReferenceFromAssociationGroupBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_
    BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/DeleteAssociationReferenceFromAssociationGroupInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_
    InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/DeleteAssociationReferenceFromAssociationGroupArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_
    ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/DeleteAssociationReferenceFromAssociationGroupMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
```

```

message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_
MetadataExceptionStateFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteAssociationReferenceFromAssociationGroupArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_
ArgumentExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteAssociationReferenceFromAssociationGroupArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_
ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_DeleteAssociationReferenceFromAssociationGroup\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_DeleteAssociationReferenceFromAssociationGroup\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	One of the following conditions is satisfied: <ul style="list-style-type: none"> <li>The security principal (2) in whose context the protocol client is operating is not authorized to edit the Entity containing the <b>AssociationGroup</b> containing the specified <b>AssociationReference</b>.</li> <li>The identifier of the specified <b>AssociationReference</b> is 0.</li> <li>The specified <b>AssociationReference</b> does not exist.</li> </ul>
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The <b>associationGroupId</b> of the specified <b>AssociationReference</b> is 0.
<b>ConcurrentModificationExceptionState</b> (section <a href="#">2.2.4.27</a> )	The specified <b>AssociationReference</b> has been updated by a context other than the one that it has been currently read by. This happens when the specified object version is not equal to the current object version of the <b>AssociationReference</b> . For example, this error can be triggered when one context reads the given <b>AssociationReference</b> , after which another context updates the same <b>AssociationReference</b> , and then the original context tries to update. <a href="#">&lt;25&gt;</a>
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	The operation cannot be performed because the <b>Entity</b> which contains the <b>AssociationGroup</b> which contains the specified <b>AssociationReference</b> is active. <a href="#">&lt;26&gt;</a>

Error complex type	Condition
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The <b>AssociationGroup</b> that is specified by the <b>associationGroupId</b> of the specified <b>AssociationReference</b> does not exist.

### 3.1.4.13.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.13.1.1

#### **BusinessDataCatalogSharedService\_DeleteAssociationReferenceFromAssociationGroup\_InputMessage**

The request WSDL message for the **DeleteAssociationReferenceFromAssociationGroup** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroup
```

The SOAP body contains the **DeleteAssociationReferenceFromAssociationGroup** element.

#### 3.1.4.13.1.2

#### **BusinessDataCatalogSharedService\_DeleteAssociationReferenceFromAssociationGroup\_OutputMessage**

The response WSDL message for the **DeleteAssociationReferenceFromAssociationGroup** WSDL operation.

The SOAP body contains the **DeleteAssociationReferenceFromAssociationGroupResponse** element.

### 3.1.4.13.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.13.2.1 DeleteAssociationReferenceFromAssociationGroup

The input data for the **DeleteAssociationReferenceFromAssociationGroup** WSDL operation.

```
<xs:element name="DeleteAssociationReferenceFromAssociationGroup">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q7="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="associationReferenceStruct" type="q7:AssociationReferenceStruct"/>
      <xs:element xmlns:q8="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q8:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



**associationReferenceStruct:** The AssociationReference.

**partitionId:** An empty GUID.

### 3.1.4.13.2.2 DeleteAssociationReferenceFromAssociationGroupResponse

The result data for the **DeleteAssociationReferenceFromAssociationGroup** WSDL operation.

```
<xs:element name="DeleteAssociationReferenceFromAssociationGroupResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.13.3 Complex Types

None.

### 3.1.4.13.4 Simple Types

None.

### 3.1.4.13.5 Attributes

None.

### 3.1.4.13.6 Groups

None.

### 3.1.4.13.7 Attribute Groups

None.

### 3.1.4.14 DeleteDefaultValueForTypeDescriptor

This operation is used to delete the DefaultValue of the specified TypeDescriptor for the specified MethodInstance.

```
<wsdl:operation name="DeleteDefaultValueForTypeDescriptor">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptor"
    message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptorResponse"
    message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptorBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_BdcExceptionStateFault_FaultMessage"/>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_MetadataExc
eptionStateFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentExc
eptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentNul
lExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentOut
OfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InvalidOper
ationExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_DeleteDefaultValueForTypeDescriptor\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_DeleteDefaultValueForTypeDescriptor\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to edit the Method containing the Parameter containing the specified TypeDescriptor.
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId for the <b>TypeDescriptor</b> or the MethodInstance is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>TypeDescriptor</b> or the specified <b>MethodInstance</b> does not exist.

### 3.1.4.14.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.14.1.1

##### **BusinessDataCatalogSharedService\_DeleteDefaultValueForTypeDescriptor\_Input Message**

The request WSDL message for the **DeleteDefaultValueForTypeDescriptor** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptor
```

The SOAP body contains the **DeleteDefaultValueForTypeDescriptor** element.

#### 3.1.4.14.1.2

##### **BusinessDataCatalogSharedService\_DeleteDefaultValueForTypeDescriptor\_Output Message**

The response WSDL message for the **DeleteDefaultValueForTypeDescriptor** WSDL operation.

The SOAP body contains the **DeleteDefaultValueForTypeDescriptorResponse** element.

### 3.1.4.14.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.14.2.1 DeleteDefaultValueForTypeDescriptor

The input data for the **DeleteDefaultValueForTypeDescriptor** WSDL operation.

```
<xs:element name="DeleteDefaultValueForTypeDescriptor">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="typeDescriptorId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="methodInstanceId" type="xs:unsignedInt"/>
      <xs:element xmlns:q55="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q55:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**typeDescriptorId:** The MetadataObjectId for the TypeDescriptor.

**methodInstanceId:** The **MetadataObjectId** for the MethodInstance.

**partitionId:** An empty GUID.

#### 3.1.4.14.2.2 DeleteDefaultValueForTypeDescriptorResponse

The result data for the **DeleteDefaultValueForTypeDescriptor** WSDL operation.

```
<xs:element name="DeleteDefaultValueForTypeDescriptorResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.14.3 Complex Types

None.

### 3.1.4.14.4 Simple Types

None.

### 3.1.4.14.5 Attributes

None.

### 3.1.4.14.6 Groups

None.

### 3.1.4.14.7 Attribute Groups

None.

### 3.1.4.15 DeleteNoCascade

This operation is used to delete the specified MetadataObject without deleting the **MetadataObjects** it references.

```
<wsdl:operation name="DeleteNoCascade">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/DeleteNoCascade"
    message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/DeleteNoCascadeResponse"
    message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/DeleteNoCascadeBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_BdcExceptionStateFault_FaultMes
    sage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/DeleteNoCascadeArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentOutOfRangeExceptionFaul
    t_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/DeleteNoCascadeInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_InvalidOperationExceptionFault_
    FaultMessage"/>
```

```

<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_MetadataExceptionStateFault_Fau
ltMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentExceptionFault_FaultMes
sage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentNullExceptionFault_Faul
tMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_DeleteNoCascade\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_DeleteNoCascade\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.2</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to modify the specified <b>MetadataObject</b> .
<b>ConcurrentModificationExceptionState</b> (section <a href="#">2.2.4.27</a> )	The specified <b>MetadataObject</b> has been updated by a context other than the one that it has been currently read by. This happens when the specified object version is not equal to the current object version of the <b>MetadataObject</b> . For example, this error can be triggered when one context reads the given <b>MetadataObject</b> , after which another context updates the same <b>MetadataObject</b> , and then the original context tries to update the same <b>MetadataObject</b> .
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	One of the following conditions is satisfied: <ul style="list-style-type: none"> <li>The operation cannot be performed because the specified <b>MetadataObject</b> is an Entity, which, if active, MUST be made not active before being deleted. An attempt was made to make the <b>Entity</b> not active, but, at the time of the attempt, the <b>Entity</b> was no longer active.</li> <li>The operation cannot be performed because the specified <b>MetadataObject</b> is a FilterDescriptor of type TimestampFilter and is currently used in a MethodInstance of type ChangedIdEnumerator or</li> </ul>

Error complex type	Condition
	DeletedIdEnumerator. <ul style="list-style-type: none"> <li>The specified <b>MetadataObject</b> is an <b>Entity</b> and it contains at least one of the following child objects: Action, Method, Identifier or AssociationGroup.</li> <li>The specified <b>MetadataObject</b> is a LobSystem and it contains at least one <b>Entity</b>.</li> <li>The specified <b>MetadataObject</b> is a <b>Method</b>, and it contains at least one of the following child objects: <b>FilterDescriptor</b>, <b>MethodInstance</b>, or Parameter.</li> <li>The specified <b>MetadataObject</b> is a <b>Parameter</b> that contains at least one TypeDescriptor.</li> <li>The operation cannot be performed because the specified <b>MetadataObject</b> is a <b>TypeDescriptor</b> and there exists at least one <b>MethodInstance</b> whose ReturnPropertyDescriptor is the specified <b>TypeDescriptor</b>.</li> <li>The specified <b>MetadataObject</b> cannot be deleted because it is either an active <b>Entity</b> or the child of an active <b>Entity</b>.</li> </ul>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>MetadataObject</b> does not exist.

Any Properties that are child objects of the specified **MetadataObject** MUST also be deleted. If the **metadataObjectStruct** element specifies any of the **MetadataObjects** in the following table, the protocol server MUST perform the corresponding actions, in addition to deleting the specified **MetadataObject** from the metadata store:

MetadataObject	Action
<b>Action</b>	Delete all the ActionParameters contained in the specified <b>Action</b> .
<b>Entity</b>	Delete all <b>Actions</b> , <b>Methods</b> , <b>Identifiers</b> , and AssociationGroups that are child objects of the specified <b>Entity</b> , as well as all their child objects, in a recursive manner.
LobSystem	Delete all LobSystemInstances that are child objects of the specified <b>LobSystem</b> .
<b>Method</b>	Delete all <b>MethodInstances</b> , FilterDescriptors and <b>Parameters</b> that are child objects of the specified <b>Method</b> , as well as all their child objects, in a recursive manner.
<b>Parameter</b>	Delete the root TypeDescriptor of the specified <b>Parameter</b> , as well as all child objects of the root <b>TypeDescriptor</b> , in a recursive manner.
<b>TypeDescriptor</b>	Delete all the <b>TypeDescriptors</b> that are child objects of the specified <b>TypeDescriptors</b> , as well as all their child objects, in a recursive manner.

### 3.1.4.15.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.15.1.1 BusinessDataCatalogSharedService\_DeleteNoCascade\_InputMessage

The request WSDL message for the **DeleteNoCascade** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascade
```

The SOAP body contains the **DeleteNoCascade** element.

#### 3.1.4.15.1.2

#### BusinessDataCatalogSharedService\_DeleteNoCascade\_OutputMessage

The response WSDL message for the **DeleteNoCascade** WSDL operation.

The SOAP body contains the **DeleteNoCascadeResponse** element.

#### 3.1.4.15.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.15.2.1 DeleteNoCascade

The input data for the **DeleteNoCascade** WSDL operation.

```
<xs:element name="DeleteNoCascade">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q87="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q87:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject which this operation MUST delete.

##### 3.1.4.15.2.2 DeleteNoCascadeResponse

The result data for the **DeleteNoCascade** WSDL operation.

```
<xs:element name="DeleteNoCascadeResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

#### 3.1.4.15.3 Complex Types

None.

#### 3.1.4.15.4 Simple Types

None.

#### 3.1.4.15.5 Attributes

None.

#### 3.1.4.15.6 Groups

None.

#### 3.1.4.15.7 Attribute Groups

None.

#### 3.1.4.16 DeleteProxyAssemblyForLobSystem

This operation is used to delete a Business Logic Module<27> associated with the specified LobSystem.

```
<wsdl:operation name="DeleteProxyAssemblyForLobSystem">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystem"
    message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemResponse"
    message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_OutputMessage"/
  >
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentNullExc
eptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentOutOfRa
ngeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_BdcExceptionSta
teFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InvalidOperatio
nExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
```



```

message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_MetadataExcepti
onStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentExcepti
onFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_DeleteProxyAssemblyForLobSystem\_InputMessage**

request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_DeleteProxyAssemblyForLobSystem\_OutputMessage**

response message, unless any one of the conditions in the following table is met. If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to edit the specified LobSystem.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>LobSystem</b> does not exist.

### 3.1.4.16.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.16.1.1

**BusinessDataCatalogSharedService\_DeleteProxyAssemblyForLobSystem\_InputM  
essage**

The request WSDL message for the **DeleteProxyAssemblyForLobSystem** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Del
eteProxyAssemblyForLobSystem

```

The SOAP body contains the **DeleteProxyAssemblyForLobSystem** element.

#### 3.1.4.16.1.2

**BusinessDataCatalogSharedService\_DeleteProxyAssemblyForLobSystem\_Output  
Message**

The response WSDL message for the **DeleteProxyAssemblyForLobSystem** WSDL operation.

The SOAP body contains the **DeleteProxyAssemblyForLobSystemResponse** element.

#### 3.1.4.16.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.16.2.1 DeleteProxyAssemblyForLobSystem

The input data for the **DeleteProxyAssemblyForLobSystem** WSDL operation.

```
<xs:element name="DeleteProxyAssemblyForLobSystem">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q111="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="lobSystemStruct" type="q111:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemStruct:** The LobSystem for which the Business Logic Module [<28>](#) will be deleted.

##### 3.1.4.16.2.2 DeleteProxyAssemblyForLobSystemResponse

The result data for the **DeleteProxyAssemblyForLobSystem** WSDL operation.

```
<xs:element name="DeleteProxyAssemblyForLobSystemResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

#### 3.1.4.16.3 Complex Types

None.

#### 3.1.4.16.4 Simple Types

None.

#### 3.1.4.16.5 Attributes

None.

#### 3.1.4.16.6 Groups

None.

#### 3.1.4.16.7 Attribute Groups

None.

#### 3.1.4.17 EntityCreate

This operation is used to create an Entity in the specified LobSystem. The operation MUST copy access control entries from the specified **LobSystem** to the created **Entity**. If a Model is specified,

the operation MUST associate the created **Entity** with the specified **Model**. Otherwise the created **Entity** is not referenced by any **Model**.

```
<wsdl:operation name="EntityCreate">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreate"
    message="tns:BusinessDataCatalogSharedService_EntityCreate_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreateResponse"
    message="tns:BusinessDataCatalogSharedService_EntityCreate_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreateArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_EntityCreate_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreateBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_EntityCreate_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_EntityCreate_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_EntityCreate_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreatePackageFormatExceptionStateFault"
    name="PackageFormatExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_EntityCreate_PackageFormatExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_EntityCreate_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreateArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_EntityCreate_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_EntityCreate\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_EntityCreate\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to modify the MetadataCatalog in which the <b>Entity</b> is to be created.
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	At least one of the following is <b>true</b> : <ul style="list-style-type: none"> <li>▪ The namespace specified for the new <b>Entity</b> is NULL or empty.</li> <li>▪ The length of the namespace specified for the new <b>Entity</b> is greater than 255 characters.</li> <li>▪ The name specified for the new <b>Entity</b> is NULL or empty.</li> <li>▪ The length of the name specified for the new <b>Entity</b> is greater than 255 characters.</li> </ul>
<b>ArgumentNullException</b> (section <a href="#">2.2.4.8</a> )	The version specified for a new <b>Entity</b> is NULL.
<b>DuplicateMetadataObjectExceptionState</b> (section <a href="#">2.2.4.30</a> )	The <b>Entity</b> with the same name, namespace, version, and partition already exists in the specified <b>LobSystem</b> .
<b>ExceededMetadataObjectLimitExceptionState</b> (section <a href="#">2.2.4.32</a> )	The specified <b>LobSystem</b> already contains the implementation-specific maximum number of <b>Entities</b> .
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified Model does not exist.

### 3.1.4.17.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.17.1.1 BusinessDataCatalogSharedService\_EntityCreate\_InputMessage

The request WSDL message for the **EntityCreate** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreate
```

The SOAP body contains the **EntityCreate** element.

#### 3.1.4.17.1.2 BusinessDataCatalogSharedService\_EntityCreate\_OutputMessage

The response WSDL message for the **EntityCreate** WSDL operation.

The SOAP body contains the **EntityCreateResponse** element.

### 3.1.4.17.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.17.2.1 EntityCreate

The input data for the **EntityCreate** WSDL operation.

```
<xs:element name="EntityCreate">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q141="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="rawValues" type="q141:EntityStruct"/>
      <xs:element xmlns:q142="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="lobSystemStruct" type="q142:LobSystemStruct"/>
      <xs:element xmlns:q143="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="modelStruct" nillable="true" type="q143:ModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**rawValues:** The Entity to be created.

**lobSystemStruct:** The LobSystem in which the **Entity** will be created.

**modelStruct:** The Model that references the created **Entity**. If the **Model** is NULL or its MetadataObjectId is 0, the protocol server MUST ignore it. Otherwise the Partition of this **Model** MUST be an empty GUID.

#### 3.1.4.17.2.2 EntityCreateResponse

The result data for the **EntityCreate** WSDL operation.

```
<xs:element name="EntityCreateResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q144="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="EntityCreateResult" type="q144:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**EntityCreateResult:** The created Entity.

### 3.1.4.17.3 Complex Types

None.

### 3.1.4.17.4 Simple Types

None.

### 3.1.4.17.5 Attributes

None.



```

edService/ExportPackageInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_ExportPackage_InvalidOperationExceptionFault_Fa
ultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ExportPackageMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ExportPackage_MetadataExceptionStateFault_Fault
Message"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ExportPackageBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ExportPackage_BdcExceptionStateFault_FaultMessa
ge"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_ExportPackage\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_ExportPackage\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section 2.2.4.3)	The security principal (2) in whose context the protocol client is operating is not authorized to export<29> the specified Model.
<b>ArgumentException</b> (section 2.2.4.7)	The "InlineProxies" value requires the "Model" value to be also specified for the <b>packageContents</b> element.
<b>ArgumentNullException</b> (section 2.2.4.8)	The specified <b>Model</b> is NULL.
<b>ArgumentOutOfRangeException</b> (section 2.2.4.9)	The MetadataObjectId of the specified <b>Model</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified <b>Model</b> or other <b>MetadataObjects</b> to be exported do not exist.

### 3.1.4.18.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.18.1.1 BusinessDataCatalogSharedService\_ExportPackage\_InputMessage

The request WSDL message for the **ExportPackage** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Exp
ortPackage

```

The SOAP body contains the **ExportPackage** element.

#### 3.1.4.18.1.2 BusinessDataCatalogSharedService\_ExportPackage\_OutputMessage

The response WSDL message for the **ExportPackage** WSDL operation.

The SOAP body contains the **ExportPackageResponse** element.

#### 3.1.4.18.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.18.2.1 ExportPackage

The input data for the **ExportPackage** WSDL operation.

```
<xs:element name="ExportPackage">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q224="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="modelStruct" type="q224:ModelStruct"/>
      <xs:element xmlns:q225="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="packageContents" type="q225:PackageContents"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**modelStruct:** The Model.

**packageContents:** Specifies what kind of data to retrieve for the specified **Model**. If the "Properties" value is specified the protocol server MUST retrieve the Properties for the corresponding MetadataObjects from the specified Setting and if "Model" value is also specified then the protocol server MUST also retrieve **Properties** from the default **Setting** that do not have the same name as the **Properties** in the specified **Setting**. If the "Properties" value is not specified the protocol server MUST ignore **Properties** in the specified MetadataModel. If the "LocalizedNames" value is specified the protocol server MUST retrieve the localized names for the corresponding **MetadataObjects** from the specified **Setting** and if "Model" value is also specified then the protocol server MUST also retrieve localized names from the default **Setting** that do not have the same LCID as the localized names in the specified **Setting**. If the "LocalizedNames" value is not specified the protocol server MUST ignore localized names in the specified **MetadataModel**. If the "Permissions" value is specified the protocol server MUST retrieve the access control entries for the corresponding **MetadataObjects** from the specified **Setting**. If there are no access control entries for the specified **Setting** for a **MetadataObject** and if "Model" value is also specified then the protocol server MUST retrieve access control entries from the default **Setting** for that **MetadataObject**. If the "Permissions" value is not specified the protocol server MUST ignore access control entries in the specified **MetadataModel**.

**settingId:** The identifier of the **Setting** to use for retrieving **Properties**, localized names and access control entries to export. If **Properties**, localized names, or access control entries are not exported, the protocol server MUST ignore the value of this element.



### 3.1.4.18.2.2 ExportPackageResponse

The result data for the **ExportPackage** WSDL operation.

```
<xs:element name="ExportPackageResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ExportPackageResult" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ExportPackageResult:** The XML representation conforming to the Business Data Connectivity Model File Format as specified in [\[MS-BDCMFFS\]](#) for the MetadataModel, containing the specified data.

### 3.1.4.18.3 Complex Types

None.

### 3.1.4.18.4 Simple Types

None.

### 3.1.4.18.5 Attributes

None.

### 3.1.4.18.6 Groups

None.

### 3.1.4.18.7 Attribute Groups

None.

### 3.1.4.19 GenerateProxyAssemblyForLobSystem

This operation is used to force the protocol server to create an implementation-specific Business Logic Module [30](#) for the specified LobSystem to connect to the line-of-business (LOB) system described by the specified **LobSystem**. If a Business Logic Module is already available for the specified **LobSystem** this operation MUST NOT create another Business Logic Module and MUST complete successfully.

```
<wsdl:operation name="GenerateProxyAssemblyForLobSystem">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GenerateProxyAssemblyForLobSystem"
    message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InputMessage"
  />
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GenerateProxyAssemblyForLobSystemResponse"
    message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_OutputMessage"
  />
</wsdl:operation>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_BdcExceptionS
tateFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentExcep
tionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentNullE
xceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentOutOf
RangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InvalidOperat
ionExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_MetadataExcep
tionStateFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GenerateProxyAssemblyForLobSystem\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GenerateProxyAssemblyForLobSystem\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal in whose context the protocol client is operating is not authorized to edit the specified LobSystem.
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the specified <b>LobSystem</b> is 0.

### 3.1.4.19.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.19.1.1

##### **BusinessDataCatalogSharedService\_GenerateProxyAssemblyForLobSystem\_InputMessage**

The request WSDL message for the **GenerateProxyAssemblyForLobSystem** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GenerateProxyAssemblyForLobSystem
```

The SOAP body contains the **GenerateProxyAssemblyForLobSystem** element.

#### 3.1.4.19.1.2

##### **BusinessDataCatalogSharedService\_GenerateProxyAssemblyForLobSystem\_OutputMessage**

The response WSDL message for the **GenerateProxyAssemblyForLobSystem** WSDL operation.

The SOAP body contains the **GenerateProxyAssemblyForLobSystemResponse** element.

### 3.1.4.19.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.19.2.1 GenerateProxyAssemblyForLobSystem

The input data for the **GenerateProxyAssemblyForLobSystem** WSDL operation.

```
<xs:element name="GenerateProxyAssemblyForLobSystem">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q110="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="lobSystemStruct" type="q110:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemStruct:** The LobSystem.

#### 3.1.4.19.2.2 GenerateProxyAssemblyForLobSystemResponse

The result data for the **GenerateProxyAssemblyForLobSystem** WSDL operation.

```
<xs:element name="GenerateProxyAssemblyForLobSystemResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.19.3 Complex Types

None.

### 3.1.4.19.4 Simple Types

None.

### 3.1.4.19.5 Attributes

None.

### 3.1.4.19.6 Groups

None.

### 3.1.4.19.7 Attribute Groups

None.

### 3.1.4.20 GetAccessControlEntries

This operation is used to retrieve the access control entries for the specified **MetadataObject** from the specified **Setting**. If there are no access control entries for the specified **MetadataObject** from the specified **Setting** and the value of the **fallback** element is "true", the protocol server **MUST** retrieve access control entries for the specified **MetadataObject** from the default **Setting**.

```
<wsdl:operation name="GetAccessControlEntries">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntries"
    message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesResponse"
    message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentNullExceptionFault_FaultMessage"/>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAccessControlEntriesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAccessControlEntriesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_BdcExceptionStateFault_
FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAccessControlEntries\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAccessControlEntries\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section 2.2.4.3)	The security principal (2) in whose context the protocol client is operating is not authorized to modify the specified <b>MetadataObject</b> .
<b>ArgumentOutOfRangeException</b> (section 2.2.4.9)	The <b>MetadataObjectId</b> of the specified <b>MetadataObject</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.20.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.20.1.1

#### **BusinessDataCatalogSharedService\_GetAccessControlEntries\_InputMessage**

The request WSDL message for the **GetAccessControlEntries** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Get
AccessControlEntries

```

The SOAP body contains the **GetAccessControlEntries** element.

#### 3.1.4.20.1.2

### BusinessDataCatalogSharedService\_GetAccessControlEntries\_OutputMessage

The response WSDL message for the **GetAccessControlEntries** WSDL operation.

The SOAP body contains the **GetAccessControlEntriesResponse** element.

#### 3.1.4.20.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.20.2.1 GetAccessControlEntries

The input data for the **GetAccessControlEntries** WSDL operation.

```
<xs:element name="GetAccessControlEntries">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q187="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q187:MetadataObjectStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="fallback" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject.

**settingId:** The Setting to return the access control entries from.

**fallback:** Specifies whether to retrieve access control entries from the default **Setting** when access control entries do not exist in the specified **Setting**.

##### 3.1.4.20.2.2 GetAccessControlEntriesResponse

The result data for the **GetAccessControlEntries** WSDL operation.

```
<xs:element name="GetAccessControlEntriesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q188="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetAccessControlEntriesResult" type="q188:ArrayOfAccessControlEntryStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAccessControlEntriesResult:** The list of access control entries.

#### 3.1.4.20.3 Complex Types

None.

#### 3.1.4.20.4 Simple Types

None.

#### 3.1.4.20.5 Attributes

None.

#### 3.1.4.20.6 Groups

None.

#### 3.1.4.20.7 Attribute Groups

None.

#### 3.1.4.21 GetActionById

This operation is used to retrieve the specified Action.

```
<wsdl:operation name="GetActionById">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetActionById"
    message="tns:BusinessDataCatalogSharedService_GetActionById_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetActionByIdResponse"
    message="tns:BusinessDataCatalogSharedService_GetActionById_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetActionByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetActionById_ArgumentNullExceptionFault_FaultM
    essage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetActionByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetActionById_BdcExceptionStateFault_FaultMessa
    ge"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetActionByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetActionById_InvalidOperationExceptionFault_Fa
    ultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetActionByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetActionById_MetadataExceptionStateFault_Fault
    Message"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetActionByIdArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetActionById_ArgumentExceptionFault_FaultMessa
    ge"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetActionByIdArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetActionById_ArgumentOutOfRangeExceptionFault_
    FaultMessage"/>
</wsdl:operation>
```

</wsdl:operation>

The protocol client sends a

**BusinessDataCatalogSharedService\_GetActionById\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetActionById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in

**Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>Action</b> does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.21.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.21.1.1 BusinessDataCatalogSharedService\_GetActionById\_InputMessage

The request WSDL message for the **GetActionById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionById
```

The SOAP body contains the **GetActionById** element.

#### 3.1.4.21.1.2 BusinessDataCatalogSharedService\_GetActionById\_OutputMessage

The response WSDL message for the **GetActionById** WSDL operation.

The SOAP body contains the **GetActionByIdResponse** element.

### 3.1.4.21.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.21.2.1 GetActionById

The input data for the **GetActionById** WSDL operation.

```
<xs:element name="GetActionById">
  <xs:complexType>
```



```

<xs:sequence>
  <xs:element minOccurs="1" maxOccurs="1" name="actionId" type="xs:unsignedInt"/>
  <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
  <xs:element xmlns:q153="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q153:guid"/>
</xs:sequence>
</xs:complexType>
</xs:element>

```

**actionId:** The MetadataObjectId of the Action.

**performErrorCheck:** The value of this element MUST be ignored if the specified **Action** exists. If the specified **Action** does not exist and value of this element is "false", the protocol server MUST set the value of the **GetActionByIdResult** element to NULL.

**partitionId:** An empty GUID.

### 3.1.4.21.2.2 GetActionByIdResponse

The result data for the **GetActionById** WSDL operation.

```

<xs:element name="GetActionByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q154="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetActionByIdResult" nillable="true" type="q154:ActionStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetActionByIdResult:** The Action.

### 3.1.4.21.3 Complex Types

None.

### 3.1.4.21.4 Simple Types

None.

### 3.1.4.21.5 Attributes

None.

### 3.1.4.21.6 Groups

None.

### 3.1.4.21.7 Attribute Groups

None.

### 3.1.4.22 GetActionParameterById

This operation is used to retrieve the specified ActionParameter.

```
<wsdl:operation name="GetActionParameterById">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterById"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_BdcExceptionStateFault_F
aultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_MetadataExceptionStateFa
ult_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_ArgumentExceptionFault_F
aultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_ArgumentNullExceptionFau
lt_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetActionParameterById\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetActionParameterById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified ActionParameter does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.22.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.22.1.1

#### **BusinessDataCatalogSharedService\_GetActionParameterById\_InputMessage**

The request WSDL message for the **GetActionParameterById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParameterById
```

The SOAP body contains the **GetActionParameterById** element.

#### 3.1.4.22.1.2

#### **BusinessDataCatalogSharedService\_GetActionParameterById\_OutputMessage**

The response WSDL message for the **GetActionParameterById** WSDL operation.

The SOAP body contains the **GetActionParameterByIdResponse** element.

### 3.1.4.22.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.22.2.1 GetActionParameterById

The input data for the **GetActionParameterById** WSDL operation.

```
<xs:element name="GetActionParameterById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="actionParameterId"
type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:q157="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q157:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**actionParameterId:** The MetadataObjectId of the ActionParameter.

**performErrorCheck:** The value of this element MUST be ignored if the specified **ActionParameter** exists. If the specified **ActionParameter** does not exist and value of this element is **false**, the protocol server MUST set the value of the **GetActionParameterByIdResult** element to NULL.

**partitionId:** An empty GUID.

#### 3.1.4.22.2 GetActionParameterByIdResponse

The result data for the **GetActionParameterById** WSDL operation.

```
<xs:element name="GetActionParameterByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q158="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetActionParameterByIdResult" nillable="true" type="q158:ActionParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetActionParameterByIdResult:** The ActionParameter.

#### 3.1.4.22.3 Complex Types

None.

#### 3.1.4.22.4 Simple Types

None.

#### 3.1.4.22.5 Attributes

None.

#### 3.1.4.22.6 Groups

None.

#### 3.1.4.22.7 Attribute Groups

None.

#### 3.1.4.23 GetActionParametersForAction

This operation is used to retrieve the ActionParameters of the specified Action.

```
<wsdl:operation name="GetActionParametersForAction">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForAction"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionResponse"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```

```

edService/GetActionParametersForActionArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_BdcExceptionStateF
ault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_InvalidOperationEx
ceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_MetadataExceptionS
tateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentExceptionF
ault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentNullExcept
ionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetActionParametersForAction\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetActionParametersForAction\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0. <a href="#">&lt;31&gt;</a>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>Action</b> does not exist. <a href="#">&lt;32&gt;</a>

### 3.1.4.23.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.23.1.1

##### **BusinessDataCatalogSharedService\_GetActionParametersForAction\_InputMessage**

The request WSDL message for the **GetActionParametersForAction** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParametersForAction
```

The SOAP body contains the **GetActionParametersForAction** element.

#### 3.1.4.23.1.2

##### **BusinessDataCatalogSharedService\_GetActionParametersForAction\_OutputMessage**

The response WSDL message for the **GetActionParametersForAction** WSDL operation.

The SOAP body contains the **GetActionParametersForActionResponse** element.

#### 3.1.4.23.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.23.2.1 **GetActionParametersForAction**

The input data for the **GetActionParametersForAction** WSDL operation.

```
<xs:element name="GetActionParametersForAction">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="actionId" type="xs:unsignedInt"/>
      <xs:element xmlns:q159="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q159:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**actionId:** The MetadataObjectId of the Action.

**partitionId:** An empty GUID.

##### 3.1.4.23.2.2 **GetActionParametersForActionResponse**

The result data for the **GetActionParametersForAction** WSDL operation.

```
<xs:element name="GetActionParametersForActionResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q160="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetActionParametersForActionResult" type="q160:ArrayOfActionParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
```

```
</xs:element>
```

**GetActionParametersForActionResult:** The list of ActionParameters that are contained by the specified Action.

### 3.1.4.23.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.23.3.1 ArrayOfActionParameterStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfActionParameterStruct** complex type contains a list of ActionParameters.

```
<xs:complexType name="ArrayOfActionParameterStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ActionParameterStruct"
      nillable="true" type="tns:ActionParameterStruct"/>
  </xs:sequence>
</xs:complexType>
```

**ActionParameterStruct:** An ActionParameter of an Action.

#### 3.1.4.23.4 Simple Types

None.

#### 3.1.4.23.5 Attributes

None.

#### 3.1.4.23.6 Groups

None.

#### 3.1.4.23.7 Attribute Groups

None.

### 3.1.4.24 GetActionsForEntity

This operation is used to retrieve the Actions of the specified Entity.

```
<wsdl:operation name="GetActionsForEntity">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionsForEntity"
    message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionsForEntityResponse"
    message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_OutputMessage"/>
</wsdl:operation>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_InvalidOperationExceptionFa
ult_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_BdcExceptionStateFault_Faul
tMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentOutOfRangeException
Fault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_MetadataExceptionStateFault
_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentExceptionFault_Faul
tMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentNullExceptionFault_
FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetActionsForEntity\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetActionsForEntity\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section 2.2.4.9)	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified <b>Entity</b> does not exist. <33>

### 3.1.4.24.1 Messages

The following WSDL message definitions are specific to this operation.



#### 3.1.4.24.1.1

##### **BusinessDataCatalogSharedService\_GetActionsForEntity\_InputMessage**

The request WSDL message for the **GetActionsForEntity** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionsForEntity
```

The SOAP body contains the **GetActionsForEntity** element.

#### 3.1.4.24.1.2

##### **BusinessDataCatalogSharedService\_GetActionsForEntity\_OutputMessage**

The response WSDL message for the **GetActionsForEntity** WSDL operation.

The SOAP body contains the **GetActionsForEntityResponse** element.

#### 3.1.4.24.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.24.2.1 **GetActionsForEntity**

The input data for the **GetActionsForEntity** WSDL operation.

```
<xs:element name="GetActionsForEntity">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt"/>
      <xs:element xmlns:q155="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q155:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityId:** The MetadataObjectId of the Entity.

**partitionId:** An empty GUID.

##### 3.1.4.24.2.2 **GetActionsForEntityResponse**

The result data for the **GetActionsForEntity** WSDL operation.

```
<xs:element name="GetActionsForEntityResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q156="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetActionsForEntityResult" type="q156:ArrayOfActionStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetActionsForEntityResult:** The list of Actions that are contained by the specified Entity.

### 3.1.4.24.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.24.3.1 ArrayOfActionStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfActionStruct** complex type contains a list of Actions.

```
<xs:complexType name="ArrayOfActionStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ActionStruct" nillable="true"
      type="tns:ActionStruct"/>
  </xs:sequence>
</xs:complexType>
```

**ActionStruct:** An **Action** of an Entity.

#### 3.1.4.24.4 Simple Types

None.

#### 3.1.4.24.5 Attributes

None.

#### 3.1.4.24.6 Groups

None.

#### 3.1.4.24.7 Attribute Groups

None.

### 3.1.4.25 GetAllLocalizedNames

This operation is used to retrieve all localized names of the specified MetadataObject.

```
<wsdl:operation name="GetAllLocalizedNames">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNames"
    message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesResponse"
    message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_BdcExceptionStateFault_Fau
ltMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_MetadataExceptionStateFau
lt_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentExceptionFault_Fau
ltMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAllLocalizedNames\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAllLocalizedNames\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section 2.2.4.9)	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified <b>MetadataObject</b> does not exist. <34>

### 3.1.4.25.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.25.1.1

#### **BusinessDataCatalogSharedService\_GetAllLocalizedNames\_InputMessage**

The request WSDL message for the **GetAllLocalizedNames** WSDL operation.

The SOAP action value is:

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNames

The SOAP body contains the **GetAllLocalizedNames** element.

### 3.1.4.25.1.2

#### **BusinessDataCatalogSharedService\_GetAllLocalizedNames\_OutputMessage**

The response WSDL message for the **GetAllLocalizedNames** WSDL operation.

The SOAP body contains the **GetAllLocalizedNamesResponse** element.

### 3.1.4.25.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.25.2.1 GetAllLocalizedNames

The input data for the **GetAllLocalizedNames** WSDL operation.

```
<xs:element name="GetAllLocalizedNames">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="metadataObjectId" type="xs:unsignedInt"/>
      <xs:element xmlns:q174="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q174:guid"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="merged" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectId:** The MetadataObjectId of the MetadataObject.

**partitionId:** An empty GUID.

**settingId:** The Setting to return the localized names from.

**merged:** A value which specifies whether the default **Setting** is to be considered in the operation in the case where **settingId** parameter is not NULL. The value MUST in the following table.

Value	Description
True	The protocol server MUST include the localized names from the default <b>Setting</b> and the specified <b>Setting</b> . If a localized name for a given LCID exists for both the default <b>Setting</b> and the specified <b>Setting</b> , only the localized name from the specified <b>Setting</b> MUST be returned.
False	The protocol server MUST return the localized names only for the specified <b>Setting</b> .

#### 3.1.4.25.2.2 GetAllLocalizedNamesResponse

The result data for the **GetAllLocalizedNames** WSDL operation.

```

<xs:element name="GetAllLocalizedNamesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q175="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetAllLocalizedNamesResult" type="q175:ArrayOfLocalizedNameStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetAllLocalizedNamesResult:** The list of localized names of the specified MetadataObject.

### 3.1.4.25.3 Complex Types

None.

### 3.1.4.25.4 Simple Types

None.

### 3.1.4.25.5 Attributes

None.

### 3.1.4.25.6 Groups

None.

### 3.1.4.25.7 Attribute Groups

None.

### 3.1.4.26 GetAllLocalizedNamesForMetadataObjectStruct

This operation is used to retrieve all the localized names of the specified MetadataObject for the specified Setting.

```

<wsdl:operation name="GetAllLocalizedNamesForMetadataObjectStruct">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStruct"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Inp
utMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructResponse"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Out
putMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Arg
umentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructMetadataExceptionStateFault"
name="MetadataExceptionStateFault"

```

```

message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesForMetadataObjectStructArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesForMetadataObjectStructArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesForMetadataObjectStructBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesForMetadataObjectStructInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_InvalidOperationExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetAllLocalizedNamesForMetadataObject\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAllLocalizedNamesForMetadataObject\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the specified <b>MetadataObject</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>MetadataObject</b> does not exist. <a href="#">&lt;35&gt;</a>

### 3.1.4.26.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.26.1.1

**BusinessDataCatalogSharedService\_GetAllLocalizedNamesForMetadataObjectStruct\_InputMessage**

The request WSDL message for the **GetAllLocalizedNamesForMetadataObjectStruct** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesForMetadataObjectStruct
```

The SOAP body contains the **GetAllLocalizedNamesForMetadataObjectStruct** element.

### 3.1.4.26.1.2

#### **BusinessDataCatalogSharedService\_GetAllLocalizedNamesForMetadataObjectStruct\_OutputMessage**

The response WSDL message for the **GetAllLocalizedNamesForMetadataObjectStruct** WSDL operation.

The SOAP body contains the **GetAllLocalizedNamesForMetadataObjectStructResponse** element.

### 3.1.4.26.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.26.2.1 GetAllLocalizedNamesForMetadataObjectStruct

The input data for the **GetAllLocalizedNamesForMetadataObjectStruct** WSDL operation.

```
<xs:element name="GetAllLocalizedNamesForMetadataObjectStruct">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q172="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q172:MetadataObjectStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="merged" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject for which the operation will return the localized names.

**settingId:** The Setting from which to return the localized names.

**merged:** A value which specifies whether the default **Setting** is to be considered in the operation in the case where **settingId** parameter is not NULL. The value **MUST** be in the following table.

Value	Description
True	The protocol server <b>MUST</b> include a localized name from the default <b>Setting</b> in the case where a localized name with the same LCID does not exist for the specified <b>Setting</b> .
False	The protocol server <b>MUST</b> return the localized names only for the specified <b>Setting</b> .

### 3.1.4.26.2.2 GetAllLocalizedNamesForMetadataObjectStructResponse

The result data for the **GetAllLocalizedNamesForMetadataObjectStruct** WSDL operation.

```
<xs:element name="GetAllLocalizedNamesForMetadataObjectStructResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q173="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetAllLocalizedNamesForMetadataObjectStructResult"
type="q173:ArrayOfLocalizedNameStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAllLocalizedNamesForMetadataObjectStructResult:** The list of localized names of the specified MetadataObject.

### 3.1.4.26.3 Complex Types

None.

### 3.1.4.26.4 Simple Types

None.

### 3.1.4.26.5 Attributes

None.

### 3.1.4.26.6 Groups

None.

### 3.1.4.26.7 Attribute Groups

None.

### 3.1.4.27 GetAllPartitionIds

This operation is deprecated from the protocol and MUST NOT be called.

```
<wsdl:operation name="GetAllPartitionIds">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIds"
message="tns:BusinessDataCatalogSharedService_GetAllPartitionIds_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsResponse"
message="tns:BusinessDataCatalogSharedService_GetAllPartitionIds_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllPartitionIds_AccessDeniedExceptionFault_F
aultMessage"/>
```



```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllPartitionIds_InvalidOperationExceptionFau
lt_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllPartitionIds_MetadataExceptionStateFault_
FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllPartitionIds_BdcExceptionStateFault_Fault
Message"/>
</wsdl:operation>

```

### 3.1.4.27.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.27.1.1

#### **BusinessDataCatalogSharedService\_GetAllPartitionIds\_InputMessage**

The request WSDL message for the **GetAllPartitionIds** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Get
AllPartitionIds

```

The SOAP body contains the **GetAllPartitionIds** element.

#### 3.1.4.27.1.2

#### **BusinessDataCatalogSharedService\_GetAllPartitionIds\_OutputMessage**

The response WSDL message for the **GetAllPartitionIds** WSDL operation.

The SOAP body contains the **GetAllPartitionIdsResponse** element.

### 3.1.4.27.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.27.2.1 GetAllPartitionIds

The input data for the **GetAllPartitionIds** WSDL operation.

```

<xs:element name="GetAllPartitionIds">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>

```

### 3.1.4.27.2.2 GetAllPartitionIdsResponse

The result data for the **GetAllPartitionIds** WSDL operation.

```
<xs:element name="GetAllPartitionIdsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q162="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="1" maxOccurs="1" name="GetAllPartitionIdsResult" type="q162:ArrayOfguid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAllPartitionIdsResult:**

### 3.1.4.27.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.27.3.1 ArrayOfguid

**Namespace:** http://schemas.microsoft.com/2003/10/Serialization/Arrays

```
<xs:complexType name="ArrayOfguid">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="guid" type="ser:guid"/>
  </xs:sequence>
</xs:complexType>
```

**guid:**

#### 3.1.4.27.4 Simple Types

None.

#### 3.1.4.27.5 Attributes

None.

#### 3.1.4.27.6 Groups

None.

#### 3.1.4.27.7 Attribute Groups

None.

### 3.1.4.28 GetAllProperties

This operation is used to retrieve all the Properties of the specified MetadataObject and the specified Setting.

```
<wsdl:operation name="GetAllProperties">
```

```

    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllProperties"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_InputMessage"/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesResponse"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_OutputMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_BdcExceptionStateFault_FaultMe
ssage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_ArgumentExceptionFault_FaultMe
ssage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_ArgumentNullExceptionFault_Fau
ltMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_ArgumentOutOfRangeExceptionFau
lt_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_InvalidOperationExceptionFault
_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_MetadataExceptionStateFault_Fa
ultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetAllProperties\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetAllProperties\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to modify the specified <b>MetadataObject</b> , and the specified <b>MetadataObject</b> is a LobSystem or LobSystemInstance.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.28.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.28.1.1 BusinessDataCatalogSharedService\_GetAllProperties\_InputMessage

The request WSDL message for the **GetAllProperties** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllProperties
```

The SOAP body contains the **GetAllProperties** element.

#### 3.1.4.28.1.2 BusinessDataCatalogSharedService\_GetAllProperties\_OutputMessage

The response WSDL message for the **GetAllProperties** WSDL operation.

The SOAP body contains the **GetAllPropertiesResponse** element.

### 3.1.4.28.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.28.2.1 GetAllProperties

The input data for the **GetAllProperties** WSDL operation.

```
<xs:element name="GetAllProperties">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="metadataObjectId" type="xs:unsignedInt"/>
      <xs:element xmlns:q178="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q178:guid"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="merged" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectId:** The MetadataObjectId for the MetadataObject.

**partitionId:** An empty GUID.

**settingId:** The Setting to return the Properties from.

**merged:** A flag which MUST be ignored if no **Setting** is specified. If a **Setting** is specified, the value of this element MUST be **true** for the **Properties** in the default **Setting** to be returned in addition to the properties in the specified **Setting**; otherwise, the value MUST be **false**. If the value is **true**, a **Setting** is specified and a **Property** with the same name is found in both the specified **Setting** and the default **Setting**. In this case, the **Property** from the specified **Setting** MUST be retrieved and the **Property** from the default **Setting** MUST be ignored.

#### 3.1.4.28.2.2 GetAllPropertiesResponse

The result data for the **GetAllProperties** WSDL operation.

```
<xs:element name="GetAllPropertiesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q179="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetAllPropertiesResult" type="q179:ArrayOfPropertyStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAllPropertiesResult:** The list of **Properties**.

#### 3.1.4.28.3 Complex Types

None.

#### 3.1.4.28.4 Simple Types

None.

#### 3.1.4.28.5 Attributes

None.

#### 3.1.4.28.6 Groups

None.

#### 3.1.4.28.7 Attribute Groups

None.

#### 3.1.4.29 GetAllPropertiesForMetadataObjectStruct

This operation is used to retrieve all the Properties of the specified MetadataObject from the specified Setting.

```
<wsdl:operation name="GetAllPropertiesForMetadataObjectStruct">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesForMetadataObjectStruct"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InputMe
ssage"/>
```

```

    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesForMetadataObjectStructResponse"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_OutputM
essage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesForMetadataObjectStructArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_Argumen
tOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesForMetadataObjectStructBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_BdcExce
ptionStateFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesForMetadataObjectStructInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_Invalid
OperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesForMetadataObjectStructMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_Metadat
aExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesForMetadataObjectStructArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_Argumen
tExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesForMetadataObjectStructArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_Argumen
tNullExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAllPropertiesForMetadataObjectStruct\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAllPropertiesForMetadataObjectStruct\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to modify the specified <b>MetadataObject</b> , and the specified <b>MetadataObject</b> is a <b>LobSystem</b> or

Error complex type	Condition
	LobSystemInstance.
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the specified <b>MetadataObject</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.29.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.29.1.1

#### **BusinessDataCatalogSharedService\_GetAllPropertiesForMetadataObjectStruct\_InputMessage**

The request WSDL message for the **GetAllPropertiesForMetadataObjectStruct** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStruct
```

The SOAP body contains the **GetAllPropertiesForMetadataObjectStruct** element.

#### 3.1.4.29.1.2

#### **BusinessDataCatalogSharedService\_GetAllPropertiesForMetadataObjectStruct\_OutputMessage**

The response WSDL message for the **GetAllPropertiesForMetadataObjectStruct** WSDL operation.

The SOAP body contains the **GetAllPropertiesForMetadataObjectStructResponse** element.

### 3.1.4.29.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.29.2.1 GetAllPropertiesForMetadataObjectStruct

The input data for the **GetAllPropertiesForMetadataObjectStruct** WSDL operation.

```
<xs:element name="GetAllPropertiesForMetadataObjectStruct">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q176="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q176:MetadataObjectStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="merged" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
```

```
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition of this **MetadataObject** MUST be an empty GUID.

**settingId:** The Setting to return the Properties from.

**merged:** A flag which MUST be ignored if no **Setting** is specified. If a **Setting** is specified, the value of this element MUST be **true** for the **Properties** in the default **Setting** to be returned in addition to the properties in the specified **Setting**; otherwise, the value MUST be **false**. If the value is **true**, a **Setting** is specified and a **Property** with the same name is found in both the specified **Setting** and the default **Setting**. In this case, the **Property** from the specified **Setting** MUST be retrieved and the Property from the default **Setting** MUST be ignored.

#### 3.1.4.29.2.2 GetAllPropertiesForMetadataObjectStructResponse

The result data for the **GetAllPropertiesForMetadataObjectStruct** WSDL operation.

```
<xs:element name="GetAllPropertiesForMetadataObjectStructResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q177="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetAllPropertiesForMetadataObjectStructResult" type="q177:ArrayOfPropertyStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAllPropertiesForMetadataObjectStructResult:** The list of Properties.

#### 3.1.4.29.3 Complex Types

None.

#### 3.1.4.29.4 Simple Types

None.

#### 3.1.4.29.5 Attributes

None.

#### 3.1.4.29.6 Groups

None.

#### 3.1.4.29.7 Attribute Groups

None.

#### 3.1.4.30 GetAssociationById

This operation is used to retrieve the Association with the specified MetadataObjectId.



```

<wsdl:operation name="GetAssociationById">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationById"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_MetadataExceptionStateFault_
FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_ArgumentExceptionFault_Fault
Message"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_ArgumentNullExceptionFault_F
aultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_ArgumentOutOfRangeExceptionF
ault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_BdcExceptionStateFault_Fault
Message"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_InvalidOperationExceptionFau
lt_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.

Error complex type	Condition
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	An <b>Association</b> with the specified <b>MetadataObjectId</b> does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.30.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.30.1.1

#### **BusinessDataCatalogSharedService\_GetAssociationById\_InputMessage**

The request WSDL message for the **GetAssociationById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationById
```

The SOAP body contains the **GetAssociationById** element.

#### 3.1.4.30.1.2

#### **BusinessDataCatalogSharedService\_GetAssociationById\_OutputMessage**

The response WSDL message for the **GetAssociationById** WSDL operation.

The SOAP body contains the **GetAssociationByIdResponse** element.

### 3.1.4.30.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.30.2.1 GetAssociationById

The input data for the **GetAssociationById** WSDL operation.

```
<xs:element name="GetAssociationById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="associationId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:q71="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q71:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**associationId:** The MetadataObjectId of the Association.

**performErrorCheck:** The value of this element MUST be ignored if an **Association** with the specified **MetadataObjectId** exists. If an **Association** with the specified **MetadataObjectId** does not exist and the value of this element is **false**, the protocol server MUST set the value of the **GetAssociationByIdResult** element to NULL.

**partitionId:** An empty GUID.

### 3.1.4.30.2.2 GetAssociationByIdResponse

The result data for the **GetAssociationById** WSDL operation.

```
<xs:element name="GetAssociationByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q72="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetAssociationByIdResult" nillable="true" type="q72:AssociationStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAssociationByIdResult:** The Association.

### 3.1.4.30.3 Complex Types

None.

### 3.1.4.30.4 Simple Types

None.

### 3.1.4.30.5 Attributes

None.

### 3.1.4.30.6 Groups

None.

### 3.1.4.30.7 Attribute Groups

None.

## 3.1.4.31 GetAssociationGroupById

This operation is used to retrieve the AssociationGroup with the specified MetadataObjectId.

```
<wsdl:operation name="GetAssociationGroupById">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupById"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupById_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupById_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupById_MetadataExceptionStateF
ault_FaultMessage"/>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupById_ArgumentNullExceptionFa
ult_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupById_ArgumentOutOfRangeExcep
tionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupById_BdcExceptionStateFault_
FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupById_InvalidOperationExcepi
onFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupById_ArgumentExceptionFault_
FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationGroupById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationGroupById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section 2.2.4.9)	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	An AssociationGroup with the specified <b>MetadataObjectId</b> does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.31.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.31.1.1

##### **BusinessDataCatalogSharedService\_GetAssociationGroupById\_InputMessage**

The request WSDL message for the **GetAssociationGroupById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationGroupById
```

The SOAP body contains the **GetAssociationGroupById** element.

#### 3.1.4.31.1.2

##### **BusinessDataCatalogSharedService\_GetAssociationGroupById\_OutputMessage**

The response WSDL message for the **GetAssociationGroupById** WSDL operation.

The SOAP body contains the **GetAssociationGroupByIdResponse** element.

#### 3.1.4.31.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.31.2.1 **GetAssociationGroupById**

The input data for the **GetAssociationGroupById** WSDL operation.

```
<xs:element name="GetAssociationGroupById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="associationGroupId"
type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:q81="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q81:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**associationGroupId:** The MetadataObjectId for the AssociationGroup.

**performErrorCheck:** The value of this element MUST be ignored if an **AssociationGroup** with the specified **MetadataObjectId** exists. If and **AssociationGroup** with the specified **MetadataObjectId** does not exist and the value of this element is **false**, the protocol server MUST set the value of the **GetAssociationGroupByIdResult** element to NULL.

**partitionId:** An empty GUID.

##### 3.1.4.31.2.2 **GetAssociationGroupByIdResponse**

The result data for the **GetAssociationGroupById** WSDL operation.

```
<xs:element name="GetAssociationGroupByIdResponse">
  <xs:complexType>
```

```

    <xs:sequence>
      <xs:element xmlns:q82="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetAssociationGroupByIdResult" nillable="true" type="q82:AssociationGroupStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetAssociationGroupByIdResult:** The AssociationGroup.

### 3.1.4.31.3 Complex Types

None.

### 3.1.4.31.4 Simple Types

None.

### 3.1.4.31.5 Attributes

None.

### 3.1.4.31.6 Groups

None.

### 3.1.4.31.7 Attribute Groups

None.

## 3.1.4.32 GetAssociationGroupsForEntity

This operation is used to retrieve the AssociationGroups of the Entity with the specified MetadataObjectId.

```

<wsdl:operation name="GetAssociationGroupsForEntity">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntity"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityResponse"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_BdcExceptionState
Fault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InvalidOperationE
xceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityArgumentExceptionFault" name="ArgumentExceptionFault"

```

```

message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentException
Fault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentNullExcep
tionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentOutOfRang
eExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_MetadataException
StateFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationGroupsForEntity\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationGroupsForEntity\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified <b>MetadataObjectId</b> is 0. <a href="#">&lt;36&gt;</a>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	An Entity with the specified MetadataObjectId does not exist. <a href="#">&lt;37&gt;</a>

### 3.1.4.32.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.32.1.1

#### **BusinessDataCatalogSharedService\_GetAssociationGroupsForEntity\_InputMessage**

The request WSDL message for the **GetAssociationGroupsForEntity** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Get
AssociationGroupsForEntity

```

The SOAP body contains the **GetAssociationGroupsForEntity** element.

#### 3.1.4.32.1.2

### **BusinessDataCatalogSharedService\_GetAssociationGroupsForEntity\_OutputMessage**

The response WSDL message for the **GetAssociationGroupsForEntity** WSDL operation.

The SOAP body contains the **GetAssociationGroupsForEntityResponse** element.

#### 3.1.4.32.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.32.2.1 GetAssociationGroupsForEntity

The input data for the **GetAssociationGroupsForEntity** WSDL operation.

```
<xs:element name="GetAssociationGroupsForEntity">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt"/>
      <xs:element xmlns:q83="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q83:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityId:** The MetadataObjectId for the Entity.

**partitionId:** The empty GUID.

##### 3.1.4.32.2.2 GetAssociationGroupsForEntityResponse

The result data for the **GetAssociationGroupsForEntity** WSDL operation.

```
<xs:element name="GetAssociationGroupsForEntityResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q84="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetAssociationGroupsForEntityResult" type="q84:ArrayOfAssociationGroupStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAssociationGroupsForEntityResult:** The list of AssociationGroups.

#### 3.1.4.32.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

##### 3.1.4.32.3.1 ArrayOfAssociationGroupStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfAssociationGroupStruct** complex type contains a list of AssociationGroups.



```

<xs:complexType name="ArrayOfAssociationGroupStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationGroupStruct"
      nillable="true" type="tns:AssociationGroupStruct"/>
  </xs:sequence>
</xs:complexType>

```

**AssociationGroupStruct:** An **AssociationGroup**.

#### 3.1.4.32.4 Simple Types

None.

#### 3.1.4.32.5 Attributes

None.

#### 3.1.4.32.6 Groups

None.

#### 3.1.4.32.7 Attribute Groups

None.

#### 3.1.4.33 GetAssociationMembersInRole

This operation is used to retrieve the source or destination Entities of the specified Association.

```

<wsdl:operation name="GetAssociationMembersInRole">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationMembersInRole"
    message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationMembersInRoleResponse"
    message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationMembersInRoleArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentExceptionFa
    ult_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationMembersInRoleMetadataExceptionFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_MetadataExceptionSt
    ateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationMembersInRoleArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentNullExcepti
    onFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationMembersInRoleArgumentOutOfRangeExceptionFault"

```

```

name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationMembersInRoleBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_BdcExceptionStateFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationMembersInRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_InvalidOperationExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationMembersInRole\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationMembersInRole\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section 2.2.4.9)	The specified <b>MetadataObjectId</b> is set to zero, or the value of the <b>role</b> parameter is not zero or 1.
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified <b>Association</b> does not exist, or does not refer to any <b>Entities</b> .

### 3.1.4.33.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.33.1.1

#### **BusinessDataCatalogSharedService\_GetAssociationMembersInRole\_InputMessage**

The request WSDL message for the **GetAssociationMembersInRole** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationMembersInRole

```

The SOAP body contains the **GetAssociationMembersInRole** element.

### 3.1.4.33.1.2

#### **BusinessDataCatalogSharedService\_GetAssociationMembersInRole\_OutputMessage**

The response WSDL message for the **GetAssociationMembersInRole** WSDL operation.

The SOAP body contains the **GetAssociationMembersInRoleResponse** element.

### 3.1.4.33.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.33.2.1 **GetAssociationMembersInRole**

The input data for the **GetAssociationMembersInRole** WSDL operation.

```
<xs:element name="GetAssociationMembersInRole">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="associationId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="role" type="xs:unsignedByte"/>
      <xs:element xmlns:q79="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q79:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**associationId:** The MetadataObjectId for the Association.

**role:** A bit that specifies whether to return source or destination Entities from the Association. The following table describes possible values.

Value	Description
0	Only source <b>Entities</b> are returned.
1	Only destination <b>Entities</b> are returned.

**partitionId:** An empty GUID.

#### 3.1.4.33.2.2 **GetAssociationMembersInRoleResponse**

The result data for the **GetAssociationMembersInRole** WSDL operation.

```
<xs:element name="GetAssociationMembersInRoleResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q80="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetAssociationMembersInRoleResult" type="q80:ArrayOfAssociationMemberStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAssociationMembersInRoleResult:** The list of source or destination Entities.

### 3.1.4.33.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.33.3.1 ArrayOfAssociationMemberStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfAssociationMemberStruct** complex type contains a list of relationships between Entities and Associations.

```
<xs:complexType name="ArrayOfAssociationMemberStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationMemberStruct"
      nillable="true" type="tns:AssociationMemberStruct"/>
  </xs:sequence>
</xs:complexType>
```

**AssociationMemberStruct:** Contains information about the relationship between an Entity and an Association.

#### 3.1.4.33.3.2 AssociationMemberStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **AssociationMemberStruct** complex type contains information about the relationship between an Entity and an Association.

```
<xs:complexType name="AssociationMemberStruct">
  <xs:sequence>
    <xs:element minOccurs="0" name="_entityName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="_entityNamespace" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="partitionId" type="ser:guid"/>
    <xs:element minOccurs="0" name="role" type="xs:unsignedByte"/>
  </xs:sequence>
</xs:complexType>
```

**\_entityName:** The name of the **Entity** that is referenced by the **Association**. If the **Entity** is active the value MUST be NULL. Otherwise, the value MUST have at least 1, at most 255 Unicode characters.

**\_entityNamespace:** The namespace of the **Entity** that is referenced by the **Association**. If the Entity is active the value MUST be NULL. Otherwise, the value MUST have at least 1, at most 255 Unicode characters.

**associationId:** The MetadataObjectId of the **Association** referencing the **Entity**. The value of this element MUST be in [1, 0x7fffffff] range.

**entityId:** The **MetadataObjectId** of the **Entity** that is referenced by the **Association**. If the **Entity** is active, the value MUST be in [1, 0x7fffffff] range. Otherwise, the value MUST be 0.

**partitionId:** An empty GUID.

**role:** Specifies whether the **Entity** is a source or the destination of the **Association**. The value of this element **MUST** be present in the following table.

Value	Description
0	The <b>Entity</b> is a source of the <b>Association</b> .
1	The <b>Entity</b> is the destination of the <b>Association</b> .

#### 3.1.4.33.4 Simple Types

None.

#### 3.1.4.33.5 Attributes

None.

#### 3.1.4.33.6 Groups

None.

#### 3.1.4.33.7 Attribute Groups

None.

#### 3.1.4.34 GetAssociationReferencesForAssociationGroup

This operation is used to retrieve the AssociationReferences contained by the specified AssociationGroup.

```
<wsdl:operation name="GetAssociationReferencesForAssociationGroup">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationReferencesForAssociationGroup"
    message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationReferencesForAssociationGroupResponse"
    message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationReferencesForAssociationGroupArgumentExceptionFault"
    name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationReferencesForAssociationGroupMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationReferencesForAssociationGroupArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"/>
```

```

message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationReferencesForAssociationGroupArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationReferencesForAssociationGroupBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationReferencesForAssociationGroupInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_InvalidOperationExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationReferencesForAssociationGroup\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationReferencesForAssociationGroup\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified AssociationGroup does not exist. <a href="#">&lt;38&gt;</a>

### 3.1.4.34.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.34.1.1

#### **BusinessDataCatalogSharedService\_GetAssociationReferencesForAssociationGroup\_InputMessage**

The request WSDL message for the **GetAssociationReferencesForAssociationGroup** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationReferencesForAssociationGroup

```

The SOAP body contains the **GetAssociationReferencesForAssociationGroup** element.

#### 3.1.4.34.1.2

### **BusinessDataCatalogSharedService\_GetAssociationReferencesForAssociationGroup\_OutputMessage**

The response WSDL message for the **GetAssociationReferencesForAssociationGroup** WSDL operation.

The SOAP body contains the **GetAssociationReferencesForAssociationGroupResponse** element.

#### 3.1.4.34.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.34.2.1 GetAssociationReferencesForAssociationGroup

The input data for the **GetAssociationReferencesForAssociationGroup** WSDL operation.

```
<xs:element name="GetAssociationReferencesForAssociationGroup">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="associationGroupId"
type="xs:unsignedInt"/>
      <xs:element xmlns:q1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q1:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**associationGroupId:** The MetadataObjectId for the AssociationGroup.

**partitionId:** An empty GUID.

##### 3.1.4.34.2.2 GetAssociationReferencesForAssociationGroupResponse

The result data for the **GetAssociationReferencesForAssociationGroup** WSDL operation.

```
<xs:element name="GetAssociationReferencesForAssociationGroupResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q2="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetAssociationReferencesForAssociationGroupResult"
type="q2:ArrayOfAssociationReferenceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAssociationReferencesForAssociationGroupResult:** The list of AssociationReferences. The Partition of each **AssociationReference** in the list MUST be an empty GUID.

#### 3.1.4.34.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

### 3.1.4.34.3.1 ArrayOfAssociationReferenceStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfAssociationReferenceStruct** complex type a list of AssociationReferences.

```
<xs:complexType name="ArrayOfAssociationReferenceStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationReferenceStruct"
      nillable="true" type="tns:AssociationReferenceStruct"/>
  </xs:sequence>
</xs:complexType>
```

**AssociationReferenceStruct:** An AssociationReference.

### 3.1.4.34.4 Simple Types

None.

### 3.1.4.34.5 Attributes

None.

### 3.1.4.34.6 Groups

None.

### 3.1.4.34.7 Attribute Groups

None.

### 3.1.4.35 GetAssociationsForDataClass

This operation is used to retrieve the Associations that are contained by the specified DataClass.

```
<wsdl:operation name="GetAssociationsForDataClass">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForDataClass"
    message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForDataClassResponse"
    message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForDataClassMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_MetadataExceptionSt
    ateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForDataClassBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_BdcExceptionStateFa
    ult_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```



```

edService/GetAssociationsForDataClassArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForDataClassInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForDataClassArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForDataClassArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetAssociationsForDataClass\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationsForDataClass\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section 2.2.4.9)	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified <b>DataClass</b> does not exist. <39>

### 3.1.4.35.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.35.1.1

#### **BusinessDataCatalogSharedService\_GetAssociationsForDataClass\_InputMessage**

The request WSDL message for the **GetAssociationsForDataClass** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForDataClass

```

The SOAP body contains the **GetAssociationsForDataClass** element.

### 3.1.4.35.1.2

#### **BusinessDataCatalogSharedService\_GetAssociationsForDataClass\_OutputMessage**

The response WSDL message for the **GetAssociationsForDataClass** WSDL operation.

The SOAP body contains the **GetAssociationsForDataClassResponse** element.

### 3.1.4.35.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.35.2.1 **GetAssociationsForDataClass**

The input data for the **GetAssociationsForDataClass** WSDL operation.

```
<xs:element name="GetAssociationsForDataClass">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="dataClassId" type="xs:unsignedInt"/>
      <xs:element xmlns:q75="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q75:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**dataClassId:** The MetadataObjectId of the DataClass. The value of this element MUST be in [1, 0x7fffffff] range.

**partitionId:** An empty GUID.

#### 3.1.4.35.2.2 **GetAssociationsForDataClassResponse**

The result data for the **GetAssociationsForDataClass** WSDL operation.

```
<xs:element name="GetAssociationsForDataClassResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q76="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetAssociationsForDataClassResult" type="q76:ArrayOfAssociationStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAssociationsForDataClassResult:** The list of Associations.

### 3.1.4.35.3 Complex Types

None.

### 3.1.4.35.4 Simple Types

None.

### 3.1.4.35.5 Attributes

None.

### 3.1.4.35.6 Groups

None.

### 3.1.4.35.7 Attribute Groups

None.

### 3.1.4.36 GetAssociationsForEntityAndRole

This operation is used to retrieve the Associations that references the specified Entity as **Association** source or **Association** destination.

```
<wsdl:operation name="GetAssociationsForEntityAndRole">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRole"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleResponse"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_OutputMessage"/
>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_MetadataExcepti
onStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentExcepti
onFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentNullExc
eptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentOutOfRa
ngeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_BdcExceptionSta
teFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
```

```

message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InvalidOperationExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationsForEntityAndRole\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationsForEntityAndRole\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST return with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is set to zero, or the <b>role</b> parameter is not set to zero or 1.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified Entity does not exist.

### 3.1.4.36.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.36.1.1

#### **BusinessDataCatalogSharedService\_GetAssociationsForEntityAndRole\_InputMessage**

The request WSDL message for the **GetAssociationsForEntityAndRole** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForEntityAndRole

```

The SOAP body contains the **GetAssociationsForEntityAndRole** element.

#### 3.1.4.36.1.2

#### **BusinessDataCatalogSharedService\_GetAssociationsForEntityAndRole\_OutputMessage**

The response WSDL message for the **GetAssociationsForEntityAndRole** WSDL operation.

The SOAP body contains the **GetAssociationsForEntityAndRoleResponse** element.

### 3.1.4.36.2 Elements

The following XML Schema element definitions are specific to this operation.

### 3.1.4.36.2.1 GetAssociationsForEntityAndRole

The input data for the **GetAssociationsForEntityAndRole** WSDL operation.

```
<xs:element name="GetAssociationsForEntityAndRole">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="role" type="xs:unsignedByte"/>
      <xs:element minOccurs="1" maxOccurs="1" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:q73="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q73:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityId:** The MetadataObjectId of the Entity.

**role:** Specifies whether the Entity is a source or the destination of the Association. The value of this element **MUST** be in the following table.

Value	Description
0	The <b>Entity</b> is a source of the <b>Association</b> .
1	The <b>Entity</b> is the destination of the <b>Association</b> .

**activeOnly:** Specifies whether to include the **Associations** that reference **Entities** those are not active in the result. For the purposes of this operation, an **Association** is considered to reference an **Entity** when that **Entity** is a source or the destination of the **Association**, or when the **Entity** contains the **Association**. The value of this parameter **MUST** be in the following table.

Value	Description
True	Return all <b>Associations</b> that match the search criteria.
False	Return <b>Associations</b> that match the search criteria only if they do not reference an <b>Entity</b> that is not active.

**partitionId:** An empty GUID.

### 3.1.4.36.2.2 GetAssociationsForEntityAndRoleResponse

The result data for the **GetAssociationsForEntityAndRole** WSDL operation.

```
<xs:element name="GetAssociationsForEntityAndRoleResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q74="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetAssociationsForEntityAndRoleResult" type="q74:ArrayOfAssociationStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAssociationsForEntityAndRoleResult:** The list of Associations.

### 3.1.4.36.3 Complex Types

None.

### 3.1.4.36.4 Simple Types

None.

### 3.1.4.36.5 Attributes

None.

### 3.1.4.36.6 Groups

None.

### 3.1.4.36.7 Attribute Groups

None.

### 3.1.4.37 GetAssociationsForMethod

This operation is used to retrieve the Associations that are contained by the specified Method.

```
<wsdl:operation name="GetAssociationsForMethod">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForMethod"
    message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForMethodResponse"
    message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForMethodMetadataExceptionFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_MetadataExceptionState
    Fault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentExceptionFault
    _FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForMethodArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentNullExceptionF
    ault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForMethodArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentOutOfRangeExceptionExce
    ptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForMethodInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
```

```

message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_BdcExceptionStateFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetAssociationsForMethod\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetAssociationsForMethod\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified Method does not exist. <a href="#">&lt;40&gt;</a>

### 3.1.4.37.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.37.1.1

#### **BusinessDataCatalogSharedService\_GetAssociationsForMethod\_InputMessage**

The request WSDL message for the **GetAssociationsForMethod** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForMethod

```

The SOAP body contains the **GetAssociationsForMethod** element.

#### 3.1.4.37.1.2

#### **BusinessDataCatalogSharedService\_GetAssociationsForMethod\_OutputMessage**

The response WSDL message for the **GetAssociationsForMethod** WSDL operation.

The SOAP body contains the **GetAssociationsForMethodResponse** element.

### 3.1.4.37.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.37.2.1 GetAssociationsForMethod

The input data for the **GetAssociationsForMethod** WSDL operation.

```
<xs:element name="GetAssociationsForMethod">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="methodId" type="xs:unsignedInt"/>
      <xs:element xmlns:q77="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q77:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodId:** The MetadataObjectId of the Method. The value of this element MUST be in [1, 0x7fffffff] range.

**partitionId:** The empty GUID.

#### 3.1.4.37.2.2 GetAssociationsForMethodResponse

The result data for the **GetAssociationsForMethod** WSDL operation.

```
<xs:element name="GetAssociationsForMethodResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q78="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetAssociationsForMethodResult" type="q78:ArrayOfAssociationStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAssociationsForMethodResult:** The list of Associations.

#### 3.1.4.37.3 Complex Types

None.

#### 3.1.4.37.4 Simple Types

None.

#### 3.1.4.37.5 Attributes

None.

#### 3.1.4.37.6 Groups

None.

#### 3.1.4.37.7 Attribute Groups

None.



### 3.1.4.38 GetCacheInvalidationRecordsSince

This operation is deprecated from the protocol and MUST NOT [<41>](#) be called.

```
<wsdl:operation name="GetCacheInvalidationRecordsSince">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSince"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InputMessage"/
>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceResponse"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_OutputMessage"
/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentExcept
ionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InvalidOperati
onExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentNullEx
ceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentOutOfR
angeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceAccessDeniedExceptionFault"
name="AccessDeniedExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_AccessDeniedEx
ceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_MetadataExcept
ionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSincePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_PackageFormatE
xceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_BdcExceptionSt
ateFault_FaultMessage"/>
```

```
</wsdl:operation>
```

### 3.1.4.38.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.38.1.1

##### **BusinessDataCatalogSharedService\_GetCacheInvalidationRecordsSince\_InputMessage**

The request WSDL message for the **GetCacheInvalidationRecordsSince** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetCacheInvalidationRecordsSince
```

The SOAP body contains the **GetCacheInvalidationRecordsSince** element.

#### 3.1.4.38.1.2

##### **BusinessDataCatalogSharedService\_GetCacheInvalidationRecordsSince\_OutputMessage**

The response WSDL message for the **GetCacheInvalidationRecordsSince** WSDL operation.

The SOAP body contains the **GetCacheInvalidationRecordsSinceResponse** element.

### 3.1.4.38.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.38.2.1 GetCacheInvalidationRecordsSince

The input data for the **GetCacheInvalidationRecordsSince** WSDL operation.

```
<xs:element name="GetCacheInvalidationRecordsSince">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="dateTime" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**dateTime:**

#### 3.1.4.38.2.2 GetCacheInvalidationRecordsSinceResponse

The result data for the **GetCacheInvalidationRecordsSince** WSDL operation.

```
<xs:element name="GetCacheInvalidationRecordsSinceResponse">
  <xs:complexType>
    <xs:sequence>
```

```

        <xs:element xmlns:q212="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetCacheInvalidationRecordsSinceResult"
type="q212:ArrayOfCacheInvalidationRecordStruct"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

## **GetCacheInvalidationRecordsSinceResult:**

### **3.1.4.38.3 Complex Types**

The following XML Schema complex type definitions are specific to this operation.

#### **3.1.4.38.3.1 ArrayOfCacheInvalidationRecordStruct**

**Namespace:** Microsoft.SharePoint.BusinessData

```

<xs:complexType name="ArrayOfCacheInvalidationRecordStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="CacheInvalidationRecordStruct"
nillable="true" type="tns:CacheInvalidationRecordStruct"/>
  </xs:sequence>
</xs:complexType>

```

## **CacheInvalidationRecordStruct:**

#### **3.1.4.38.3.2 CacheInvalidationRecordStruct**

**Namespace:** Microsoft.SharePoint.BusinessData

```

<xs:complexType name="CacheInvalidationRecordStruct">
  <xs:sequence>
    <xs:element minOccurs="0" name="cacheLine" type="xs:long"/>
    <xs:element minOccurs="0" name="counter" type="xs:int"/>
    <xs:element minOccurs="0" name="partitionId" type="ser:guid"/>
    <xs:element minOccurs="0" name="timestamp" type="xs:dateTime"/>
  </xs:sequence>
</xs:complexType>

```

**cacheLine:**

**counter:**

**partitionId:**

**timestamp:**

#### **3.1.4.38.4 Simple Types**

None.

#### **3.1.4.38.5 Attributes**

None.

### 3.1.4.38.6 Groups

None.

### 3.1.4.38.7 Attribute Groups

None.

### 3.1.4.39 GetChildTypeDescriptorsForTypeDescriptor

This operation is used to retrieve the TypeDescriptors contained by the specified **TypeDescriptor**.

```
<wsdl:operation name="GetChildTypeDescriptorsForTypeDescriptor">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetChildTypeDescriptorsForTypeDescriptor"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_InputM
    essage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetChildTypeDescriptorsForTypeDescriptorResponse"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Output
    Message"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetChildTypeDescriptorsForTypeDescriptorArgumentExceptionFault"
    name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Argume
    ntExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetChildTypeDescriptorsForTypeDescriptorMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Metada
    taExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetChildTypeDescriptorsForTypeDescriptorArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Argume
    ntNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetChildTypeDescriptorsForTypeDescriptorArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Argume
    ntOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetChildTypeDescriptorsForTypeDescriptorBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_BdcExc
    eptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetChildTypeDescriptorsForTypeDescriptorInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Invali
    dOperationExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsForTypeDescriptor\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsForTypeDescriptor\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified TypeDescriptor does not exist. <a href="#">&lt;42&gt;</a>

### 3.1.4.39.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.39.1.1

##### **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsForTypeDescriptor\_InputMessage**

The request WSDL message for the **GetChildTypeDescriptorsForTypeDescriptor** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsForTypeDescriptor
```

The SOAP body contains the **GetChildTypeDescriptorsForTypeDescriptor** element.

#### 3.1.4.39.1.2

##### **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsForTypeDescriptor\_OutputMessage**

The response WSDL message for the **GetChildTypeDescriptorsForTypeDescriptor** WSDL operation.

The SOAP body contains the **GetChildTypeDescriptorsForTypeDescriptorResponse** element.

### 3.1.4.39.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.39.2.1 GetChildTypeDescriptorsForTypeDescriptor

The input data for the **GetChildTypeDescriptorsForTypeDescriptor** WSDL operation.

```
<xs:element name="GetChildTypeDescriptorsForTypeDescriptor">
```

```

<xs:complexType>
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="parentTypeDescriptorId"
type="xs:unsignedInt"/>
    <xs:element xmlns:q47="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q47:guid"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**parentTypeDescriptorId:** The MetadataObjectId for the TypeDescriptor.

**partitionId:** An empty GUID.

### 3.1.4.39.2.2 GetChildTypeDescriptorsForTypeDescriptorResponse

The result data for the **GetChildTypeDescriptorsForTypeDescriptor** WSDL operation.

```

<xs:element name="GetChildTypeDescriptorsForTypeDescriptorResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q48="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetChildTypeDescriptorsForTypeDescriptorResult"
type="q48:ArrayOfTypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetChildTypeDescriptorsForTypeDescriptorResult:** The list of TypeDescriptors.

### 3.1.4.39.3 Complex Types

None.

### 3.1.4.39.4 Simple Types

None.

### 3.1.4.39.5 Attributes

None.

### 3.1.4.39.6 Groups

None.

### 3.1.4.39.7 Attribute Groups

None.

### 3.1.4.40 GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor

This operation is used to retrieve the TypeDescriptors that reference Identifiers and are descendent **TypeDescriptors** of the specified **TypeDescriptor**. A given **TypeDescriptor** is a descendent of the

specified **TypeDescriptor** if the **TypeDescriptor** that contains the given **TypeDescriptor** is also a descendent of the specified **TypeDescriptor**, or the **TypeDescriptor** is contained by the specified **TypeDescriptor** itself. [<43>](#)

```
<wsdl:operation name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorArgumentExceptionFault"
    name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_InvalidOperationExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section 2.2.4.9)	The MetadataObjectId of the specified <b>TypeDescriptor</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified <b>TypeDescriptor</b> does not exist. <44>

### 3.1.4.40.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.40.1.1

#### **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor\_InputMessage**

The request WSDL message for the **GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor
```

The SOAP body contains the **GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor** element.

#### 3.1.4.40.1.2

#### **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor\_OutputMessage**

The response WSDL message for the **GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor** WSDL operation.

The SOAP body contains the **GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse** element.

### 3.1.4.40.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.40.2.1 GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor

The input data for the **GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor** WSDL operation.

```
<xs:element name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor">
  <xs:complexType>
    <xs:sequence>
```



```

        <xs:element xmlns:q37="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="typeDescriptorStruct" type="q37:TypeDescriptorStruct"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

**typeDescriptorStruct:** The TypeDescriptor.

#### 3.1.4.40.2.2 GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse

The result data for the **GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor** WSDL operation.

```

<xs:element name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q38="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResult"
type="q38:ArrayOfTypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResult:** The list of TypeDescriptors.

#### 3.1.4.40.3 Complex Types

None.

#### 3.1.4.40.4 Simple Types

None.

#### 3.1.4.40.5 Attributes

None.

#### 3.1.4.40.6 Groups

None.

#### 3.1.4.40.7 Attribute Groups

None.

#### 3.1.4.41 GetDataClassById

This operation is used to retrieve the DataClass with the specified MetadataObjectId.

```

<wsdl:operation name="GetDataClassById">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassById"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_InputMessage"/>

```

```

    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_OutputMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_BdcExceptionStateFault_FaultMe
ssage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_ArgumentOutOfRangeExceptionFau
lt_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_InvalidOperationExceptionFault
_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_MetadataExceptionStateFault_Fa
ultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_ArgumentExceptionFault_FaultMe
ssage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_ArgumentNullExceptionFault_Fau
ltMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetDataClassById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetDataClassById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	A DataClass with the specified <b>MetadataObjectId</b> does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.41.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.41.1.1

##### **BusinessDataCatalogSharedService\_GetDataClassById\_InputMessage**

The request WSDL message for the **GetDataClassById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassById
```

The SOAP body contains the **GetDataClassById** element.

#### 3.1.4.41.1.2

##### **BusinessDataCatalogSharedService\_GetDataClassById\_OutputMessage**

The response WSDL message for the **GetDataClassById** WSDL operation.

The SOAP body contains the **GetDataClassByIdResponse** element.

### 3.1.4.41.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.41.2.1 GetDataClassById

The input data for the **GetDataClassById** WSDL operation.

```
<xs:element name="GetDataClassById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="dataClassId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:q118="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q118:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**dataClassId:** The MetadataObjectId of the DataClass.

**performErrorCheck:** The value of this element MUST be ignored if a **DataClass** with the specified **MetadataObjectId** exists. If a **DataClass** with the specified **MetadataObjectId** does not exist and the value of this element is **false**, the protocol server MUST set the value of the **GetDataClassByIdResult** element to NULL.

**partitionId:** The empty GUID.

#### 3.1.4.41.2.2 GetDataClassByIdResponse

The result data for the **GetDataClassById** WSDL operation.

```

<xs:element name="GetDataClassByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q119="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetDataClassByIdResult" nillable="true" type="q119:DataClassStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetDataClassByIdResult:** The DataClass.

#### 3.1.4.41.3 Complex Types

None.

#### 3.1.4.41.4 Simple Types

None.

#### 3.1.4.41.5 Attributes

None.

#### 3.1.4.41.6 Groups

None.

#### 3.1.4.41.7 Attribute Groups

None.

### 3.1.4.42 GetDataClassesForSystem

This operation is used to retrieve DataClasses contained by the specified LobSystem.

```

<wsdl:operation name="GetDataClassesForSystem">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystem"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemResponse"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentNullExceptionFa
ult_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentOutOfRangeExceptionFa
ult_FaultMessage"/>

```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_BdcExceptionStateFault_
FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_InvalidOperationExcepti
onFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_MetadataExceptionStateF
ault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentExceptionFault_
FaultMessage"/>
</wsdl:operation>

```

The protocol client sends

**BusinessDataCatalogSharedService\_GetDataClassesForSystem\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetDataClassesForSystem\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified LobSystem does not exist. <a href="#">&lt;45&gt;</a>

### 3.1.4.42.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.42.1.1

#### **BusinessDataCatalogSharedService\_GetDataClassesForSystem\_InputMessage**

The request WSDL message for the **GetDataClassesForSystem** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Get
DataClassesForSystem

```

The SOAP body contains the **GetDataClassesForSystem** element.

#### 3.1.4.42.1.2

##### **BusinessDataCatalogSharedService\_GetDataClassesForSystem\_OutputMessage**

The response WSDL message for the **GetDataClassesForSystem** WSDL operation.

The SOAP body contains the **GetDataClassesForSystemResponse** element.

#### 3.1.4.42.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.42.2.1 **GetDataClassesForSystem**

The input data for the **GetDataClassesForSystem** WSDL operation.

```
<xs:element name="GetDataClassesForSystem">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:q116="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q116:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemId:** The MetadataObjectId of the LobSystem.

**activeOnly:** Which DataClasses to return. If the value is **true**, only the active **DataClasses** MUST be returned. Otherwise, this operation MUST return **DataClasses** contained by the specified LobSystem, regardless of their active status.

**partitionId:** The empty GUID.

##### 3.1.4.42.2.2 **GetDataClassesForSystemResponse**

The result data for the **GetDataClassesForSystem** WSDL operation.

```
<xs:element name="GetDataClassesForSystemResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q117="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetDataClassesForSystemResult" type="q117:ArrayOfDataClassStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetDataClassesForSystemResult:** The list of DataClasses.

#### 3.1.4.42.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

### 3.1.4.42.3.1 ArrayOfDataClassStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfDataClassStruct** complex type is a list DataClasses.

```
<xs:complexType name="ArrayOfDataClassStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DataClassStruct" nillable="true"
      type="tns:DataClassStruct"/>
  </xs:sequence>
</xs:complexType>
```

**DataClassStruct:** A DataClass.

### 3.1.4.42.4 Simple Types

None.

### 3.1.4.42.5 Attributes

None.

### 3.1.4.42.6 Groups

None.

### 3.1.4.42.7 Attribute Groups

None.

### 3.1.4.43 GetDefaultValuesForTypeDescriptor

This operation is used to retrieve the DefaultValues of the specified TypeDescriptor.

```
<wsdl:operation name="GetDefaultValuesForTypeDescriptor">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetDefaultValuesForTypeDescriptor"
    message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InputMessage"
  />
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetDefaultValuesForTypeDescriptorResponse"
    message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_OutputMessage"
  />
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetDefaultValuesForTypeDescriptorBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_BdcExceptionS
    tateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetDefaultValuesForTypeDescriptorInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
```

```

message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDefaultValuesForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDefaultValuesForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDefaultValuesForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDefaultValuesForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_MetadataExceptionStateFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetDefaultValuesForTypeDescriptor\_InputMessage**

request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetDefaultValuesForTypeDescriptor\_OutputMessage**

response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	A TypeDescriptor with specified <b>MetadataObjectId</b> does not exist.

### 3.1.4.43.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.43.1.1

**BusinessDataCatalogSharedService\_GetDefaultValuesForTypeDescriptor\_InputMessage**

The request WSDL message for the **GetDefaultValuesForTypeDescriptor** WSDL operation.

The SOAP action value is:



<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDefaultValuesForTypeDescriptor>

The SOAP body contains the **GetDefaultValuesForTypeDescriptor** element.

#### 3.1.4.43.1.2

#### **BusinessDataCatalogSharedService\_GetDefaultValuesForTypeDescriptor\_Output Message**

The response WSDL message for the **GetDefaultValuesForTypeDescriptor** WSDL operation.

The SOAP body contains the **GetDefaultValuesForTypeDescriptorResponse** element.

#### 3.1.4.43.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.43.2.1 **GetDefaultValuesForTypeDescriptor**

The input data for the **GetDefaultValuesForTypeDescriptor** WSDL operation.

```
<xs:element name="GetDefaultValuesForTypeDescriptor">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="typeDescriptorId" type="xs:unsignedInt"/>
      <xs:element xmlns:q51="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q51:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**typeDescriptorId:** The MetadataObjectId for the TypeDescriptor.

**partitionId:** An empty GUID.

##### 3.1.4.43.2.2 **GetDefaultValuesForTypeDescriptorResponse**

The result data for the **GetDefaultValuesForTypeDescriptor** WSDL operation.

```
<xs:element name="GetDefaultValuesForTypeDescriptorResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q52="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetDefaultValuesForTypeDescriptorResult" type="q52:ArrayOfDefaultValueStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetDefaultValuesForTypeDescriptorResult:** The DefaultValues of the specified TypeDescriptor.

#### 3.1.4.43.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

### 3.1.4.43.3.1 ArrayOfDefaultValueStruct

**Namespace:** Microsoft.SharePoint.BusinessData

A complex type that specifies a list of DefaultValues.

```
<xs:complexType name="ArrayOfDefaultValueStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DefaultValueStruct" nillable="true"
      type="tns:DefaultValueStruct"/>
  </xs:sequence>
</xs:complexType>
```

**DefaultValueStruct:** A DefaultValue.

### 3.1.4.43.4 Simple Types

None.

### 3.1.4.43.5 Attributes

None.

### 3.1.4.43.6 Groups

None.

### 3.1.4.43.7 Attribute Groups

None.

### 3.1.4.44 GetEntitiesForAssociationAndRole

This operation is used to retrieve the Entities performing the role of source or destination for the specified Association.

```
<wsdl:operation name="GetEntitiesForAssociationAndRole">
  <wsdl:input>
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRole"
    message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InputMessage"/>
  <wsdl:output>
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRoleResponse"
    message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_OutputMessage"/>
  <wsdl:fault>
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRoleArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault>
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRoleBdcExceptionStateFault"
    name="BdcExceptionStateFault"
```

```

message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRoleArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntitiesForAssociationAndRole\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntitiesForAssociationAndRole\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	One of the following conditions applies: <ul style="list-style-type: none"> <li>The specified MetadataObjectId is 0.</li> <li>The <b>role</b> parameter is not set to zero or 1. <a href="#">&lt;46&gt;</a></li> </ul>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified Association does not exist. <a href="#">&lt;47&gt;</a>

### 3.1.4.44.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.44.1.1

##### **BusinessDataCatalogSharedService\_GetEntitiesForAssociationAndRole\_InputMessage**

The request WSDL message for the **GetEntitiesForAssociationAndRole** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRole
```

The SOAP body contains the **GetEntitiesForAssociationAndRole** element.

#### 3.1.4.44.1.2

##### **BusinessDataCatalogSharedService\_GetEntitiesForAssociationAndRole\_OutputMessage**

The response WSDL message for the **GetEntitiesForAssociationAndRole** WSDL operation.

The SOAP body contains the **GetEntitiesForAssociationAndRoleResponse** element.

#### 3.1.4.44.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.44.2.1 **GetEntitiesForAssociationAndRole**

The input data for the **GetEntitiesForAssociationAndRole** WSDL operation.

```
<xs:element name="GetEntitiesForAssociationAndRole">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="associationId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="role" type="xs:unsignedByte"/>
      <xs:element minOccurs="1" maxOccurs="1" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:q132="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q132:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**associationId:** The MetadataObjectId of the Association.

**role:** Specifies what Entities to be returned. Its value MUST be in the following table.

Value	Description
0	The <b>Entities</b> are sources of the <b>Association</b> .
1	The <b>Entities</b> are destinations of the <b>Association</b> .

**activeOnly:** This element MUST contain the information about what **Entities** to be returned. If its value is **true**, the returned **Entities** MUST be all active. Otherwise, this operation MUST return **Entities** regardless of the active status.

**partitionId:** An empty GUID.

#### 3.1.4.44.2.2 GetEntitiesForAssociationAndRoleResponse

The result data for the **GetEntitiesForAssociationAndRole** WSDL operation.

```
<xs:element name="GetEntitiesForAssociationAndRoleResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q133="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetEntitiesForAssociationAndRoleResult" type="q133:ArrayOfEntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetEntitiesForAssociationAndRoleResult:** The list of Entities.

#### 3.1.4.44.3 Complex Types

None.

#### 3.1.4.44.4 Simple Types

None.

#### 3.1.4.44.5 Attributes

None.

#### 3.1.4.44.6 Groups

None.

#### 3.1.4.44.7 Attribute Groups

None.

#### 3.1.4.45 GetEntitiesForSystem

This operation is used to retrieve Entities of the specified LobSystem.

```
<wsdl:operation name="GetEntitiesForSystem">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystem"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemResponse"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_BdcExceptionStateFault_Fau
ltMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_InvalidOperationExceptionFau
lt_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_MetadataExceptionStateFau
lt_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentExceptionFault_Fau
ltMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentNullExceptionFault
_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntitiesForSystem\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntitiesForSystem\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified LobSystem does not exist. <a href="#">&lt;48&gt;</a>

### 3.1.4.45.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.45.1.1

#### **BusinessDataCatalogSharedService\_GetEntitiesForSystem\_InputMessage**

The request WSDL message for the **GetEntitiesForSystem** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForSystem>

The SOAP body contains the **GetEntitiesForSystem** element.

#### 3.1.4.45.1.2

#### **BusinessDataCatalogSharedService\_GetEntitiesForSystem\_OutputMessage**

The response WSDL message for the **GetEntitiesForSystem** WSDL operation.

The SOAP body contains the **GetEntitiesForSystemResponse** element.

#### 3.1.4.45.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.45.2.1 **GetEntitiesForSystem**

The input data for the **GetEntitiesForSystem** WSDL operation.

```
<xs:element name="GetEntitiesForSystem">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:q130="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q130:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemId:** The MetadataObjectId of the LobSystem.

**activeOnly:** This element MUST contain the information about what Entities to be returned. If its value is true, the returned **Entities** MUST be all active. Otherwise, this operation MUST return **Entities** regardless of the active status.

**partitionId:** An empty GUID.

##### 3.1.4.45.2.2 **GetEntitiesForSystemResponse**

The result data for the **GetEntitiesForSystem** WSDL operation.

```
<xs:element name="GetEntitiesForSystemResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q131="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetEntitiesForSystemResult" type="q131:ArrayOfEntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetEntitiesForSystemResult:** The list of Entities.

### 3.1.4.45.3 Complex Types

None.

### 3.1.4.45.4 Simple Types

None.

### 3.1.4.45.5 Attributes

None.

### 3.1.4.45.6 Groups

None.

### 3.1.4.45.7 Attribute Groups

None.

### 3.1.4.46 GetEntitiesLikeNameAndNamespace

This operation is used to retrieve the Entities that match the specified wildcard patterns for name and namespace.

An **Entity** matches the pattern specified by **wildcardedName** if and only if **wildcardedName** matches the name of the **Entity**, or the localized name of the **Entity** with LCID 0, or the localized name of the **Entity** with the LCID specified by **callerCultureLcid**.

An **Entity** matches the pattern specified by **wildcardedNamespace** if and only if **wildcardedNamespace** matches the namespace of the **Entity**.

```
<wsdl:operation name="GetEntitiesLikeNameAndNamespace">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespace"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceResponse"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_OutputMessage"/
>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentNullExc
eptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentOutOfRa
ngeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceBdcExceptionStateFault"
name="BdcExceptionStateFault"
```



```

message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_BdcExceptionSta
teFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InvalidOperatio
nExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_MetadataExcepti
onStateFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentExcepti
onFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntitiesLikeNameAndNamespace\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntitiesLikeNameAndNamespace\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>The length of the <b>wildcardedName</b> exceeds 255 characters.</li> <li>The length of the <b>wildcardedNamespace</b> exceeds 255 characters.</li> <li>The specified <b>wildcardedName</b> is invalid.</li> <li>The specified <b>wildcardedNamespace</b> is invalid.</li> </ul>

### 3.1.4.46.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.46.1.1

#### **BusinessDataCatalogSharedService\_GetEntitiesLikeNameAndNamespace\_InputMessage**

The request WSDL message for the **GetEntitiesLikeNameAndNamespace** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesLikeNameAndNamespace>

The SOAP body contains the **GetEntitiesLikeNameAndNamespace** element.

### 3.1.4.46.1.2

#### **BusinessDataCatalogSharedService\_GetEntitiesLikeNameAndNamespace\_Output Message**

The response WSDL message for the **GetEntitiesLikeNameAndNamespace** WSDL operation.

The SOAP body contains the **GetEntitiesLikeNameAndNamespaceResponse** element.

### 3.1.4.46.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.46.2.1 **GetEntitiesLikeNameAndNamespace**

The input data for the **GetEntitiesLikeNameAndNamespace** WSDL operation.

```
<xs:element name="GetEntitiesLikeNameAndNamespace">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="wildcardedNamespace" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="wildcardedName" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:q123="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="1" maxOccurs="1" name="partitionId" type="q123:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**wildcardedNamespace:** The wildcard pattern to be used to retrieve the Entities whose namespace matches the wildcard pattern.

Following is the ABNF for the **wildcardedNamespace**:

```
wildcardedNamespace = 1 * (Literal / Escape / Wildcard)
Literal = %x00-29 / %x2B-5B / %x5D-FF
Wildcard = %x2A
Escape = EscapeBackSlash / EscapeWildcard
EscapeBackSlash = %x5C %x5C
EscapeWildcard = %x5C %x2A
```

The protocol server MUST match the namespace of the **Entities** with the value of **wildcardedNamespace** when the **EscapeBackSlash**, **EscapeWildcard**, and **Wildcard** rules are changed as follows:

```
EscapeBackSlash = %x5C
EscapeWildcard = %x2A
Wildcard = *(%x00-FF)
```

**wildcardedName:** The wildcard pattern to be used to retrieve the **Entities** whose name or localized name matches the wildcard pattern.

Following is the ABNF for the **wildcardedName**:

```
wildcardedName = 1 * (Literal / Escape / Wildcard)
Literal = %x00-29 / %x2B-5B / %x5D-FF
Wildcard = %x2A
Escape = EscapeBackSlash / EscapeWildcard
EscapeBackSlash = %x5C %x5C
EscapeWildcard = %x5C %x2A
```

The protocol server **MUST** match the name or localized name of the **Entities** with the value of **wildcardedName** when the **EscapeBackSlash**, **EscapeWildcard**, and **Wildcard** rules are changed as follows:

```
EscapeBackSlash = %x5C
EscapeWildcard = %x2A
Wildcard = * (%x00-FF)
```

**callerCultureLcid:** The LCID representing the locale to be used when retrieving the LobSystems.

**activeOnly:** This element **MUST** contain the information about what **Entities** to be returned. If its value is true, the returned **Entities** **MUST** be all active. Otherwise, this operation **MUST** return **Entities** regardless of the active status.

**partitionId:** An empty GUID.

#### 3.1.4.46.2.2 GetEntitiesLikeNameAndNamespaceResponse

The result data for the **GetEntitiesLikeNameAndNamespace** WSDL operation.

```
<xs:element name="GetEntitiesLikeNameAndNamespaceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q124="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetEntitiesLikeNameAndNamespaceResult" type="q124:ArrayOfEntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetEntitiesLikeNameAndNamespaceResult:** The list of Entities.

#### 3.1.4.46.3 Complex Types

None.

#### 3.1.4.46.4 Simple Types

None.

#### 3.1.4.46.5 Attributes

None.

### 3.1.4.46.6 Groups

None.

### 3.1.4.46.7 Attribute Groups

None.

### 3.1.4.47 GetEntitiesReferencedByModelId

This operation is used to retrieve Entities which are referenced by the specified Model.

```
<wsdl:operation name="GetEntitiesReferencedByModelId">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelId"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdResponse"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentNullExce
ptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentExceptio
nFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentOutOfRan
geExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_BdcExceptionStat
eFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InvalidOperation
ExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_MetadataExceptio
nStateFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetEntitiesReferencedByModelId\_InputMessage**  
request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetEntitiesReferencedByModelId\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified Model does not exist. <a href="#">&lt;49&gt;</a>

### 3.1.4.47.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.47.1.1

#### **BusinessDataCatalogSharedService\_GetEntitiesReferencedByModelId\_InputMessage**

The request WSDL message for the **GetEntitiesReferencedByModelId** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesReferencedByModelId
```

The SOAP body contains the **GetEntitiesReferencedByModelId** element.

#### 3.1.4.47.1.2

#### **BusinessDataCatalogSharedService\_GetEntitiesReferencedByModelId\_OutputMessage**

The response WSDL message for the **GetEntitiesReferencedByModelId** WSDL operation.

The SOAP body contains the **GetEntitiesReferencedByModelIdResponse** element.

### 3.1.4.47.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.47.2.1 GetEntitiesReferencedByModelId

The input data for the **GetEntitiesReferencedByModelId** WSDL operation.

```
<xs:element name="GetEntitiesReferencedByModelId">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="metadataObjectId" type="xs:unsignedInt"/>
      <xs:element
        xmlns:q120="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.Adminis
```

```

tration.Client.Constants" minOccurs="1" maxOccurs="1" name="mode"
type="q120:EntityConstants.EntitiesInModelQuery"/>
  <xs:element minOccurs="1" maxOccurs="1" name="activeOnly" type="xs:boolean"/>
  <xs:element xmlns:q121="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q121:guid"/>
</xs:sequence>
</xs:complexType>
</xs:element>

```

**metadataObjectId:** The MetadataObjectId of the Model.

**mode:** Specifies which Entities to be returned. The value of this element is specified in section [3.1.4.47.4.1](#).

**activeOnly:** This element MUST contain the information about what **Entities** to be returned. If its value is true, the returned **Entities** MUST be all active. Otherwise, this operation MUST return **Entities** regardless of the active status.

**partitionId:** An empty GUID.

### 3.1.4.47.2.2 GetEntitiesReferencedByModelIdResponse

The result data for the **GetEntitiesReferencedByModelId** WSDL operation.

```

<xs:element name="GetEntitiesReferencedByModelIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q122="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetEntitiesReferencedByModelIdResult" type="q122:ArrayOfEntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetEntitiesReferencedByModelIdResult:** The list of Entities.

### 3.1.4.47.3 Complex Types

None.

### 3.1.4.47.4 Simple Types

The following XML Schema simple type definitions are specific to this operation.

#### 3.1.4.47.4.1 EntityConstants.EntitiesInModelQuery

**Namespace:**

<http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.Administration.Client.Constants>

Specifies which Entities to be returned.

```

<xs:simpleType name="EntityConstants.EntitiesInModelQuery">
  <xs:restriction base="xs:string">
    <xs:enumeration value="AllEntitiesInModel"/>
    <xs:enumeration value="OwnedEntitiesInModel"/>
  </xs:restriction>
</xs:simpleType>

```

```

        <xs:enumeration value="SharedEntitiesInModel"/>
    </xs:restriction>
</xs:simpleType>

```

The following table specifies the allowable values for EntityConstants.EntitiesInModelQuery:

Value	Meaning
AllEntitiesInModel	Return all <b>Entities</b> referenced by the specified Model.
OwnedEntitiesInModel	Returned <b>Entities</b> MUST be referenced only in the specified <b>Model</b> .
SharedEntitiesInModel	Returned <b>Entities</b> MUST be referenced in the specified <b>Model</b> and in other <b>Models</b> .

### 3.1.4.47.5 Attributes

None.

### 3.1.4.47.6 Groups

None.

### 3.1.4.47.7 Attribute Groups

None.

### 3.1.4.48 GetEntityById

This operation is used to retrieve the Entity with the specified MetadataObjectId.

```

<wsdl:operation name="GetEntityById">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityById"
    message="tns:BusinessDataCatalogSharedService_GetEntityById_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityByIdResponse"
    message="tns:BusinessDataCatalogSharedService_GetEntityById_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityByIdArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetEntityById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetEntityById_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetEntityById_InvalidOperationExceptionFault_FaultMessage"/>

```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityById_MetadataExceptionStateFault_Fault
Message"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityById_ArgumentExceptionFault_FaultMessa
ge"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityById_ArgumentNullExceptionFault_FaultM
essage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntityById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntityById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	An Entity with the specified <b>MetadataObjectId</b> does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.48.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.48.1.1 BusinessDataCatalogSharedService\_GetEntityById\_InputMessage

The request WSDL message for the **GetEntityById** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Get
EntityById

```

The SOAP body contains the **GetEntityById** element.

#### 3.1.4.48.1.2 BusinessDataCatalogSharedService\_GetEntityById\_OutputMessage

The response WSDL message for the **GetEntityById** WSDL operation.



The SOAP body contains the **GetEntityByIdResponse** element.

### 3.1.4.48.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.48.2.1 GetEntityById

The input data for the **GetEntityById** WSDL operation.

```
<xs:element name="GetEntityById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:q139="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q139:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityId:** The MetadataObjectId of the Entity.

**performErrorCheck:** The value of this element MUST be ignored if an **Entity** with the specified MetadataObjectId exists. If an **Entity** with the specified **MetadataObjectId** does not exist and the value of this element is false, the protocol server MUST set the value of the **GetEntityByIdResult** element to NULL.

**partitionId:** An empty GUID.

#### 3.1.4.48.2.2 GetEntityByIdResponse

The result data for the **GetEntityById** WSDL operation.

```
<xs:element name="GetEntityByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q140="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetEntityByIdResult" nillable="true" type="q140:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetEntityByIdResult:** The Entity.

### 3.1.4.48.3 Complex Types

None.

### 3.1.4.48.4 Simple Types

None.

### 3.1.4.48.5 Attributes

None.

### 3.1.4.48.6 Groups

None.

### 3.1.4.48.7 Attribute Groups

None.

### 3.1.4.49 GetEntityCount

This operation retrieves the number of Entity elements that are contained by the specified LobSystem.

```
<wsdl:operation name="GetEntityCount">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityCount"
    message="tns:BusinessDataCatalogSharedService_GetEntityCount_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityCountResponse"
    message="tns:BusinessDataCatalogSharedService_GetEntityCount_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityCountArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetEntityCount_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityCountArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetEntityCount_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityCountBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetEntityCount_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityCountInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetEntityCount_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityCountMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetEntityCount_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityCountArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetEntityCount_ArgumentExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntityCount\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntityCount\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section 2.2.4.9)	The specified MetadataObjectId is set to zero. <50>
<b>MetadataObjectNotFoundExpectionState</b> (section 2.2.4.43)	The specified LobSystem does not exist. <51>

### 3.1.4.49.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.49.1.1 BusinessDataCatalogSharedService\_GetEntityCount\_InputMessage

The request WSDL message for the **GetEntityCount** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityCount
```

The SOAP body contains the **GetEntityCount** element.

#### 3.1.4.49.1.2 BusinessDataCatalogSharedService\_GetEntityCount\_OutputMessage

The response WSDL message for the **GetEntityCount** WSDL operation.

The SOAP body contains the **GetEntityCountResponse** element.

### 3.1.4.49.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.49.2.1 GetEntityCount

The input data for the **GetEntityCount** WSDL operation.

```
<xs:element name="GetEntityCount">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element xmlns:q108="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q108:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
</xs:complexType>
</xs:element>
```

**lobSystemId:** The MetadataObjectId of the LobSystem.

**partitionId:** An empty GUID.

### 3.1.4.49.2.2 GetEntityCountResponse

The result data for the **GetEntityCount** WSDL operation.

```
<xs:element name="GetEntityCountResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="GetEntityCountResult" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetEntityCountResult:** The number of Entity elements contained by the specified LobSystem.

### 3.1.4.49.3 Complex Types

None.

### 3.1.4.49.4 Simple Types

None.

### 3.1.4.49.5 Attributes

None.

### 3.1.4.49.6 Groups

None.

### 3.1.4.49.7 Attribute Groups

None.

### 3.1.4.50 GetEntityNameAndNamespacesForAssociationAndRole

This operation is used to retrieve the names and namespaces of Entities which are referenced by the specified Association. Only **Entities** in the specified association **role** of source or destination are returned.

```
<wsdl:operation name="GetEntityNameAndNamespacesForAssociationAndRole">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityNameAndNamespacesForAssociationAndRole"
    message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_InputMessage"/>
```

```

    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleResponse"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole
_OutputMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole
_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole
_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole
_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole
_MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole
_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole
_ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntityNameAndNamespacesForAssociationAndRole\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntityNameAndNamespacesForAssociationAndRole\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with at most one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified Association does not exist.

### 3.1.4.50.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.50.1.1

##### **BusinessDataCatalogSharedService\_GetEntityNameAndNamespacesForAssociationAndRole\_InputMessage**

The request WSDL message for the **GetEntityNameAndNamespacesForAssociationAndRole** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityNameAndNamespacesForAssociationAndRole
```

The SOAP body contains the **GetEntityNameAndNamespacesForAssociationAndRole** element.

#### 3.1.4.50.1.2

##### **BusinessDataCatalogSharedService\_GetEntityNameAndNamespacesForAssociationAndRole\_OutputMessage**

The response WSDL message for the **GetEntityNameAndNamespacesForAssociationAndRole** WSDL operation.

The SOAP body contains the **GetEntityNameAndNamespacesForAssociationAndRoleResponse** element.

### 3.1.4.50.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.50.2.1 GetEntityNameAndNamespacesForAssociationAndRole

The input data for the **GetEntityNameAndNamespacesForAssociationAndRole** WSDL operation.

```
<xs:element name="GetEntityNameAndNamespacesForAssociationAndRole">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="associationId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="role" type="xs:unsignedByte"/>
      <xs:element xmlns:q136="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q136:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**associationId:** The MetadataObjectId of the Association for which the Entity information is to be returned.

**role:** A bit which specifies whether to return information for the **Entities** that are referenced as **Association** source or **Association** destination by the specified **Association**. The value of this parameter MUST be listed in the following table.

Possible parameter values:

Value	Description
0	Return information for <b>Entities</b> that are referenced as <b>Association</b> source by the specified <b>Association</b> .
1	Return information for <b>Entities</b> that are referenced as <b>Association</b> destination by the specified <b>Association</b> .

**partitionId:** An empty GUID.

### 3.1.4.50.2.2 GetEntityNameAndNamespacesForAssociationAndRoleResponse

The result data for the **GetEntityNameAndNamespacesForAssociationAndRole** WSDL operation.

```
<xs:element name="GetEntityNameAndNamespacesForAssociationAndRoleResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q137="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="1" maxOccurs="1" name="namespaces" type="q137:ArrayOfstring"/>
      <xs:element xmlns:q138="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="1" maxOccurs="1" name="names" type="q138:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**namespaces:** The namespaces of the Entities that are referenced by the specified Association in the specified role of source or destination.

**names:** The names of the **Entities** that are referenced by the specified **Association** in the specified role of source or destination. The order of these names **MUST** correspond to the order of **namespaces**, so that the nth name and the nth namespace together describe the name and namespace of a single **Entity**.

### 3.1.4.50.3 Complex Types

None.

### 3.1.4.50.4 Simple Types

None.

### 3.1.4.50.5 Attributes

None.

### 3.1.4.50.6 Groups

None.

### 3.1.4.50.7 Attribute Groups

None.

### 3.1.4.51 GetEntityWithNameAndNamespace

This operation is used to retrieve the active Entity with the specified name and namespace in the specified Partition.

```
<wsdl:operation name="GetEntityWithNameAndNamespace">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespace"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceResponse"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespace\_InputMessage**

request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespace\_OutputMessage**

response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.



Error complex type	Condition
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	One of the following conditions applies: <ul style="list-style-type: none"> <li>▪ The specified namespace length exceeds 255 characters.</li> <li>▪ The specified name length exceeds 255 characters.</li> </ul>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	An active Entity with the specified namespace and name does not exist in the specified Partition.

### 3.1.4.51.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.51.1.1

#### **BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespace\_InputMessage**

The request WSDL message for the **GetEntityWithNameAndNamespace** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespace
```

The SOAP body contains the **GetEntityWithNameAndNamespace** element.

#### 3.1.4.51.1.2

#### **BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespace\_OutputMessage**

The response WSDL message for the **GetEntityWithNameAndNamespace** WSDL operation.

The SOAP body contains the **GetEntityWithNameAndNamespaceResponse** element.

### 3.1.4.51.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.51.2.1 GetEntityWithNameAndNamespace

The input data for the **GetEntityWithNameAndNamespace** WSDL operation.

```
<xs:element name="GetEntityWithNameAndNamespace">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="namespace" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string"/>
      <xs:element xmlns:q125="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q125:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

    </xs:complexType>
  </xs:element>

```

**namespace:** The namespace of the Entity to be returned.

**name:** The name of the **Entity** to be returned.

**partitionId:** An empty GUID.

### 3.1.4.51.2.2 GetEntityWithNameAndNamespaceResponse

The result data for the **GetEntityWithNameAndNamespace** WSDL operation.

```

<xs:element name="GetEntityWithNameAndNamespaceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q126="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetEntityWithNameAndNamespaceResult" type="q126:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetEntityWithNameAndNamespaceResult:** The Entity.

### 3.1.4.51.3 Complex Types

None.

### 3.1.4.51.4 Simple Types

None.

### 3.1.4.51.5 Attributes

None.

### 3.1.4.51.6 Groups

None.

### 3.1.4.51.7 Attribute Groups

None.

### 3.1.4.52 GetEntityWithNameAndNamespaceAndVersion

This operation is used to retrieve the Entity with the specified name, namespace, and version.

```

<wsdl:operation name="GetEntityWithNameAndNamespaceAndVersion">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersion"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_InputMe
ssage"/>

```

```

    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionResponse"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Outpu
tMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Argumen
tNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Argumen
tOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Argumen
tOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_BdcExce
ptionStateFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Invalid
OperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Metadat
aExceptionStateFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespaceAndVersion\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespaceAndVersion\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	One of the following conditions applies: <ul style="list-style-type: none"> <li>The specified namespace length exceeds 255 characters.</li> </ul>

Error complex type	Condition
	<ul style="list-style-type: none"> <li>The specified name length exceeds 255 characters.</li> </ul>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	An <b>Entity</b> with the specified namespace and name and version does not exist in the specified Partition.

### 3.1.4.52.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.52.1.1

#### **BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespaceAndVersion\_InputMessage**

The request WSDL message for the **GetEntityWithNameAndNamespaceAndVersion** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceAndVersion
```

The SOAP body contains the **GetEntityWithNameAndNamespaceAndVersion** element.

#### 3.1.4.52.1.2

#### **BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespaceAndVersion\_OutputMessage**

The response WSDL message for the **GetEntityWithNameAndNamespaceAndVersion** WSDL operation.

The SOAP body contains the **GetEntityWithNameAndNamespaceAndVersionResponse** element.

### 3.1.4.52.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.52.2.1 **GetEntityWithNameAndNamespaceAndVersion**

The input data for the **GetEntityWithNameAndNamespaceAndVersion** WSDL operation.

```
<xs:element name="GetEntityWithNameAndNamespaceAndVersion">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="namespace" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string"/>
      <xs:element xmlns:q127="http://schemas.datacontract.org/2004/07/System" minOccurs="1" maxOccurs="1" name="version" type="q127:Version"/>
      <xs:element xmlns:q128="http://schemas.microsoft.com/2003/10/Serialization/" minOccurs="1" maxOccurs="1" name="partitionId" type="q128:guid"/>
    
```

```

    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**namespace:** The namespace of the Entity to be returned.

**name:** The name of the **Entity** to be returned.

**version:** The version of the **Entity** to be returned.

**partitionId:** An empty GUID.

### 3.1.4.52.2.2 GetEntityWithNameAndNamespaceAndVersionResponse

The result data for the **GetEntityWithNameAndNamespaceAndVersion** WSDL operation.

```

<xs:element name="GetEntityWithNameAndNamespaceAndVersionResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q129="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetEntityWithNameAndNamespaceAndVersionResult" type="q129:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetEntityWithNameAndNamespaceAndVersionResult:** The Entity.

### 3.1.4.52.3 Complex Types

None.

### 3.1.4.52.4 Simple Types

None.

### 3.1.4.52.5 Attributes

None.

### 3.1.4.52.6 Groups

None.

### 3.1.4.52.7 Attribute Groups

None.

### 3.1.4.53 GetFieldTypeDescriptorsByMethodInstance

This operation is used to retrieve TypeDescriptors that correspond to fields (4) for the MethodInstance with the specified name on the specified Entity.

```

<wsdl:operation name="GetFieldTypeDescriptorsByMethodInstance">

```

```

    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstance"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_InputMe
ssage"/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceResponse"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_OutputM
essage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Argumen
tExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Invalid
OperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Argumen
tOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_BdcExce
ptionStateFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Metadat
aExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Argumen
tNullExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetFieldTypeDescriptorsByMethodInstance\_InputMes  
sage** request message, and the protocol server MUST respond with a  
**BusinessDataCatalogSharedService\_GetFieldTypeDescriptorsByMethodInstance\_OutputM  
essage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	<p>The <b>MethodInstanceType</b> of the MethodInstance with the specified name on the specified Entity is not equal to any one of the following:</p> <ul style="list-style-type: none"> <li>▪ Finder</li> <li>▪ SpecificFinder</li> <li>▪ ViewAccessor</li> <li>▪ IdEnumerator</li> <li>▪ ChangedIdEnumerator</li> <li>▪ DeletedIdEnumerator</li> <li>▪ BulkSpecificFinder</li> <li>▪ BulkAssociationNavigator</li> <li>▪ BulkIdEnumerator</li> <li>▪ Creator</li> <li>▪ Updater</li> </ul>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	A <b>MethodInstance</b> with the specified name does not exist on the specified <b>Entity</b> .

### 3.1.4.53.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.53.1.1

#### **BusinessDataCatalogSharedService\_GetFieldTypeDescriptorsByMethodInstance\_InputMessage**

The request WSDL message for the **GetFieldTypeDescriptorsByMethodInstance** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFieldTypeDescriptorsByMethodInstance
```

The SOAP body contains the **GetFieldTypeDescriptorsByMethodInstance** element.

#### 3.1.4.53.1.2

#### **BusinessDataCatalogSharedService\_GetFieldTypeDescriptorsByMethodInstance\_OutputMessage**

The response WSDL message for the **GetFieldTypeDescriptorsByMethodInstance** WSDL operation.

The SOAP body contains the **GetFieldTypeDescriptorsByMethodInstanceResponse** element.

### 3.1.4.53.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.53.2.1 GetFieldTypeDescriptorsByMethodInstance

The input data for the **GetFieldTypeDescriptorsByMethodInstance** WSDL operation.

```
<xs:element name="GetFieldTypeDescriptorsByMethodInstance">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="methodName" type="xs:string"/>
      <xs:element xmlns:q39="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="entityStruct" type="q39:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodName:** The name of the MethodInstance.

**entityStruct:** The Entity.

#### 3.1.4.53.2.2 GetFieldTypeDescriptorsByMethodInstanceResponse

The result data for the **GetFieldTypeDescriptorsByMethodInstance** WSDL operation.

```
<xs:element name="GetFieldTypeDescriptorsByMethodInstanceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q40="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetFieldTypeDescriptorsByMethodInstanceResult" type="q40:ArrayOfTypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetFieldTypeDescriptorsByMethodInstanceResult:** The list of TypeDescriptors.

### 3.1.4.53.3 Complex Types

None.

### 3.1.4.53.4 Simple Types

None.

### 3.1.4.53.5 Attributes

None.

### 3.1.4.53.6 Groups

None.



### 3.1.4.53.7 Attribute Groups

None.

### 3.1.4.54 GetFilterDescriptorById

This operation is used to retrieve the FilterDescriptor with the specified MetadataObjectId.

```
<wsdl:operation name="GetFilterDescriptorById">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorById"
    message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdResponse"
    message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdArgumentExceptionFault"
    name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetFilterDescriptorById\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetFilterDescriptorById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section

[2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	A FilterDescriptor with the specified <b>MetadataObjectId</b> does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.54.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.54.1.1

#### **BusinessDataCatalogSharedService\_GetFilterDescriptorById\_InputMessage**

The request WSDL message for the **GetFilterDescriptorById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorById
```

The SOAP body contains the **GetFilterDescriptorById** element.

#### 3.1.4.54.1.2

#### **BusinessDataCatalogSharedService\_GetFilterDescriptorById\_OutputMessage**

The response WSDL message for the **GetFilterDescriptorById** WSDL operation.

The SOAP body contains the **GetFilterDescriptorByIdResponse** element.

### 3.1.4.54.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.54.2.1 GetFilterDescriptorById

The input data for the **GetFilterDescriptorById** WSDL operation.

```
<xs:element name="GetFilterDescriptorById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="filterDescriptorId"
type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:q19="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q19:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**filterDescriptorId:** The MetadataObjectId of the FilterDescriptor.

**performErrorCheck:** The value of this element MUST be ignored if a **FilterDescriptor** with the specified **MetadataObjectId** exists. If a **FilterDescriptor** with the specified **MetadataObjectId** does not exist and value of this element is **false**, the protocol server MUST set the value of the **GetFilterDescriptorByIdResult** element to NULL.

**partitionId:** An empty GUID.

#### 3.1.4.54.2.2 GetFilterDescriptorByIdResponse

The result data for the **GetFilterDescriptorById** WSDL operation.

```
<xs:element name="GetFilterDescriptorByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q20="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetFilterDescriptorByIdResult" nillable="true" type="q20:FilterDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetFilterDescriptorByIdResult:** The FilterDescriptor that was returned.

#### 3.1.4.54.3 Complex Types

None.

#### 3.1.4.54.4 Simple Types

None.

#### 3.1.4.54.5 Attributes

None.

#### 3.1.4.54.6 Groups

None.

#### 3.1.4.54.7 Attribute Groups

None.

#### 3.1.4.55 GetFilterDescriptorsForMethod

This operation is used to retrieve the FilterDescriptors contained by the specified Method.

```
<wsdl:operation name="GetFilterDescriptorsForMethod">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethod"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```

```

edService/GetFilterDescriptorsForMethodResponse"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethodMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_MetadataException
StateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_BdcExceptionState
Fault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethodInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InvalidOperationE
xceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentException
Fault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethodArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentNullExcep
tionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentOutOfRang
eExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetFilterDescriptorsForMethod\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetFilterDescriptorsForMethod\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the Method is 0. <a href="#">&lt;52&gt;</a>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	A <b>Method</b> with the specified <b>MetadataObjectId</b> does not exist. <a href="#">&lt;53&gt;</a>

### 3.1.4.55.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.55.1.1

##### **BusinessDataCatalogSharedService\_GetFilterDescriptorsForMethod\_InputMessage**

The request WSDL message for the **GetFilterDescriptorsForMethod** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethod
```

The SOAP body contains the **GetFilterDescriptorsForMethod** element.

#### 3.1.4.55.1.2

##### **BusinessDataCatalogSharedService\_GetFilterDescriptorsForMethod\_OutputMessage**

The response WSDL message for the **GetFilterDescriptorsForMethod** WSDL operation.

The SOAP body contains the **GetFilterDescriptorsForMethodResponse** element.

#### 3.1.4.55.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.55.2.1 **GetFilterDescriptorsForMethod**

The input data for the **GetFilterDescriptorsForMethod** WSDL operation.

```
<xs:element name="GetFilterDescriptorsForMethod">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="methodId" type="xs:unsignedInt"/>
      <xs:element xmlns:q21="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q21:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodId:** The MetadataObjectId of the Method for which the FilterDescriptors are obtained.

**partitionId:** An empty GUID.

##### 3.1.4.55.2.2 **GetFilterDescriptorsForMethodResponse**

The result data for the **GetFilterDescriptorsForMethod** WSDL operation.

```
<xs:element name="GetFilterDescriptorsForMethodResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q22="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetFilterDescriptorsForMethodResult" type="q22:ArrayOfFilterDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
```

```
</xs:element>
```

**GetFilterDescriptorsForMethodResult:** The list of FilterDescriptors.

### 3.1.4.55.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.55.3.1 ArrayOfFilterDescriptorStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfFilterDescriptorStruct** complex type contains a list of FilterDescriptors.

```
<xs:complexType name="ArrayOfFilterDescriptorStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="FilterDescriptorStruct"
      nillable="true" type="tns:FilterDescriptorStruct"/>
  </xs:sequence>
</xs:complexType>
```

**FilterDescriptorStruct:** A FilterDescriptor of a Method.

### 3.1.4.55.4 Simple Types

None.

### 3.1.4.55.5 Attributes

None.

### 3.1.4.55.6 Groups

None.

### 3.1.4.55.7 Attribute Groups

None.

### 3.1.4.56 GetIdentifierById

This operation is used to retrieve the Identifier with the specified MetadataObjectId.

```
<wsdl:operation name="GetIdentifierById">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierById"
    message="tns:BusinessDataCatalogSharedService_GetIdentifierById_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierByIdResponse"
    message="tns:BusinessDataCatalogSharedService_GetIdentifierById_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierByIdArgumentOutOfRangeExceptionFault"/>
</wsdl:operation>
```

```

name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifierById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifierById_BdcExceptionStateFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifierById_InvalidOperationExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifierById_MetadataExceptionStateFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifierById_ArgumentExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifierById_ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetIdentifierById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetIdentifierById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified <b>MetadataObjectId</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	An Identifier with the specified <b>MetadataObjectId</b> does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.56.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.56.1.1

#### **BusinessDataCatalogSharedService\_GetIdentifierById\_InputMessage**

The request WSDL message for the **GetIdentifierById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierById
```

The SOAP body contains the **GetIdentifierById** element.

#### 3.1.4.56.1.2

##### **BusinessDataCatalogSharedService\_GetIdentifierById\_OutputMessage**

The response WSDL message for the **GetIdentifierById** WSDL operation.

The SOAP body contains the **GetIdentifierByIdResponse** element.

#### 3.1.4.56.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.56.2.1 **GetIdentifierById**

The input data for the **GetIdentifierById** WSDL operation.

```
<xs:element name="GetIdentifierById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="identifierId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:q10="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q10:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**identifierId:** The MetadataObjectId of the Identifier.

**performErrorCheck:** The value of this element MUST be ignored if an **Identifier** with the specified **MetadataObjectId** exists. If an **Identifier** with the specified **MetadataObjectId** does not exist and value of this element is **false**, the protocol server MUST set the value of the **GetIdentifierByIdResult** element to NULL.

**partitionId:** An empty GUID.

##### 3.1.4.56.2.2 **GetIdentifierByIdResponse**

The result data for the **GetIdentifierById** WSDL operation.

```
<xs:element name="GetIdentifierByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q11="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetIdentifierByIdResult" nillable="true" type="q11:IdentifierStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



**GetIdentifierByIdResult:** The Identifier that was returned.

### 3.1.4.56.3 Complex Types

None.

### 3.1.4.56.4 Simple Types

None.

### 3.1.4.56.5 Attributes

None.

### 3.1.4.56.6 Groups

None.

### 3.1.4.56.7 Attribute Groups

None.

## 3.1.4.57 GetIdentifiersForEntity

This operation is used to retrieve the Identifiers contained by the specified Entity.

```
<wsdl:operation name="GetIdentifiersForEntity">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntity"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityResponse"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentOutOfRangeExcep
tionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_BdcExceptionStateFault_
FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_InvalidOperationExcepti
onFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_MetadataExceptionStateF
ault_FaultMessage"/>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentExceptionFault_
FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentNullExceptionFa
ult_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetIdentifiersForEntity\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetIdentifiersForEntity\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the Entity is 0. <a href="#">&lt;54&gt;</a>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	An <b>Entity</b> with the specified <b>MetadataObjectId</b> does not exist. <a href="#">&lt;55&gt;</a>

### 3.1.4.57.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.57.1.1

#### **BusinessDataCatalogSharedService\_GetIdentifiersForEntity\_InputMessage**

The request WSDL message for the **GetIdentifiersForEntity** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Get
IdentifiersForEntity

```

The SOAP body contains the **GetIdentifiersForEntity** element.

#### 3.1.4.57.1.2

#### **BusinessDataCatalogSharedService\_GetIdentifiersForEntity\_OutputMessage**

The response WSDL message for the **GetIdentifiersForEntity** WSDL operation.

The SOAP body contains the **GetIdentifiersForEntityResponse** element.

### 3.1.4.57.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.57.2.1 GetIdentifiersForEntity

The input data for the **GetIdentifiersForEntity** WSDL operation.

```
<xs:element name="GetIdentifiersForEntity">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt"/>
      <xs:element xmlns:q12="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q12:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityId:** The MetadataObjectId of the Entity for which the Identifiers are obtained.

**partitionId:** An empty GUID.

#### 3.1.4.57.2.2 GetIdentifiersForEntityResponse

The result data for the **GetIdentifiersForEntity** WSDL operation.

```
<xs:element name="GetIdentifiersForEntityResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q13="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetIdentifiersForEntityResult" type="q13:ArrayOfIdentifierStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetIdentifiersForEntityResult:** The list of Identifiers.

### 3.1.4.57.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.57.3.1 ArrayOfIdentifierStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfIdentifierStruct** complex type contains a list of Identifiers.

```
<xs:complexType name="ArrayOfIdentifierStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="IdentifierStruct" nillable="true"
type="tns:IdentifierStruct"/>
  </xs:sequence>
</xs:complexType>
```

**IdentifierStruct:** An Identifier of an Entity.

#### 3.1.4.57.4 Simple Types

None.

#### 3.1.4.57.5 Attributes

None.

#### 3.1.4.57.6 Groups

None.

#### 3.1.4.57.7 Attribute Groups

None.

#### 3.1.4.58 GetImportProgress

This operation is used to retrieve the progress of an [ImportPackageWithProgress](#) operation, using the unique identifier provided by the client at the creation of the import operation.

```
<wsdl:operation name="GetImportProgress">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetImportProgress"
    message="tns:BusinessDataCatalogSharedService_GetImportProgress_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetImportProgressResponse"
    message="tns:BusinessDataCatalogSharedService_GetImportProgress_OutputMessage"/>
</wsdl:operation>
```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetImportProgress\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetImportProgress\_OutputMessage** response message.

##### 3.1.4.58.1 Messages

The following WSDL message definitions are specific to this operation.

###### 3.1.4.58.1.1

#### **BusinessDataCatalogSharedService\_GetImportProgress\_InputMessage**

The request WSDL message for the **GetImportProgress** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetImportProgress
```

The SOAP body contains the **GetImportProgress** element.

#### 3.1.4.58.1.2

### BusinessDataCatalogSharedService\_GetImportProgress\_OutputMessage

The response WSDL message for the **GetImportProgress** WSDL operation.

The SOAP body contains the **GetImportProgressResponse** element.

#### 3.1.4.58.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.58.2.1 GetImportProgress

The input data for the **GetImportProgress** WSDL operation.

```
<xs:element name="GetImportProgress">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q222="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="1" maxOccurs="1" name="jobId" type="q222:guid"/>
      <xs:element xmlns:q223="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="1" maxOccurs="1" name="partitionId" type="q223:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**jobId:** The identifier of the import operation for which the progress is to be retrieved.

**partitionId:** An empty GUID.

##### 3.1.4.58.2.2 GetImportProgressResponse

The result data for the **GetImportProgress** WSDL operation.

```
<xs:element name="GetImportProgressResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="GetImportProgressResult"
        type="xs:double"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetImportProgressResult:** The fraction of the operation that is finished. The value MUST be between 0 and 1 inclusive. The value MUST be 0 if **jobId** is not recognized as a current import job.

#### 3.1.4.58.3 Complex Types

None.

#### 3.1.4.58.4 Simple Types

None.



```

name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentNullException
Fault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetLevelForTypeDescriptor\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetLevelForTypeDescriptor\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the specified <b>TypeDescriptor</b> is 0. <a href="#">&lt;56&gt;</a>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	One of the following conditions applies: <ul style="list-style-type: none"> <li>The specified <b>TypeDescriptor</b> does not exist. <a href="#">&lt;57&gt;</a></li> <li>The specified <b>TypeDescriptor</b> is not the root of the <b>TypeDescriptor</b> tree and the parent of the specified <b>TypeDescriptor</b> does not exist.</li> <li>An ancestor of the specified <b>TypeDescriptor</b> is not the root of the <b>TypeDescriptor</b> tree that contains the specified <b>TypeDescriptor</b> and the parent of the ancestor does not exist.</li> </ul>

### 3.1.4.59.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.59.1.1

#### **BusinessDataCatalogSharedService\_GetLevelForTypeDescriptor\_InputMessage**

The request WSDL message for the **GetLevelForTypeDescriptor** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Get
LevelForTypeDescriptor

```

The SOAP body contains the **GetLevelForTypeDescriptor** element.

#### 3.1.4.59.1.2

#### **BusinessDataCatalogSharedService\_GetLevelForTypeDescriptor\_OutputMessage**

The response WSDL message for the **GetLevelForTypeDescriptor** WSDL operation.

The SOAP body contains the **GetLevelForTypeDescriptorResponse** element.

### 3.1.4.59.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.59.2.1 GetLevelForTypeDescriptor

The input data for the **GetLevelForTypeDescriptor** WSDL operation.

```
<xs:element name="GetLevelForTypeDescriptor">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q56="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="typeDescriptorStruct" type="q56:TypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**typeDescriptorStruct:** The TypeDescriptor.

#### 3.1.4.59.2.2 GetLevelForTypeDescriptorResponse

The result data for the **GetLevelForTypeDescriptor** WSDL operation.

```
<xs:element name="GetLevelForTypeDescriptorResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="GetLevelForTypeDescriptorResult"
type="xs:unsignedInt"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLevelForTypeDescriptorResult:** The depth of the specified TypeDescriptor in the **TypeDescriptor** tree that contains the **TypeDescriptor**.

### 3.1.4.59.3 Complex Types

None.

### 3.1.4.59.4 Simple Types

None.

### 3.1.4.59.5 Attributes

None.

### 3.1.4.59.6 Groups

None.



### 3.1.4.59.7 Attribute Groups

None.

### 3.1.4.60 GetLobSystemAllAssembliesBytes

This operation is used to retrieve the Business Logic Modules associated with the specified LobSystem, if the systemType element of the specified **LobSystem** does not have the value "Custom". If the systemType element of the specified **LobSystem** has the value "Custom", the behavior of this operation is implementation-specific. [<58>](#)

```
<wsdl:operation name="GetLobSystemAllAssembliesBytes">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetLobSystemAllAssembliesBytes"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetLobSystemAllAssembliesBytesResponse"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetLobSystemAllAssembliesBytesArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentExceptio
    nFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetLobSystemAllAssembliesBytesArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentNullExce
    ptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetLobSystemAllAssembliesBytesArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentOutOfRan
    geExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetLobSystemAllAssembliesBytesBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_BdcExceptionStat
    eFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetLobSystemAllAssembliesBytesInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InvalidOperation
    ExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetLobSystemAllAssembliesBytesMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_MetadataExceptio
    nStateFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetLobSystemAllAssembliesBytes\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetLobSystemAllAssembliesBytes\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal in whose context the protocol client is operating is not authorized to read the specified <b>LobSystem</b> . <a href="#">&lt;59&gt;</a>
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the specified <b>LobSystem</b> is 0.

### 3.1.4.60.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.60.1.1

#### **BusinessDataCatalogSharedService\_GetLobSystemAllAssembliesBytes\_InputMessage**

The request WSDL message for the **GetLobSystemAllAssembliesBytes** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemAllAssembliesBytes
```

The SOAP body contains the **GetLobSystemAllAssembliesBytes** element.

#### 3.1.4.60.1.2

#### **BusinessDataCatalogSharedService\_GetLobSystemAllAssembliesBytes\_OutputMessage**

The response WSDL message for the **GetLobSystemAllAssembliesBytes** WSDL operation.

The SOAP body contains the **GetLobSystemAllAssembliesBytesResponse** element.

### 3.1.4.60.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.60.2.1 **GetLobSystemAllAssembliesBytes**

The input data for the **GetLobSystemAllAssembliesBytes** WSDL operation.

```
<xs:element name="GetLobSystemAllAssembliesBytes">
  <xs:complexType>
    <xs:sequence>
```

```

        <xs:element xmlns:q93="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="lobSystemStruct" type="q93:LobSystemStruct"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

**lobSystemStruct:** The LobSystem.

### 3.1.4.60.2.2 GetLobSystemAllAssembliesBytesResponse

The result data for the **GetLobSystemAllAssembliesBytes** WSDL operation.

```

<xs:element name="GetLobSystemAllAssembliesBytesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q94="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="1" maxOccurs="1" name="GetLobSystemAllAssembliesBytesResult"
type="q94:ArrayOfbase64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetLobSystemAllAssembliesBytesResult:** The list of Business Logic Modules. If the specified LobSystem is not associated with any Business Logic Module, this element MUST NOT be present.

### 3.1.4.60.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.60.3.1 ArrayOfbase64Binary

**Namespace:** http://schemas.microsoft.com/2003/10/Serialization/Arrays

The **ArrayOfbase64Binary** complex type MUST be an array of elements, where each element contains data encoded with Base 64 encoding.

```

<xs:complexType name="ArrayOfbase64Binary">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="base64Binary" nillable="true"
type="xs:base64Binary"/>
  </xs:sequence>
</xs:complexType>

```

**base64Binary:** Data encoded with Base 64 encoding.

#### 3.1.4.60.4 Simple Types

None.

#### 3.1.4.60.5 Attributes

None.

### 3.1.4.60.6 Groups

None.

### 3.1.4.60.7 Attribute Groups

None.

### 3.1.4.61 GetLobSystemById

This operation retrieves the LobSystem with the specified MetadataObjectId.

```
<wsdl:operation name="GetLobSystemById">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemById"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemById_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByIdResponse"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemById_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemById_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByIdArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemById_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByIdInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemById_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemById_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByIdArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemById_ArgumentExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetLobSystemById\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetLobSystemById\_OutputMessage** response message, unless any one of the conditions in the following table is met. If any one of the conditions in the

following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	One of the following conditions applies: <ul style="list-style-type: none"> <li>▪ The security principal (2) in whose context the protocol client is operating is not authorized to modify the LobSystem with the specified MetadataObjectId.</li> <li>▪ A LobSystem with the specified MetadataObjectId does not exist and the value of the <b>performErrorCheck</b> element is "false".</li> </ul>
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified <b>MetadataObjectId</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	A <b>LobSystem</b> with the specified <b>MetadataObjectId</b> does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.61.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.61.1.1

#### **BusinessDataCatalogSharedService\_GetLobSystemById\_InputMessage**

The request WSDL message for the **GetLobSystemById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemById
```

The SOAP body contains the **GetLobSystemById** element.

#### 3.1.4.61.1.2

#### **BusinessDataCatalogSharedService\_GetLobSystemById\_OutputMessage**

The response WSDL message for the **GetLobSystemById** WSDL operation.

The SOAP body contains the **GetLobSystemByIdResponse** element.

### 3.1.4.61.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.61.2.1 **GetLobSystemById**

The input data for the **GetLobSystemById** WSDL operation.

```

<xs:element name="GetLobSystemById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:q106="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q106:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**lobSystemId:** The MetadataObjectId of the LobSystem that will be retrieved.

**performErrorCheck:** The value of this element MUST be ignored if a **LobSystem** with the specified **MetadataObjectId** exists. If a **LobSystem** with the specified **MetadataObjectId** does not exist and value of this element is **false**, the protocol server MUST set the value of the **GetLobSystemByIdResult** element to NULL. [<60>](#)

**partitionId:** An empty GUID.

### 3.1.4.61.2.2 GetLobSystemByIdResponse

The result data for the **GetLobSystemById** WSDL operation.

```

<xs:element name="GetLobSystemByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q107="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetLobSystemByIdResult" nillable="true" type="q107:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetLobSystemByIdResult:** The LobSystem. The partition of the **LobSystem** MUST be an empty GUID.

### 3.1.4.61.3 Complex Types

None.

### 3.1.4.61.4 Simple Types

None.

### 3.1.4.61.5 Attributes

None.

### 3.1.4.61.6 Groups

None.

### 3.1.4.61.7 Attribute Groups

None.

### 3.1.4.62 GetLobSystemByName

This operation is used to retrieve the specified LobSystem.

```
<wsdl:operation name="GetLobSystemByName">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByName"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameResponse"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetLobSystemByName\_InputMessage** request

message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetLobSystemByName\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section

[2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to read<61> the specified LobSystem.
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	The specified name length exceeds 255 characters.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>LobSystem</b> does not exist.

### 3.1.4.62.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.62.1.1

#### **BusinessDataCatalogSharedService\_GetLobSystemByName\_InputMessage**

The request WSDL message for the **GetLobSystemByName** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByName
```

The SOAP body contains the **GetLobSystemByName** element.

#### 3.1.4.62.1.2

#### **BusinessDataCatalogSharedService\_GetLobSystemByName\_OutputMessage**

The response WSDL message for the **GetLobSystemByName** WSDL operation.

The SOAP body contains the **GetLobSystemByNameResponse** element.

### 3.1.4.62.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.62.2.1 GetLobSystemByName

The input data for the **GetLobSystemByName** WSDL operation.

```
<xs:element name="GetLobSystemByName">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string"/>
      <xs:element xmlns:q102="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q102:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



**name:** The name of the LobSystem.

**partitionId:** An empty GUID.

### 3.1.4.62.2 GetLobSystemByNameResponse

The result data for the **GetLobSystemByName** WSDL operation.

```
<xs:element name="GetLobSystemByNameResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q103="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetLobSystemByNameResult" type="q103:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLobSystemByNameResult:** The LobSystem with the specified name.

### 3.1.4.62.3 Complex Types

None.

### 3.1.4.62.4 Simple Types

None.

### 3.1.4.62.5 Attributes

None.

### 3.1.4.62.6 Groups

None.

### 3.1.4.62.7 Attribute Groups

None.

### 3.1.4.63 GetLobSystemDataByLobSystem

This operation is used to retrieve Business Logic Modules [62](#) associated with the specified LobSystem.

```
<wsdl:operation name="GetLobSystemDataByLobSystem">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystem"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemResponse"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemArgumentNullExceptionFault"
```

```

name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentNullExcepti
onFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentOutOfRangeE
xceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_BdcExceptionStateFa
ult_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InvalidOperationExc
eptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_MetadataExceptionSt
ateFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentExceptionFa
ult_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetLobSystemDataByLobSystem\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetLobSystemDataByLobSystem\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to read the specified LobSystem. <a href="#">&lt;63&gt;</a>
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the specified <b>LobSystem</b> is 0. <a href="#">&lt;64&gt;</a>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>LobSystem</b> does not exist.

### 3.1.4.63.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.63.1.1

##### **BusinessDataCatalogSharedService\_GetLobSystemDataByLobSystem\_InputMessage**

The request WSDL message for the **GetLobSystemDataByLobSystem** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemDataByLobSystem
```

The SOAP body contains the **GetLobSystemDataByLobSystem** element.

#### 3.1.4.63.1.2

##### **BusinessDataCatalogSharedService\_GetLobSystemDataByLobSystem\_OutputMessage**

The response WSDL message for the **GetLobSystemDataByLobSystem** WSDL operation.

The SOAP body contains the **GetLobSystemDataByLobSystemResponse** element.

#### 3.1.4.63.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.63.2.1 **GetLobSystemDataByLobSystem**

The input data for the **GetLobSystemDataByLobSystem** WSDL operation.

```
<xs:element name="GetLobSystemDataByLobSystem">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q95="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="lobSystemStruct" type="q95:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemStruct:** The LobSystem.

##### 3.1.4.63.2.2 **GetLobSystemDataByLobSystemResponse**

The result data for the **GetLobSystemDataByLobSystem** WSDL operation.

```
<xs:element name="GetLobSystemDataByLobSystemResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element
xmlns:q96="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
minOccurs="0" maxOccurs="1" name="GetLobSystemDataByLobSystemResult" nillable="true"
type="q96:ProxyGenerationResult"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLobSystemDataByLobSystemResult:** The information about the Business Logic Modules [<65>](#65) associated with the specified LobSystem.

### 3.1.4.63.3 Complex Types

None.

### 3.1.4.63.4 Simple Types

None.

### 3.1.4.63.5 Attributes

None.

### 3.1.4.63.6 Groups

None.

### 3.1.4.63.7 Attribute Groups

None.

### 3.1.4.64 GetLobSystemInstanceById

This operation is used to retrieve the LobSystemInstance with the specified MetadataObjectId.

```
<wsdl:operation name="GetLobSystemInstanceById">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceById"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceByIdResponse"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceByIdMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceByIdArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceByIdArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentNullExceptionFault_FaultMessage"/>
```

```

<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentOutOfRangeExce
ptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_InvalidOperationExcept
ionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetLobSystemInstanceById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetLobSystemInstanceById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	One of the following conditions applies: <ul style="list-style-type: none"> <li>The security principal (2) in whose context the protocol client is operating is not authorized to modify the LobSystemInstance with the specified MetadataObjectId.</li> <li>A LobSystemInstance with the specified MetadataObjectId does not exist and the value of the <b>performErrorCheck</b> element is <b>false</b>.</li> </ul>
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified <b>MetadataObjectId</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	A <b>LobSystemInstance</b> with the specified <b>MetadataObjectId</b> does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.64.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.64.1.1

#### **BusinessDataCatalogSharedService\_GetLobSystemInstanceById\_InputMessage**

The request WSDL message for the **GetLobSystemInstanceById** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceById>

The SOAP body contains the **GetLobSystemInstanceById** element.

#### 3.1.4.64.1.2

#### **BusinessDataCatalogSharedService\_GetLobSystemInstanceById\_OutputMessage**

The response WSDL message for the **GetLobSystemInstanceById** WSDL operation.

The SOAP body contains the **GetLobSystemInstanceByIdResponse** element.

#### 3.1.4.64.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.64.2.1 **GetLobSystemInstanceById**

The input data for the **GetLobSystemInstanceById** WSDL operation.

```
<xs:element name="GetLobSystemInstanceById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="lobSystemInstanceId"
type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:q114="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q114:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemInstanceId:** The MetadataObjectId of the LobSystemInstance.

**performErrorCheck:** The value of this element MUST be ignored if a **LobSystemInstance** with the specified **MetadataObjectId** exists. If a **LobSystemInstance** with the specified **MetadataObjectId** does not exist and value of this element is **false**, the protocol server MUST set the value of the **GetLobSystemInstanceByIdResult** element to NULL.

**partitionId:** An empty GUID.

##### 3.1.4.64.2.2 **GetLobSystemInstanceByIdResponse**

The result data for the **GetLobSystemInstanceById** WSDL operation.

```
<xs:element name="GetLobSystemInstanceByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q115="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetLobSystemInstanceByIdResult" nillable="true" type="q115:LobSystemInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLobSystemInstanceIdResult:** The LobSystemInstance.

### 3.1.4.64.3 Complex Types

None.

### 3.1.4.64.4 Simple Types

None.

### 3.1.4.64.5 Attributes

None.

### 3.1.4.64.6 Groups

None.

### 3.1.4.64.7 Attribute Groups

None.

### 3.1.4.65 GetLobSystemInstancesForLobSystem

This operation is used to retrieve the list of LobSystemInstances of the specified LobSystem. Only the **LobSystemInstances** that the security principal (2) in whose context the protocol client is operating is authorized to read<66> are returned.

```
<wsdl:operation name="GetLobSystemInstancesForLobSystem">  
  <wsdl:input  
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar  
edService/GetLobSystemInstancesForLobSystem"  
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InputMessage"  
/>  
  <wsdl:output  
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar  
edService/GetLobSystemInstancesForLobSystemResponse"  
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_OutputMessage"  
/>  
  <wsdl:fault  
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar  
edService/GetLobSystemInstancesForLobSystemBdcExceptionStateFault"  
name="BdcExceptionStateFault"  
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_BdcExceptions  
tateFault_FaultMessage"/>  
  <wsdl:fault  
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar  
edService/GetLobSystemInstancesForLobSystemArgumentOutOfRangeExceptionFault"  
name="ArgumentOutOfRangeExceptionFault"  
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentOutOf  
RangeExceptionFault_FaultMessage"/>  
  <wsdl:fault  
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar  
edService/GetLobSystemInstancesForLobSystemInvalidOperationExceptionFault"  
name="InvalidOperationExceptionFault"  
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InvalidOperat  
ionExceptionFault_FaultMessage"/>  
  <wsdl:fault  
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```

```

edService/GetLobSystemInstancesForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_MetadataExcep
tionStateFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentExcep
tionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentNullE
xceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetLobSystemInstancesForLobSystem\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetLobSystemInstancesForLobSystem\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0. <a href="#">&lt;67&gt;</a>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified LobSystem does not exist. <a href="#">&lt;68&gt;</a>

### 3.1.4.65.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.65.1.1

#### **BusinessDataCatalogSharedService\_GetLobSystemInstancesForLobSystem\_InputMessage**

The request WSDL message for the **GetLobSystemInstancesForLobSystem** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Get
LobSystemInstancesForLobSystem

```

The SOAP body contains the **GetLobSystemInstancesForLobSystem** element.



#### 3.1.4.65.1.2

### BusinessDataCatalogSharedService\_GetLobSystemInstancesForLobSystem\_OutputMessage

The response WSDL message for the **GetLobSystemInstancesForLobSystem** WSDL operation.

The SOAP body contains the **GetLobSystemInstancesForLobSystemResponse** element.

#### 3.1.4.65.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.65.2.1 GetLobSystemInstancesForLobSystem

The input data for the **GetLobSystemInstancesForLobSystem** WSDL operation.

```
<xs:element name="GetLobSystemInstancesForLobSystem">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element xmlns:q112="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q112:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemId:** The MetadataObjectId of the LobSystem.

**partitionId:** An empty GUID.

##### 3.1.4.65.2.2 GetLobSystemInstancesForLobSystemResponse

The result data for the **GetLobSystemInstancesForLobSystem** WSDL operation.

```
<xs:element name="GetLobSystemInstancesForLobSystemResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q113="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetLobSystemInstancesForLobSystemResult" type="q113:ArrayOfLobSystemInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLobSystemInstancesForLobSystemResult:** The list of LobSystemInstances of the specified LobSystem.

#### 3.1.4.65.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

##### 3.1.4.65.3.1 ArrayOfLobSystemInstanceStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfLobSystemInstanceStruct** complex type is a list of complex types, each of which represents an **LobSystemInstance**.

```
<xs:complexType name="ArrayOfLobSystemInstanceStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="LobSystemInstanceStruct"
      nillable="true" type="tns:LobSystemInstanceStruct"/>
  </xs:sequence>
</xs:complexType>
```

**LobSystemInstanceStruct:** A complex type that represents an **LobSystemInstance**.

#### 3.1.4.65.4 Simple Types

None.

#### 3.1.4.65.5 Attributes

None.

#### 3.1.4.65.6 Groups

None.

#### 3.1.4.65.7 Attribute Groups

None.

#### 3.1.4.66 GetLobSystemProxyAssemblyBytesByLobSystemId

This operation is used to retrieve the implementation-specific Business Logic Module [69](#) associated with the specified **LobSystem**.

```
<wsdl:operation name="GetLobSystemProxyAssemblyBytesByLobSystemId">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemProxyAssemblyBytesByLobSystemId"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemProxyAssemblyBytesByLobSystemIdResponse"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemProxyAssemblyBytesByLobSystemIdArgumentExceptionFault"
    name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemProxyAssemblyBytesByLobSystemIdArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Bdc
ExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Inv
alidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Met
adataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Arg
umentNullExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetLobSystemProxyAssemblyBytesByLobSystemId\_I  
nputMessage** request message, and the protocol server MUST respond with a  
**BusinessDataCatalogSharedService\_GetLobSystemProxyAssemblyBytesByLobSystemId\_O  
utputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal in whose context the protocol client is operating is not authorized to read <a href="#">70</a> the specified LobSystem.
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the specified LobSystem is 0.
<b>InvalidMetadataPropertyExceptionState</b> (section <a href="#">2.2.4.38</a> )	The specified LobSystem has an invalid value for the Property named "SystemUtilityTypeName". The validity of this Property is specified in section <a href="#">3.1.4.82.2.2</a> .
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified LobSystem does not exist.

### 3.1.4.66.1 Messages

The following WSDL message definitions are specific to this operation.

### 3.1.4.66.1.1

#### **BusinessDataCatalogSharedService\_GetLobSystemProxyAssemblyBytesByLobSystemId\_InputMessage**

The request WSDL message for the **GetLobSystemProxyAssemblyBytesByLobSystemId** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemProxyAssemblyBytesByLobSystemId
```

The SOAP body contains the **GetLobSystemProxyAssemblyBytesByLobSystemId** element.

### 3.1.4.66.1.2

#### **BusinessDataCatalogSharedService\_GetLobSystemProxyAssemblyBytesByLobSystemId\_OutputMessage**

The response WSDL message for the **GetLobSystemProxyAssemblyBytesByLobSystemId** WSDL operation.

The SOAP body contains the **GetLobSystemProxyAssemblyBytesByLobSystemIdResponse** element.

### 3.1.4.66.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.66.2.1 **GetLobSystemProxyAssemblyBytesByLobSystemId**

The input data for the **GetLobSystemProxyAssemblyBytesByLobSystemId** WSDL operation.

```
<xs:element name="GetLobSystemProxyAssemblyBytesByLobSystemId">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q92="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="lobSystemStruct" type="q92:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemStruct:** The LobSystem to retrieve the implementation-specific Business Logic Module from.

#### 3.1.4.66.2.2 **GetLobSystemProxyAssemblyBytesByLobSystemIdResponse**

The result data for the **GetLobSystemProxyAssemblyBytesByLobSystemId** WSDL operation.

```
<xs:element name="GetLobSystemProxyAssemblyBytesByLobSystemIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1"
name="GetLobSystemProxyAssemblyBytesByLobSystemIdResult" nillable="true"
type="xs:base64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

        </xs:sequence>
    </xs:complexType>
</xs:element>

```

**GetLobSystemProxyAssemblyBytesByLobSystemIdResult:** The bytes of the implementation-specific Business Logic Module [<71>](#71) associated with the specified LobSystem. If more than one Business Logic Module exists for the specified **LobSystem**, this element MUST contain the bytes of the first defined Business Logic Module as specified in [\[MS-BDCMFFS\]](#MS-BDCMFFS) section 2.1.4.7. If no Business Logic Module is found for the specified **LobSystem**, this element MUST be NULL.

### 3.1.4.66.3 Complex Types

None.

### 3.1.4.66.4 Simple Types

None.

### 3.1.4.66.5 Attributes

None.

### 3.1.4.66.6 Groups

None.

### 3.1.4.66.7 Attribute Groups

None.

### 3.1.4.67 GetLobSystemsLikeName

This operation is used to retrieve the LobSystems that match the specified wildcard pattern that the security principal in whose context the protocol client is operating is authorized to read. [<72>](#72)

A **LobSystem** matches the wildcard pattern specified by **searchLikeName** if and only if **searchLikeName** matches the name of the **LobSystem**, or the localized name of the **LobSystem** with LCID 0, or the localized name of the **LobSystem** with the LCID specified by **callerCultureLcid**.

```

<wsdl:operation name="GetLobSystemsLikeName">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeName"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameResponse"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameInvalidOperationExceptionFault"

```

```

name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_InvalidOperationExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_MetadataExceptionStateFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentNullExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetLobSystemsLikeName\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetLobSystemsLikeName\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	One of the following conditions applies: <ul style="list-style-type: none"> <li>▪ The length of the specified wildcard pattern exceeds 255 characters.</li> <li>▪ The format of the specified wildcard pattern is invalid.</li> </ul>

### 3.1.4.67.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.67.1.1

#### **BusinessDataCatalogSharedService\_GetLobSystemsLikeName\_InputMessage**

The request WSDL message for the **GetLobSystemsLikeName** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeName>

The SOAP body contains the **GetLobSystemsLikeName** element.

### 3.1.4.67.1.2

#### **BusinessDataCatalogSharedService\_GetLobSystemsLikeName\_OutputMessage**

The response WSDL message for the **GetLobSystemsLikeName** WSDL operation.

The SOAP body contains the **GetLobSystemsLikeNameResponse** element.

### 3.1.4.67.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.67.2.1 **GetLobSystemsLikeName**

The input data for the **GetLobSystemsLikeName** WSDL operation.

```
<xs:element name="GetLobSystemsLikeName">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="searchLikeName" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int"/>
      <xs:element xmlns:q104="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q104:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**searchLikeName:** The wildcard pattern to be used to retrieve the LobSystems whose name or localized name matches the wildcard pattern. Following is the ABNF for the **searchLikeName**:

```
searchLikeName = 1 * (Literal / Escape / Wildcard)
Literal = %x00-29 / %x2B-5B / %x5D-FF
Wildcard = %x2A
Escape = EscapeBackSlash / EscapeWildcard
EscapeBackSlash = %x5C %x5C
EscapeWildcard = %x5C %x2A
```

The protocol server MUST match the name or localized name of the **LobSystems** with the value of **searchLikeName** when the EscapeBackSlash, EscapeWildcard and Wildcard rules are changed as follows:

```
EscapeBackSlash = %x5C
EscapeWildcard = %x2A
Wildcard = * (%x00-FF)
```

**callerCultureLcid:** The LCID representing the locale to be used when retrieving the **LobSystems**.

**partitionId:** An empty GUID.

### 3.1.4.67.2.2 GetLobSystemsLikeNameResponse

The result data for the **GetLobSystemsLikeName** WSDL operation.

```
<xs:element name="GetLobSystemsLikeNameResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q105="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetLobSystemsLikeNameResult" type="q105:ArrayOfLobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLobSystemsLikeNameResult:** The list of LobSystems.

### 3.1.4.67.3 Complex Types

None.

### 3.1.4.67.4 Simple Types

None.

### 3.1.4.67.5 Attributes

None.

### 3.1.4.67.6 Groups

None.

### 3.1.4.67.7 Attribute Groups

None.

### 3.1.4.68 GetLobSystemsReferencedByEntitiesAssociatedWithModel

This operation is used to retrieve the LobSystems that the security principal in whose context the protocol client is operating is authorized to read [73](#) that are referenced by Entities associated with the specified Model.

```
<wsdl:operation name="GetLobSystemsReferencedByEntitiesAssociatedWithModel">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModel"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"/>
```



```

message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelArgumentOutOfRangeExceptionFault
t" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_ArgumentExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetLobSystemsReferencedByEntitiesAssociatedWithModel\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetLobSystemsReferencedByEntitiesAssociatedWithModel\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0. <a href="#">&lt;74&gt;</a>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified Model does not exist. <a href="#">&lt;75&gt;</a>

### 3.1.4.68.1 Messages

The following WSDL message definitions are specific to this operation.

### 3.1.4.68.1.1

#### **BusinessDataCatalogSharedService\_GetLobSystemsReferencedByEntitiesAssociatedWithModel\_InputMessage**

The request WSDL message for the **GetLobSystemsReferencedByEntitiesAssociatedWithModel** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsReferencedByEntitiesAssociatedWithModel
```

The SOAP body contains the **GetLobSystemsReferencedByEntitiesAssociatedWithModel** element.

### 3.1.4.68.1.2

#### **BusinessDataCatalogSharedService\_GetLobSystemsReferencedByEntitiesAssociatedWithModel\_OutputMessage**

The response WSDL message for the **GetLobSystemsReferencedByEntitiesAssociatedWithModel** WSDL operation.

The SOAP body contains the **GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse** element.

### 3.1.4.68.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.68.2.1 **GetLobSystemsReferencedByEntitiesAssociatedWithModel**

The input data for the **GetLobSystemsReferencedByEntitiesAssociatedWithModel** WSDL operation.

```
<xs:element name="GetLobSystemsReferencedByEntitiesAssociatedWithModel">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="modelId" type="xs:unsignedInt"/>
      <xs:element
        xmlns:q99="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.Administration.Client.Constants" minOccurs="1" maxOccurs="1" name="queryMode"
        type="q99:LobSystemConstants.LobSystemsInModelQuery"/>
      <xs:element xmlns:q100="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="1" maxOccurs="1" name="partitionId" type="q100:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**modelId:** The MetadataObjectId for the specified Model.

**queryMode:** The mode which specifies the LobSystems to be retrieved. The value MUST be a **LobSystemConstants.LobSystemsInModelQuery** (section [3.1.4.68.4.1](#)).

**partitionId:** An empty GUID.

### 3.1.4.68.2.2 GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse

The result data for the **GetLobSystemsReferencedByEntitiesAssociatedWithModel** WSDL operation.

```
<xs:element name="GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q101="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetLobSystemsReferencedByEntitiesAssociatedWithModelResult"
type="q101:ArrayOfLobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLobSystemsReferencedByEntitiesAssociatedWithModelResult:** The list of LobSystems.

### 3.1.4.68.3 Complex Types

None.

### 3.1.4.68.4 Simple Types

The following XML Schema simple type definitions are specific to this operation.

#### 3.1.4.68.4.1 LobSystemConstants.LobSystemsInModelQuery

##### Namespace:

<http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.Administration.Client.Constants>

The **LobSystemConstants.LobSystemsInModelQuery** simple type specifies the mode which determines the LobSystems to be retrieved.

```
<xs:simpleType name="LobSystemConstants.LobSystemsInModelQuery">
  <xs:restriction base="xs:string">
    <xs:enumeration value="AllLobSystemsInModel"/>
    <xs:enumeration value="OwnedLobSystemsInModel"/>
    <xs:enumeration value="SharedLobSystemsInModel"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for LobSystemConstants.LobSystemsInModelQuery:

Value	Meaning
AllLobSystemsInModel	All <b>LobSystems</b> referenced by the specified Model.
OwnedLobSystemsInModel	<b>LobSystems</b> referenced only by the specified <b>Model</b> . The returned <b>LobSystems</b> MUST not include <b>LobSystems</b> that are referenced by other <b>Models</b> .
SharedLobSystemsInModel	<b>LobSystems</b> referenced by the specified <b>Model</b> and by other <b>Models</b> . The returned <b>LobSystems</b> MUST not include <b>LobSystems</b> that are referenced

Value	Meaning
	only by the specified <b>Model</b> .

### 3.1.4.68.5 Attributes

None.

### 3.1.4.68.6 Groups

None.

### 3.1.4.68.7 Attribute Groups

None.

### 3.1.4.69 GetMethodById

This operation is used to retrieve the Method with the specified MetadataObjectId.

```

<wsdl:operation name="GetMethodById">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodById"
    message="tns:BusinessDataCatalogSharedService_GetMethodById_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdResponse"
    message="tns:BusinessDataCatalogSharedService_GetMethodById_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodById_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodById_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodById_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodById_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodById_ArgumentNullExceptionFault_FaultMessage"/>

```

</wsdl:operation>

The protocol client sends a

**BusinessDataCatalogSharedService\_GetMethodById\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetMethodById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified <b>MetadataObjectId</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	A Method with the specified <b>MetadataObjectId</b> does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.69.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.69.1.1 BusinessDataCatalogSharedService\_GetMethodById\_InputMessage

The request WSDL message for the **GetMethodById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodById
```

The SOAP body contains the **GetMethodById** element.

#### 3.1.4.69.1.2 BusinessDataCatalogSharedService\_GetMethodById\_OutputMessage

The response WSDL message for the **GetMethodById** WSDL operation.

The SOAP body contains the **GetMethodByIdResponse** element.

### 3.1.4.69.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.69.2.1 GetMethodById

The input data for the **GetMethodById** WSDL operation.

```
<xs:element name="GetMethodById">  
  <xs:complexType>
```

```

<xs:sequence>
  <xs:element minOccurs="1" maxOccurs="1" name="methodId" type="xs:unsignedInt"/>
  <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
  <xs:element xmlns:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q14:guid"/>
</xs:sequence>
</xs:complexType>
</xs:element>

```

**methodId:** The MetadataObjectId of the Method.

**performErrorCheck:** The value of this element MUST be ignored if a **Method** with the specified **MetadataObjectId** exists. If **Method** with the specified **MetadataObjectId** does not exist and value of this element is **false**, the protocol server MUST set the value of the **GetMethodByIdResult** element to NULL.

**partitionId:** An empty GUID.

### 3.1.4.69.2.2 GetMethodByIdResponse

The result data for the **GetMethodById** WSDL operation.

```

<xs:element name="GetMethodByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q15="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetMethodByIdResult" nillable="true" type="q15:MethodStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetMethodByIdResult:** The Method.

### 3.1.4.69.3 Complex Types

None.

### 3.1.4.69.4 Simple Types

None.

### 3.1.4.69.5 Attributes

None.

### 3.1.4.69.6 Groups

None.

### 3.1.4.69.7 Attribute Groups

None.

### 3.1.4.70 GetMethodInstanceById

This operation is used to retrieve the MethodInstance with the specified MetadataObjectId.

```
<wsdl:operation name="GetMethodInstanceById">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceById"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetMethodInstanceById\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetMethodInstanceById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	A MethodInstance with the specified <b>MetadataObjectId</b> does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.70.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.70.1.1

#### **BusinessDataCatalogSharedService\_GetMethodInstanceById\_InputMessage**

The request WSDL message for the **GetMethodInstanceById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceById
```

The SOAP body contains the **GetMethodInstanceById** element.

#### 3.1.4.70.1.2

#### **BusinessDataCatalogSharedService\_GetMethodInstanceById\_OutputMessage**

The response WSDL message for the **GetMethodInstanceById** WSDL operation.

The SOAP body contains the **GetMethodInstanceByIdResponse** element.

### 3.1.4.70.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.70.2.1 GetMethodInstanceById

The input data for the **GetMethodInstanceById** WSDL operation.

```
<xs:element name="GetMethodInstanceById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="methodInstanceId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:q23="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q23:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodInstanceId:** The MetadataObjectId for the MethodInstance.



**performErrorCheck:** The value of this element MUST be ignored if a **MethodInstance** with the specified **MetadataObjectId** exists. If a **MethodInstance** with the specified **MetadataObjectId** does not exist and value of this element is false, the protocol server MUST set the value of the **GetMethodInstanceByIdResult** element to NULL.

**partitionId:** An empty GUID.

### 3.1.4.70.2.2 GetMethodInstanceByIdResponse

The result data for the **GetMethodInstanceById** WSDL operation.

```
<xs:element name="GetMethodInstanceByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q24="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetMethodInstanceByIdResult" nillable="true" type="q24:MethodInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetMethodInstanceByIdResult:** The MethodInstance.

### 3.1.4.70.3 Complex Types

None.

### 3.1.4.70.4 Simple Types

None.

### 3.1.4.70.5 Attributes

None.

### 3.1.4.70.6 Groups

None.

### 3.1.4.70.7 Attribute Groups

None.

### 3.1.4.71 GetMethodInstancesForDataClass

This operation is used to retrieve the MethodInstances contained by the Methods contained by the specified DataClass.

```
<wsdl:operation name="GetMethodInstancesForDataClass">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClass"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```

```

edService/GetMethodInstancesForDataClassResponse"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentNullExce
ptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_BdcExceptionStat
eFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InvalidOperation
ExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_MetadataExceptio
nStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentExceptio
nFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentOutOfRan
geExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetMethodInstancesForDataClass\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetMethodInstancesForDataClass\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified DataClass does not exist. <a href="#">&lt;76&gt;</a>

### 3.1.4.71.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.71.1.1

##### **BusinessDataCatalogSharedService\_GetMethodInstancesForDataClass\_InputMessage**

The request WSDL message for the **GetMethodInstancesForDataClass** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstancesForDataClass
```

The SOAP body contains the **GetMethodInstancesForDataClass** element.

#### 3.1.4.71.1.2

##### **BusinessDataCatalogSharedService\_GetMethodInstancesForDataClass\_OutputMessage**

The response WSDL message for the **GetMethodInstancesForDataClass** WSDL operation.

The SOAP body contains the **GetMethodInstancesForDataClassResponse** element.

#### 3.1.4.71.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.71.2.1 **GetMethodInstancesForDataClass**

The input data for the **GetMethodInstancesForDataClass** WSDL operation.

```
<xs:element name="GetMethodInstancesForDataClass">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="dataClassId" type="xs:unsignedInt"/>
      <xs:element xmlns:q25="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q25:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**dataClassId:** The MetadataObjectId for the DataClass.

**partitionId:** An empty GUID.

##### 3.1.4.71.2.2 **GetMethodInstancesForDataClassResponse**

The result data for the **GetMethodInstancesForDataClass** WSDL operation.

```
<xs:element name="GetMethodInstancesForDataClassResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q26="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetMethodInstancesForDataClassResult" type="q26:ArrayOfMethodInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
```

</xs:element>

**GetMethodInstancesForDataClassResult:** The list of MethodInstances.

### 3.1.4.71.3 Complex Types

None.

### 3.1.4.71.4 Simple Types

None.

### 3.1.4.71.5 Attributes

None.

### 3.1.4.71.6 Groups

None.

### 3.1.4.71.7 Attribute Groups

None.

### 3.1.4.72 GetMethodInstancesForMethod

This operation is used to retrieve the MethodInstances contained by the specified Method.

```
<wsdl:operation name="GetMethodInstancesForMethod">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetMethodInstancesForMethod"
    message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetMethodInstancesForMethodResponse"
    message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetMethodInstancesForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_BdcExceptionStateFa
    ult_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetMethodInstancesForMethodInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_InvalidOperationExc
    eptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetMethodInstancesForMethodMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_MetadataExceptionSt
    ateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetMethodInstancesForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
```

```

message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstancesForMethodArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstancesForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetMethodInstancesForMethod\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetMethodInstancesForMethod\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified Method does not exist. <a href="#">&lt;77&gt;</a>

### 3.1.4.72.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.72.1.1

#### **BusinessDataCatalogSharedService\_GetMethodInstancesForMethod\_InputMessage**

The request WSDL message for the **GetMethodInstancesForMethod** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstancesForMethod

```

The SOAP body contains the **GetMethodInstancesForMethod** element.

#### 3.1.4.72.1.2

### **BusinessDataCatalogSharedService\_GetMethodInstancesForMethod\_OutputMessage**

The response WSDL message for the **GetMethodInstancesForMethod** WSDL operation.

The SOAP body contains the **GetMethodInstancesForMethodResponse** element.

#### 3.1.4.72.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.72.2.1 GetMethodInstancesForMethod

The input data for the **GetMethodInstancesForMethod** WSDL operation.

```
<xs:element name="GetMethodInstancesForMethod">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="methodId" type="xs:unsignedInt"/>
      <xs:element xmlns:q27="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q27:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodId:** The MetadataObjectId for the Method.

**partitionId:** An empty GUID.

##### 3.1.4.72.2.2 GetMethodInstancesForMethodResponse

The result data for the **GetMethodInstancesForMethod** WSDL operation.

```
<xs:element name="GetMethodInstancesForMethodResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q28="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetMethodInstancesForMethodResult" type="q28:ArrayOfMethodInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetMethodInstancesForMethodResult:** The list of MethodInstances.

#### 3.1.4.72.3 Complex Types

None.

#### 3.1.4.72.4 Simple Types

None.

### 3.1.4.72.5 Attributes

None.

### 3.1.4.72.6 Groups

None.

### 3.1.4.72.7 Attribute Groups

None.

### 3.1.4.73 GetMethodsForDataClass

This operation is used to retrieve the Methods contained by the specified DataClass.

```
<wsdl:operation name="GetMethodsForDataClass">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClass"
    message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClassResponse"
    message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClassInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClassBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClassArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClassMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClassArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClassArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetMethodsForDataClass\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetMethodsForDataClass\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section 2.2.4.9)	The specified MetadataObjectId is 0. <a href="#">&lt;78&gt;</a>
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified DataClass does not exist. <a href="#">&lt;79&gt;</a>

### 3.1.4.73.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.73.1.1

##### **BusinessDataCatalogSharedService\_GetMethodsForDataClass\_InputMessage**

The request WSDL message for the **GetMethodsForDataClass** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClass
```

The SOAP body contains the **GetMethodsForDataClass** element.

#### 3.1.4.73.1.2

##### **BusinessDataCatalogSharedService\_GetMethodsForDataClass\_OutputMessage**

The response WSDL message for the **GetMethodsForDataClass** WSDL operation.

The SOAP body contains the **GetMethodsForDataClassResponse** element.

### 3.1.4.73.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.73.2.1 GetMethodsForDataClass

The input data for the **GetMethodsForDataClass** WSDL operation.

```
<xs:element name="GetMethodsForDataClass">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="dataClassId" type="xs:unsignedInt"/>
    
```



```

        <xs:element xmlns:q16="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q16:guid"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

**dataClassId:** The MetadataObjectId of the DataClass.

**partitionId:** An empty GUID.

### 3.1.4.73.2.2 GetMethodsForDataClassResponse

The result data for the **GetMethodsForDataClass** WSDL operation.

```

<xs:element name="GetMethodsForDataClassResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q17="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetMethodsForDataClassResult" type="q17:ArrayOfMethodStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetMethodsForDataClassResult:** The list of Methods.

### 3.1.4.73.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.73.3.1 ArrayOfMethodStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfMethodStruct** complex type contains a list of Methods.

```

<xs:complexType name="ArrayOfMethodStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="MethodStruct" nillable="true"
type="tns:MethodStruct"/>
  </xs:sequence>
</xs:complexType>

```

**MethodStruct:** The element contains information about a Method.

#### 3.1.4.73.4 Simple Types

None.

#### 3.1.4.73.5 Attributes

None.

### 3.1.4.73.6 Groups

None.

### 3.1.4.73.7 Attribute Groups

None.

### 3.1.4.74 GetModelById

This operation is used to retrieve the Model with the specified MetadataObjectId.

```
<wsdl:operation name="GetModelById">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelById"
    message="tns:BusinessDataCatalogSharedService_GetModelById_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdResponse"
    message="tns:BusinessDataCatalogSharedService_GetModelById_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetModelById_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetModelById_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetModelById_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetModelById_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetModelById_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetModelById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetModelById\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetModelById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server **MUST** instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error type condition is encountered, the protocol server **MUST** respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified <b>MetadataObjectId</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	A Model with the specified <b>MetadataObjectId</b> does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.74.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.74.1.1 BusinessDataCatalogSharedService\_GetModelById\_InputMessage

The request WSDL message for the **GetModelById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelById
```

The SOAP body contains the **GetModelById** element.

#### 3.1.4.74.1.2 BusinessDataCatalogSharedService\_GetModelById\_OutputMessage

The response WSDL message for the **GetModelById** WSDL operation.

The SOAP body contains the **GetModelByIdResponse** element.

### 3.1.4.74.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.74.2.1 GetModelById

The input data for the **GetModelById** WSDL operation.

```
<xs:element name="GetModelById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="modelId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:q226="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q226:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**modelId:** The MetadataObjectId for the Model.

**performErrorCheck:** The value of this element MUST be ignored if a **Model** with the specified **MetadataObjectId** exists. If a **Model** with the specified **MetadataObjectId** does not exist and value of this element is **false**, the protocol server MUST set the value of the **GetModelByIdResult** element to NULL.

**partitionId:** An empty GUID.

### 3.1.4.74.2.2 GetModelByIdResponse

The result data for the **GetModelById** WSDL operation.

```
<xs:element name="GetModelByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q227="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetModelByIdResult" nillable="true" type="q227:ModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetModelByIdResult:** The Model.

### 3.1.4.74.3 Complex Types

None.

### 3.1.4.74.4 Simple Types

None.

### 3.1.4.74.5 Attributes

None.

### 3.1.4.74.6 Groups

None.

### 3.1.4.74.7 Attribute Groups

None.

### 3.1.4.75 GetModelByName

This operation is used to retrieve the specified Model.

```
<wsdl:operation name="GetModelByName">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByName"
message="tns:BusinessDataCatalogSharedService_GetModelByName_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```

```

edService/GetModelByNameResponse"
message="tns:BusinessDataCatalogSharedService_GetModelByName_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelByName_ArgumentNullExceptionFault_Fault
Message"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelByName_ArgumentOutOfRangeExceptionFault
_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetModelByName_BdcExceptionStateFault_FaultMess
age"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelByName_InvalidOperationExceptionFault_F
aultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetModelByName_MetadataExceptionStateFault_Faul
tMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelByName_ArgumentExceptionFault_FaultMess
age"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetModelByName\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetModelByName\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	The length of the specified name exceeds 255 characters.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified Model does not exist.

### 3.1.4.75.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.75.1.1

##### **BusinessDataCatalogSharedService\_GetModelByName\_InputMessage**

The request WSDL message for the **GetModelByName** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByName
```

The SOAP body contains the **GetModelByName** element.

#### 3.1.4.75.1.2

##### **BusinessDataCatalogSharedService\_GetModelByName\_OutputMessage**

The response WSDL message for the **GetModelByName** WSDL operation.

The SOAP body contains the **GetModelByNameResponse** element.

#### 3.1.4.75.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.75.2.1 **GetModelByName**

The input data for the **GetModelByName** WSDL operation.

```
<xs:element name="GetModelByName">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string"/>
      <xs:element xmlns:q230="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q230:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**name:** The name of the Model.

**partitionId:** The empty GUID.

##### 3.1.4.75.2.2 **GetModelByNameResponse**

The result data for the **GetModelByName** WSDL operation.

```
<xs:element name="GetModelByNameResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q231="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetModelByNameResult" type="q231:ModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetModelByNameResult:** The Model.

### 3.1.4.75.3 Complex Types

None.

### 3.1.4.75.4 Simple Types

None.

### 3.1.4.75.5 Attributes

None.

### 3.1.4.75.6 Groups

None.

### 3.1.4.75.7 Attribute Groups

None.

## 3.1.4.76 GetModelsByEntityId

This operation is used to retrieve the Models that reference the specified Entity.

```
<wsdl:operation name="GetModelsByEntityId">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityId"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdResponse"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentNullExceptionFault_
FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentOutOfRangeException
Fault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_BdcExceptionStateFault_Faul
tMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_InvalidOperationExceptionFa
ult_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```

```

edService/GetModelsByEntityIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_MetadataExceptionStateFault
_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentExceptionFault_Faul
tMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetModelsByEntityId\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetModelsByEntityId\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified Entity does not exist. <a href="#">&lt;80&gt;</a>

### 3.1.4.76.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.76.1.1

#### **BusinessDataCatalogSharedService\_GetModelsByEntityId\_InputMessage**

The request WSDL message for the **GetModelsByEntityId** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Get
ModelsByEntityId

```

The SOAP body contains the **GetModelsByEntityId** element.

#### 3.1.4.76.1.2

#### **BusinessDataCatalogSharedService\_GetModelsByEntityId\_OutputMessage**

The response WSDL message for the **GetModelsByEntityId** WSDL operation.

The SOAP body contains the **GetModelsByEntityIdResponse** element.

### 3.1.4.76.2 Elements

The following XML Schema element definitions are specific to this operation.



### 3.1.4.76.2.1 GetModelsByEntityId

The input data for the **GetModelsByEntityId** WSDL operation.

```
<xs:element name="GetModelsByEntityId">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt"/>
      <xs:element xmlns:q232="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q232:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityId:** The MetadataObjectId of the Entity.

**partitionId:** An empty GUID.

### 3.1.4.76.2.2 GetModelsByEntityIdResponse

The result data for the **GetModelsByEntityId** WSDL operation.

```
<xs:element name="GetModelsByEntityIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q233="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetModelsByEntityIdResult" type="q233:ArrayOfModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetModelsByEntityIdResult:** The list of Models.

### 3.1.4.76.3 Complex Types

None.

### 3.1.4.76.4 Simple Types

None.

### 3.1.4.76.5 Attributes

None.

### 3.1.4.76.6 Groups

None.

### 3.1.4.76.7 Attribute Groups

None.

### 3.1.4.77 GetModelsByName

This operation is used to retrieve the Models that match the specified wildcard pattern.

A **Model** matches the wildcard pattern specified by **wildcardedName** if and only if **wildcardedName** matches the name of the **Model**, or the localized name of the **Model** with LCID 0, or the localized name of the **Model** with the LCID specified by **callerCultureLcid**.

```
<wsdl:operation name="GetModelsByName">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByName"
    message="tns:BusinessDataCatalogSharedService_GetModelsByName_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameResponse"
    message="tns:BusinessDataCatalogSharedService_GetModelsByName_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetModelsByName_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetModelsByName_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetModelsByName_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetModelsByName_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetModelsByName_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetModelsByName_ArgumentExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetModelsByName\_InputMessage** request message,

and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetModelsByName\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section

[2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	One of the following conditions applies: <ul style="list-style-type: none"><li>▪ The length of the specified wildcard pattern exceeds 255 characters.</li><li>▪ The format of the specified wildcard pattern is invalid.</li></ul>

### 3.1.4.77.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.77.1.1

##### **BusinessDataCatalogSharedService\_GetModelsByName\_InputMessage**

The request WSDL message for the **GetModelsByName** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByName
```

The SOAP body contains the **GetModelsByName** element.

#### 3.1.4.77.1.2

##### **BusinessDataCatalogSharedService\_GetModelsByName\_OutputMessage**

The response WSDL message for the **GetModelsByName** WSDL operation.

The SOAP body contains the **GetModelsByNameResponse** element.

### 3.1.4.77.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.77.2.1 GetModelsByName

The input data for the **GetModelsByName** WSDL operation.

```
<xs:element name="GetModelsByName">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="wildcardedName" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int"/>
      <xs:element xmlns:q228="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q228:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**wildcardedName:** The wildcard pattern to be used to retrieve the Models whose name or localized name matches the wildcard pattern. Following is the ABNF for the **wildcardedName**:

```
wildcardedName = 1 * (Literal / Escape / Wildcard)
Literal = %x00-29 / %x2B-5B / %x5D-FF
Wildcard = %x2A
Escape = EscapeBackSlash / EscapeWildcard
EscapeBackSlash = %x5C %x5C
EscapeWildcard = %x5C %x2A
```

The protocol server MUST match the name or localized name of the **Models** with the value of **wildcardedName** when the **EscapeBackSlash**, **EscapeWildcard**, and **Wildcard** rules are changed as follows:

```
EscapeBackSlash = %x5C
EscapeWildcard = %x2A
Wildcard = *(%x00-FF)
```

**callerCultureLcid:** The LCID representing the locale to be used when retrieving the Models.

**partitionId:** An empty GUID.

#### 3.1.4.77.2.2 GetModelsByNameResponse

The result data for the **GetModelsByName** WSDL operation.

```
<xs:element name="GetModelsByNameResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q229="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetModelsByNameResult" type="q229:ArrayOfModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetModelsByNameResult:** The list of Models.

#### 3.1.4.77.3 Complex Types

None.

#### 3.1.4.77.4 Simple Types

None.

#### 3.1.4.77.5 Attributes

None.

#### 3.1.4.77.6 Groups

None.

### 3.1.4.77.7 Attribute Groups

None.

### 3.1.4.78 GetParameterById

This operation is used to retrieve the Parameter with the specified MetadataObjectId.

```
<wsdl:operation name="GetParameterById">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterById"
    message="tns:BusinessDataCatalogSharedService_GetParameterById_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdResponse"
    message="tns:BusinessDataCatalogSharedService_GetParameterById_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetParameterById_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetParameterById_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetParameterById_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetParameterById_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetParameterById_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetParameterById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetParameterById\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetParameterById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section

[2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataobjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	A Parameter with the specified <b>MetadataObjectId</b> does not exist and the value of <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.78.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.78.1.1

##### **BusinessDataCatalogSharedService\_GetParameterById\_InputMessage**

The request WSDL message for the **GetParameterById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterById
```

The SOAP body contains the **GetParameterById** element.

#### 3.1.4.78.1.2

##### **BusinessDataCatalogSharedService\_GetParameterById\_OutputMessage**

The response WSDL message for the **GetParameterById** WSDL operation.

The SOAP body contains the **GetParameterByIdResponse** element.

### 3.1.4.78.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.78.2.1 GetParameterById

The input data for the **GetParameterById** WSDL operation.

```
<xs:element name="GetParameterById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="parameterId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:q31="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q31:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**parameterId:** The MetadataObjectId of the Parameter.

**performErrorCheck:** The value of this element MUST be ignored if a **Parameter** with the specified **MetadataObjectId** exists. If a **Parameter** with the specified **MetadataObjectId** does not exist and value of this element is **false**, the protocol server MUST set the value of the **GetParameterByIdResult** element to NULL.

**partitionId:** An empty GUID.

### 3.1.4.78.2.2 GetParameterByIdResponse

The result data for the **GetParameterById** WSDL operation.

```
<xs:element name="GetParameterByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q32="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetParameterByIdResult" nillable="true" type="q32:ParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetParameterByIdResult:** The Parameter.

### 3.1.4.78.3 Complex Types

None.

### 3.1.4.78.4 Simple Types

None.

### 3.1.4.78.5 Attributes

None.

### 3.1.4.78.6 Groups

None.

### 3.1.4.78.7 Attribute Groups

None.

### 3.1.4.79 GetParametersForMethod

This operation is used to retrieve the Parameters of the specified Method.

```
<wsdl:operation name="GetParametersForMethod">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethod"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```

```

edService/GetParametersForMethodResponse"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentOutOfRangeExceptionExcept
ionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_BdcExceptionStateFault_F
aultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_InvalidOperationExceptionF
ault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_MetadataExceptionStateFa
ult_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentExceptionFault_F
aultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentNullExceptionFau
lt_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetParametersForMethod\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetParametersForMethod\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section 2.2.4.9)	The specified MetadataObjectId is 0. <a href="#">81</a>
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified Method does not exist. <a href="#">82</a>

### 3.1.4.79.1 Messages

The following WSDL message definitions are specific to this operation.



#### 3.1.4.79.1.1

##### **BusinessDataCatalogSharedService\_GetParametersForMethod\_InputMessage**

The request WSDL message for the **GetParametersForMethod** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParametersForMethod
```

The SOAP body contains the **GetParametersForMethod** element.

#### 3.1.4.79.1.2

##### **BusinessDataCatalogSharedService\_GetParametersForMethod\_OutputMessage**

The response WSDL message for the **GetParametersForMethod** WSDL operation.

The SOAP body contains the **GetParametersForMethodResponse** element.

#### 3.1.4.79.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.79.2.1 **GetParametersForMethod**

The input data for the **GetParametersForMethod** WSDL operation.

```
<xs:element name="GetParametersForMethod">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="methodId" type="xs:unsignedInt"/>
      <xs:element xmlns:q33="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q33:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodId:** The MetadataObjectId of the Method.

**partitionId:** An empty GUID.

##### 3.1.4.79.2.2 **GetParametersForMethodResponse**

The result data for the **GetParametersForMethod** WSDL operation.

```
<xs:element name="GetParametersForMethodResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q34="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetParametersForMethodResult" type="q34:ArrayOfParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetParametersForMethodResult:** The list of Parameters.

### 3.1.4.79.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.79.3.1 ArrayOfParameterStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfParameterStruct** complex type contains a list of Parameters.

```
<xs:complexType name="ArrayOfParameterStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ParameterStruct" nillable="true"
      type="tns:ParameterStruct"/>
  </xs:sequence>
</xs:complexType>
```

**ParameterStruct:** A Parameter.

### 3.1.4.79.4 Simple Types

None.

### 3.1.4.79.5 Attributes

None.

### 3.1.4.79.6 Groups

None.

### 3.1.4.79.7 Attribute Groups

None.

### 3.1.4.80 GetRootTypeDescriptorForParameter

This operation is used to retrieve the root TypeDescriptor of the specified Parameter.

```
<wsdl:operation name="GetRootTypeDescriptorForParameter">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetRootTypeDescriptorForParameter"
    message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InputMessage"
  />
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetRootTypeDescriptorForParameterResponse"
    message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_OutputMessage"
  />
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetRootTypeDescriptorForParameterBdcExceptionStateFault"
    name="BdcExceptionStateFault"
  />
</wsdl:operation>
```

```

message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_BdcExceptionS
tateFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentOutOf
RangeExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InvalidOperat
ionExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_MetadataExcep
tionStateFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentExcep
tionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentNullE
xceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetRootTypeDescriptorForParameter\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetRootTypeDescriptorForParameter\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified Parameter does not exist.

### 3.1.4.80.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.80.1.1

##### **BusinessDataCatalogSharedService\_GetRootTypeDescriptorForParameter\_Input Message**

The request WSDL message for the **GetRootTypeDescriptorForParameter** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetRootTypeDescriptorForParameter
```

The SOAP body contains the **GetRootTypeDescriptorForParameter** element.

#### 3.1.4.80.1.2

##### **BusinessDataCatalogSharedService\_GetRootTypeDescriptorForParameter\_Output Message**

The response WSDL message for the **GetRootTypeDescriptorForParameter** WSDL operation.

The SOAP body contains the **GetRootTypeDescriptorForParameterResponse** element.

#### 3.1.4.80.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.80.2.1 **GetRootTypeDescriptorForParameter**

The input data for the **GetRootTypeDescriptorForParameter** WSDL operation.

```
<xs:element name="GetRootTypeDescriptorForParameter">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="parameterId" type="xs:unsignedInt"/>
      <xs:element xmlns:q43="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q43:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**parameterId:** The MetadataObjectId of the Parameter.

**partitionId:** An empty GUID.

##### 3.1.4.80.2.2 **GetRootTypeDescriptorForParameterResponse**

The result data for the **GetRootTypeDescriptorForParameter** WSDL operation.

```
<xs:element name="GetRootTypeDescriptorForParameterResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q44="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetRootTypeDescriptorForParameterResult" type="q44:TypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
```

```
</xs:element>
```

**GetRootTypeDescriptorForParameterResult:** The root TypeDescriptor of the Parameter.

### 3.1.4.80.3 Complex Types

None.

### 3.1.4.80.4 Simple Types

None.

### 3.1.4.80.5 Attributes

None.

### 3.1.4.80.6 Groups

None.

### 3.1.4.80.7 Attribute Groups

None.

## 3.1.4.81 GetServiceApplicationId

This operation is used to retrieve the unique implementation-specific identifier of metadata store.

```
<wsdl:operation name="GetServiceApplicationId">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetServiceApplicationId"
    message="tns:BusinessDataCatalogSharedService_GetServiceApplicationId_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetServiceApplicationIdResponse"
    message="tns:BusinessDataCatalogSharedService_GetServiceApplicationId_OutputMessage"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetServiceApplicationId\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetServiceApplicationId\_OutputMessage** response message.

### 3.1.4.81.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.81.1.1

### **BusinessDataCatalogSharedService\_GetServiceApplicationId\_InputMessage**

The request WSDL message for the **GetServiceApplicationId** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetServiceApplicationId
```

The SOAP body contains the **GetServiceApplicationId** element.

#### 3.1.4.81.1.2

##### **BusinessDataCatalogSharedService\_GetServiceApplicationId\_OutputMessage**

The response WSDL message for the **GetServiceApplicationId** WSDL operation.

The SOAP body contains the **GetServiceApplicationIdResponse** element.

#### 3.1.4.81.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.81.2.1 **GetServiceApplicationId**

The input data for the **GetServiceApplicationId** WSDL operation.

```
<xs:element name="GetServiceApplicationId">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

##### 3.1.4.81.2.2 **GetServiceApplicationIdResponse**

The result data for the **GetServiceApplicationId** WSDL operation.

```
<xs:element name="GetServiceApplicationIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q161="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="1" maxOccurs="1" name="GetServiceApplicationIdResult" type="q161:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetServiceApplicationIdResult:** The unique implementation-specific identifier of metadata store. The value of the identifier **MUST** be a GUID.

#### 3.1.4.81.3 Complex Types

None.

#### 3.1.4.81.4 Simple Types

None.

### 3.1.4.81.5 Attributes

None.

### 3.1.4.81.6 Groups

None.

### 3.1.4.81.7 Attribute Groups

None.

### 3.1.4.82 GetSystemUtilityTypeNameForLobSystem

This operation is used to retrieve the implementation-specific identifier of the module that executes operations in the line-of-business (LOB) system corresponding to the specified LobSystem.

```
<wsdl:operation name="GetSystemUtilityTypeNameForLobSystem">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystem"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InputMessa
ge"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemResponse"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_OutputMess
age"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentNu
llExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentOu
tOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_BdcExcepti
onStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InvalidOpe
rationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_MetadataEx
ceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemArgumentExceptionFault"
```

```

name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentEx
ceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetSystemUtilityTypeNameForLobSystem\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetSystemUtilityTypeNameForLobSystem\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	The module cannot be found or loaded.
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>InvalidMetadataPropertyExceptionState</b> (section <a href="#">2.2.4.37</a> )	The specified LobSystem has an invalid value for the Property named "SystemUtilityTypeName". Validity of this <b>Property</b> is specified in section <a href="#">3.1.4.82.2.2</a> .

### 3.1.4.82.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.82.1.1

**BusinessDataCatalogSharedService\_GetSystemUtilityTypeNameForLobSystem\_InputMessage**

The request WSDL message for the **GetSystemUtilityTypeNameForLobSystem** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetSystemUtilityTypeNameForLobSystem

```

The SOAP body contains the **GetSystemUtilityTypeNameForLobSystem** element.

#### 3.1.4.82.1.2

**BusinessDataCatalogSharedService\_GetSystemUtilityTypeNameForLobSystem\_OutputMessage**

The response WSDL message for the **GetSystemUtilityTypeNameForLobSystem** WSDL operation.

The SOAP body contains the **GetSystemUtilityTypeNameForLobSystemResponse** element.



### 3.1.4.82.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.82.2.1 GetSystemUtilityTypeNameForLobSystem

The input data for the **GetSystemUtilityTypeNameForLobSystem** WSDL operation.

```
<xs:element name="GetSystemUtilityTypeNameForLobSystem">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q109="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="lobSystemStruct" type="q109:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemStruct:** The LobSystem.

#### 3.1.4.82.2.2 GetSystemUtilityTypeNameForLobSystemResponse

The result data for the **GetSystemUtilityTypeNameForLobSystem** WSDL operation.

```
<xs:element name="GetSystemUtilityTypeNameForLobSystemResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1"
name="GetSystemUtilityTypeNameForLobSystemResult" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetSystemUtilityTypeNameForLobSystemResult:** The implementation-specific [83](#) identifier of the module that executes operations in the line-of-business (LOB) system.

### 3.1.4.82.3 Complex Types

None.

### 3.1.4.82.4 Simple Types

None.

### 3.1.4.82.5 Attributes

None.

### 3.1.4.82.6 Groups

None.

### 3.1.4.82.7 Attribute Groups

None.

### 3.1.4.83 GetTypeDescriptorById

This operation is used to retrieve the TypeDescriptor with the specified MetadataObjectId.

```
<wsdl:operation name="GetTypeDescriptorById">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorById"
    message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdResponse"
    message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_BdcExceptionStateFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetTypeDescriptorById\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetTypeDescriptorById\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding server error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	A TypeDescriptor with the specified <b>MetadataObjectId</b> does not exist and the value of the <b>performErrorCheck</b> element is <b>true</b> .

### 3.1.4.83.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.83.1.1

#### **BusinessDataCatalogSharedService\_GetTypeDescriptorById\_InputMessage**

The request WSDL message for the **GetTypeDescriptorById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorById
```

The SOAP body contains the **GetTypeDescriptorById** element.

#### 3.1.4.83.1.2

#### **BusinessDataCatalogSharedService\_GetTypeDescriptorById\_OutputMessage**

The response WSDL message for the **GetTypeDescriptorById** WSDL operation.

The SOAP body contains the **GetTypeDescriptorByIdResponse** element.

### 3.1.4.83.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.83.2.1 GetTypeDescriptorById

The input data for the **GetTypeDescriptorById** WSDL operation.

```
<xs:element name="GetTypeDescriptorById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="typeDescriptorId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:q41="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q41:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**typeDescriptorId:** The MetadataObjectId of the TypeDescriptor.

**performErrorCheck:** The value of this element MUST be ignored if a **TypeDescriptor** with the specified **MetadataObjectId** exists. If a **TypeDescriptor** with the specified **MetadataObjectId** does not exist and value of this element is **false**, the protocol server MUST set the value of the **GetTypeDescriptorByIdResult** element to NULL.

**partitionId:** An empty GUID.

### 3.1.4.83.2.2 GetTypeDescriptorByIdResponse

The result data for the **GetTypeDescriptorById** WSDL operation.

```
<xs:element name="GetTypeDescriptorByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q42="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="GetTypeDescriptorByIdResult" nillable="true" type="q42:TypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetTypeDescriptorByIdResult:** The TypeDescriptor.

### 3.1.4.83.3 Complex Types

None.

### 3.1.4.83.4 Simple Types

None.

### 3.1.4.83.5 Attributes

None.

### 3.1.4.83.6 Groups

None.

### 3.1.4.83.7 Attribute Groups

None.

### 3.1.4.84 GetTypeDescriptorsByNameAndLevelForParameter

This operation is used to retrieve the TypeDescriptors with the specified name and level contained by the specified Parameter. The level of a **TypeDescriptor** is defined as follows:

- The level of the root **TypeDescriptor** is 0.
- The level of specified **TypeDescriptor** is 1 plus the level of the **TypeDescriptor** containing the specified **TypeDescriptor**.

```
<wsdl:operation name="GetTypeDescriptorsByNameAndLevelForParameter">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalog" />
</wsdl:operation>
```

```

logSharedService/GetTypeDescriptorsByNameAndLevelForParameter"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_InputMessage"/>
<wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterResponse"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_OutputMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_MetadataExceptionStateFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentNullExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_InvalidOperationExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_BdcExceptionStateFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetTypeDescriptorsByNameAndLevelForParameter\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetTypeDescriptorsByNameAndLevelForParameter\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	One of the following conditions applies:

Error complex type	Condition
	<ul style="list-style-type: none"> <li>▪ The specified MetadataObjectId is 0.</li> <li>▪ The specified level is less than 0.</li> </ul>

### 3.1.4.84.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.84.1.1

#### **BusinessDataCatalogSharedService\_GetTypeDescriptorsByNameAndLevelForParameter\_InputMessage**

The request WSDL message for the **GetTypeDescriptorsByNameAndLevelForParameter** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameter
```

The SOAP body contains the **GetTypeDescriptorsByNameAndLevelForParameter** element.

#### 3.1.4.84.1.2

#### **BusinessDataCatalogSharedService\_GetTypeDescriptorsByNameAndLevelForParameter\_OutputMessage**

The response WSDL message for the **GetTypeDescriptorsByNameAndLevelForParameter** WSDL operation.

The SOAP body contains the **GetTypeDescriptorsByNameAndLevelForParameterResponse** element.

### 3.1.4.84.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.84.2.1 GetTypeDescriptorsByNameAndLevelForParameter

The input data for the **GetTypeDescriptorsByNameAndLevelForParameter** WSDL operation.

```
<xs:element name="GetTypeDescriptorsByNameAndLevelForParameter">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="parameterId" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="level" type="xs:int"/>
      <xs:element xmlns:q45="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q45:guid"/>
    </xs:sequence>
  </xs:complexType>
```

```
</xs:element>
```

**name:** The name of the TypeDescriptors that are retrieved.

**parameterId:** The MetadataObjectId of the Parameter.

**level:** The level of the TypeDescriptors that are retrieved.

**partitionId:** An empty GUID.

#### 3.1.4.84.2.2 GetTypeDescriptorsByNameAndLevelForParameterResponse

The result data for the **GetTypeDescriptorsByNameAndLevelForParameter** WSDL operation.

```
<xs:element name="GetTypeDescriptorsByNameAndLevelForParameterResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q46="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetTypeDescriptorsByNameAndLevelForParameterResult"
type="q46:ArrayOfTypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetTypeDescriptorsByNameAndLevelForParameterResult:** The list of TypeDescriptors.

#### 3.1.4.84.3 Complex Types

None.

#### 3.1.4.84.4 Simple Types

None.

#### 3.1.4.84.5 Attributes

None.

#### 3.1.4.84.6 Groups

None.

#### 3.1.4.84.7 Attribute Groups

None.

#### 3.1.4.85 GetTypeDescriptorsForFilterDescriptor

This operation is used to retrieve TypeDescriptors referenced by the specified FilterDescriptor.

```
<wsdl:operation name="GetTypeDescriptorsForFilterDescriptor">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptor"
```

```

message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InputMess
age"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorResponse"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_OutputMes
sage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_BdcExcept
ionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentN
ullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentO
utOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InvalidOp
erationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_MetadataE
xceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentE
xceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetTypeDescriptorsForFilterDescriptor\_InputMessag**  
**e** request message, and the protocol server MUST respond with a  
**BusinessDataCatalogSharedService\_GetTypeDescriptorsForFilterDescriptor\_OutputMessa**  
**ge** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The specified MetadataObjectId of the <b>FilterDescriptor</b> is 0.



### 3.1.4.85.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.85.1.1

##### **BusinessDataCatalogSharedService\_GetTypeDescriptorsForFilterDescriptor\_InputMessage**

The request WSDL message for the **GetTypeDescriptorsForFilterDescriptor** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsForFilterDescriptor
```

The SOAP body contains the **GetTypeDescriptorsForFilterDescriptor** element.

#### 3.1.4.85.1.2

##### **BusinessDataCatalogSharedService\_GetTypeDescriptorsForFilterDescriptor\_OutputMessage**

The response WSDL message for the **GetTypeDescriptorsForFilterDescriptor** WSDL operation.

The SOAP body contains the **GetTypeDescriptorsForFilterDescriptorResponse** element.

### 3.1.4.85.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.85.2.1 GetTypeDescriptorsForFilterDescriptor

The input data for the **GetTypeDescriptorsForFilterDescriptor** WSDL operation.

```
<xs:element name="GetTypeDescriptorsForFilterDescriptor">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="filterDescriptorId"
        type="xs:unsignedInt"/>
      <xs:element xmlns:q49="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="1" maxOccurs="1" name="partitionId" type="q49:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**filterDescriptorId:** The MetadataObjectId of the FilterDescriptor.

**partitionId:** An empty GUID.

#### 3.1.4.85.2.2 GetTypeDescriptorsForFilterDescriptorResponse

The result data for the **GetTypeDescriptorsForFilterDescriptor** WSDL operation.

```
<xs:element name="GetTypeDescriptorsForFilterDescriptorResponse">
  <xs:complexType>
```

```

    <xs:sequence>
      <xs:element xmlns:q50="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="GetTypeDescriptorsForFilterDescriptorResult" type="q50:ArrayOfTypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetTypeDescriptorsForFilterDescriptorResult:** The list of TypeDescriptors that are referenced by the specified FilterDescriptor.

### 3.1.4.85.3 Complex Types

None.

### 3.1.4.85.4 Simple Types

None.

### 3.1.4.85.5 Attributes

None.

### 3.1.4.85.6 Groups

None.

### 3.1.4.85.7 Attribute Groups

None.

### 3.1.4.86 GetTypeReflectorTypeNameForParameter

This operation is used to retrieve the implementation-specific name of the type of the TypeReflector of the specified Parameter.

```

<wsdl:operation name="GetTypeReflectorTypeNameForParameter">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameter"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_InputMessa
ge"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterResponse"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_OutputMess
age"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentNu
llExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterArgumentExceptionFault"
name="ArgumentExceptionFault"

```

```

message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentEx
ceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentOu
tOfRangeExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_InvalidOpe
rationExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_MetadataEx
ceptionStateFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_BdcExcepti
onStateFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetTypeReflectorTypeNameForParameter\_InputMess**  
**age** request message, and the protocol server MUST respond with a  
**BusinessDataCatalogSharedService\_GetTypeReflectorTypeNameForParameter\_OutputMes**  
**sage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	The type specified by a type name of the TypeReflector of the specified Parameter is invalid according to the protocol server's implementation-specific rules.
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the specified <b>Parameter</b> is 0.

### 3.1.4.86.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.86.1.1

**BusinessDataCatalogSharedService\_GetTypeReflectorTypeNameForParameter\_In**  
**putMessage**

The request WSDL message for the **GetTypeReflectorTypeNameForParameter** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeReflectorTypeNameForParameter
```

The SOAP body contains the **GetTypeReflectorTypeNameForParameter** element.

#### 3.1.4.86.1.2

#### **BusinessDataCatalogSharedService\_GetTypeReflectorTypeNameForParameter\_OutputMessage**

The response WSDL message for the **GetTypeReflectorTypeNameForParameter** WSDL operation.

The SOAP body contains the **GetTypeReflectorTypeNameForParameterResponse** element.

#### 3.1.4.86.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.86.2.1 GetTypeReflectorTypeNameForParameter

The input data for the **GetTypeReflectorTypeNameForParameter** WSDL operation.

```
<xs:element name="GetTypeReflectorTypeNameForParameter">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q36="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="parameterStruct" type="q36:ParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**parameterStruct:** The Parameter for which the type name of the TypeReflector will be retrieved.

##### 3.1.4.86.2.2 GetTypeReflectorTypeNameForParameterResponse

The result data for the **GetTypeReflectorTypeNameForParameter** WSDL operation.

```
<xs:element name="GetTypeReflectorTypeNameForParameterResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1"
name="GetTypeReflectorTypeNameForParameterResult" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetTypeReflectorTypeNameForParameterResult:** The implementation-specific name of the type of the TypeReflector of the specified Parameter.

### 3.1.4.86.3 Complex Types

None.

### 3.1.4.86.4 Simple Types

None.

### 3.1.4.86.5 Attributes

None.

### 3.1.4.86.6 Groups

None.

### 3.1.4.86.7 Attribute Groups

None.

### 3.1.4.87 GetXmlSchemaForView

This operation is used to retrieve a XML Schema that specifies a data structure that can store the data corresponding to a View that corresponds to the specified MethodInstance. The resulting XML Schema MUST conform to [\[XMLSCHEMA1\]](#) and [\[XMLSCHEMA2\]](#). The following types of MethodInstances have a **View** corresponding to them:

- SpecificFinder
- BulkSpecificFinder
- Finder
- AssociationNavigator
- BulkAssociationNavigator
- IdEnumerator
- ChangedIdEnumerator
- DeletedIdEnumerator
- BulkIdEnumerator
- Creator
- Updater

The MethodInstances of any other type do not have a View associated with them.

```
<wsdl:operation name="GetXmlSchemaForView">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetXmlSchemaForView"
    message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_InputMessage"/>
```

```

    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewResponse"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_OutputMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_MetadataExceptionStateFault
_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentNullExceptionFault_
FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentOutOfRangeException
Fault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentExceptionFault_Faul
tMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_InvalidOperationExceptionFa
ult_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_BdcExceptionStateFault_Faul
tMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetXmlSchemaForView\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetXmlSchemaForView\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	The specified MethodInstance does not have a <b>View</b> . <a href="#">&lt;84&gt;</a>
<b>ArgumentNullException</b> (section <a href="#">2.2.4.8</a> )	The specified <b>MethodInstance</b> does not have a ReturnPropertyDescriptor and it is not an Updater or a Creator.
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the specified MetadataObject is greater than 0x7fffffff.

Error complex type	Condition
<b>InvalidMetadataObjectExceptionState</b> (section <a href="#">2.2.4.36</a> )	The data type of a <b>TypeDescriptor</b> contained by the <b>View</b> is not compatible with the data type of a <b>DefaultValue</b> of that <b>TypeDescriptor</b> .
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>MethodInstance</b> does not exist.

### 3.1.4.87.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.87.1.1

#### **BusinessDataCatalogSharedService\_GetXmlSchemaForView\_InputMessage**

The request WSDL message for the **GetXmlSchemaForView** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetXmlSchemaForView
```

The SOAP body contains the **GetXmlSchemaForView** element.

#### 3.1.4.87.1.2

#### **BusinessDataCatalogSharedService\_GetXmlSchemaForView\_OutputMessage**

The response WSDL message for the **GetXmlSchemaForView** WSDL operation.

The SOAP body contains the **GetXmlSchemaForViewResponse** element.

### 3.1.4.87.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.87.2.1 GetXmlSchemaForView

The input data for the **GetXmlSchemaForView** WSDL operation.

```
<xs:element name="GetXmlSchemaForView">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q9="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="methodInstanceStruct" type="q9:MethodInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodInstanceStruct:** The MethodInstance.

#### 3.1.4.87.2.2 GetXmlSchemaForViewResponse

The result data for the **GetXmlSchemaForView** WSDL operation.

```

<xs:element name="GetXmlSchemaForViewResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetXmlSchemaForViewResult"
nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetXmlSchemaForViewResult:** A string that contains the resulting XML Schema. The XML Schema MUST conform to [\[XMLSCHEMA1\]](#) and [\[XMLSCHEMA2\]](#). The **XML namespace** specified by the XML Schema is implementation-specific [<85>](#). The XML Schema MUST specify the **root element** that corresponds to the View. The name the root element MUST be equal to the name of the **View**. The root element MUST contain exactly one **XML element** for each of the fields (4) in the **View**. The XML element is declared based on the TypeDescriptors that correspond to fields (4). For each **TypeDescriptor** the corresponding XML element MUST be declared as follows:

- The name of the corresponding XML element MUST be equal to the name of the **TypeDescriptor**.
- If the **TypeDescriptor** contains one or more other **TypeDescriptors**, the corresponding XML element MUST be declared as a **complex type** that contains XML elements that correspond to **TypeDescriptors** contained by the **TypeDescriptor**.
- If the **TypeDescriptor** does not contain any **TypeDescriptors**, and the data type represented by the **TypeDescriptor** can be represented by a **simple type**, the corresponding XML element MUST be declared as that simple type. For example, if the data type represents a bit, the corresponding XML element is declared as "Boolean" simple type as specified in [\[XMLSCHEMA2\]](#) section 3.2.2.
- If the **TypeDescriptor** does not contain any **TypeDescriptors**, and the data type represented by the **TypeDescriptor** cannot be represented by a simple type, the corresponding XML element SHOULD be declared as a complex type that contains a single XML element as specified in [\[XMLSCHEMA0\]](#) section 5.5. However, if the data type represented by the **TypeDescriptor** can be represented by a set of simple types, the corresponding XML element MAY be declared as a complex type that contains XML elements to represent the set of simple types.
- If the **TypeDescriptor** is contained by another **TypeDescriptor** which has the **IsCollection** flag set to **true**, the value of the "maxOccurs" attribute as specified in [\[XMLSCHEMA1\]](#) section 3.3.2 MUST be "unbounded". Otherwise, the value MUST be 1.

XML elements corresponding to **TypeDescriptors** MUST contain the following annotations as specified in [\[XMLSCHEMA1\]](#) section 3.13. The XML elements MAY also contain additional implementation-specific annotations, or additional implementation-specific **XML attributes** for the XML elements that represent the annotations specified in this section. The XML namespace of the XML elements that correspond to annotations are implementation-specific. [<86>](#)

- If the **TypeDescriptor** has the **ReadOnly** flag set to **true**, the XML element MUST contain an annotation with name "FieldInfo", which has an XML attribute with name "ReadOnly" and value **true**.
- If the **TypeDescriptor** references an Identifier, and the **TypeDescriptor** references an Association, the XML element MUST contain an annotation with name "ForeignKeyInfo" that has the XML attributes in the following table specified with their names and values.



Name	Value
EntityNamespace	The namespace of the Entity that contains the <b>Identifier</b> referenced by the <b>TypeDescriptor</b> .
EntityName	The name of the <b>Entity</b> that contains the <b>Identifier</b> referenced by the <b>TypeDescriptor</b> .
IdentifierIndex	The index of the <b>Identifier</b> referenced by the <b>TypeDescriptor</b> , within the <b>Entity</b> that contains the <b>Identifier</b> .
AssociationName	The name of the <b>Association</b> referenced by the <b>TypeDescriptor</b>

- If the **TypeDescriptor** references an **Identifier**, and the **TypeDescriptor** does not reference an **Association**, the XML element MUST contain an annotation with name "KeyInfo" that has the XML attributes in the following table specified with their names and values.

Name	Value
EntityNamespace	The namespace of the <b>Entity</b> that contains the <b>Identifier</b> referenced by the <b>TypeDescriptor</b> .
EntityName	The name of the <b>Entity</b> that contains the <b>Identifier</b> referenced by the <b>TypeDescriptor</b> .
IdentifierIndex	The index of the <b>Identifier</b> referenced by the <b>TypeDescriptor</b> , within the <b>Entity</b> that contains the <b>Identifier</b> .

- If the **TypeDescriptor** contains localized names, the XML element MUST contain an annotation with name "LocalizedNames". The XML element that represents the annotation MUST contain XML elements with name "LocalizedName" for each localized name contained by the **TypeDescriptor**. The value of the "LocalizedName" element MUST be the localized name, and it MUST have an XML attribute with name "LCID" and the LCID of the localized name as the value.
- If the **TypeDescriptor** has a DefaultValue for the specified MethodInstance, and data type of the **DefaultValue** can be represented by a simple type, the XML element MUST contain an annotation with name "DefaultValue" and the data of **DefaultValue** as the value.

### 3.1.4.87.3 Complex Types

None.

### 3.1.4.87.4 Simple Types

None.

### 3.1.4.87.5 Attributes

None.

### 3.1.4.87.6 Groups

None.

### 3.1.4.87.7 Attribute Groups

None.

### 3.1.4.88 HaveRights

The **HaveRights** operation retrieves whether the security principal (2) in whose context the protocol client is operating has the specified permission on the specified **MetadataObject** based on the permissions specified by the access control entries in the specified Setting associated with the specified **MetadataObject**.

```
<wsdl:operation name="HaveRights">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/HaveRights"
    message="tns:BusinessDataCatalogSharedService_HaveRights_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/HaveRightsResponse"
    message="tns:BusinessDataCatalogSharedService_HaveRights_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/HaveRightsArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_HaveRights_ArgumentExceptionFault_FaultMessage" />
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/HaveRightsBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_HaveRights_BdcExceptionStateFault_FaultMessage" />
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/HaveRightsInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_HaveRights_InvalidOperationExceptionFault_FaultMessage" />
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/HaveRightsMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_HaveRights_MetadataExceptionStateFault_FaultMessage" />
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/HaveRightsArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_HaveRights_ArgumentOutOfRangeExceptionFault_FaultMessage" />
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/HaveRightsArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_HaveRights_ArgumentNullExceptionFault_FaultMessage" />
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_HaveRights\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_HaveRights\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section

[2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the specified MetadataObject is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.88.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.88.1.1 BusinessDataCatalogSharedService\_HaveRights\_InputMessage

The request WSDL message for the **HaveRights** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/HaveRights
```

The SOAP body contains the **HaveRights** element.

#### 3.1.4.88.1.2 BusinessDataCatalogSharedService\_HaveRights\_OutputMessage

The response WSDL message for the **HaveRights** WSDL operation.

The SOAP body contains the **HaveRightsResponse** element.

### 3.1.4.88.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.88.2.1 HaveRights

The input data for the **HaveRights** WSDL operation.

```
<xs:element name="HaveRights">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q170="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q170:MetadataObjectStruct"/>
      <xs:element
xmlns:q171="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
minOccurs="1" maxOccurs="1" name="rights" type="q171:BdcRights"/>
      <xs:element minOccurs="1" maxOccurs="1" name="fallBack" type="xs:boolean"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition (1) of this **MetadataObject** MUST be an empty GUID.

**rights:** The permission to check.

**fallBack:** When the value of this element is **true**, the protocol server MUST use the access control entries in the default Setting for the specified **MetadataObject** if there are no access control entries exist in the specified **Setting** for the specified **MetadataObject**.

**settingId:** The **Setting** which contains the access control entries. If the value of this element is NULL the protocol server MUST use the access control entries contained by the default **Setting**.

### 3.1.4.88.2.2 HaveRightsResponse

The result data for the **HaveRights** WSDL operation.

```
<xs:element name="HaveRightsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="HaveRightsResult" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**HaveRightsResult:** If the security principal (2) in whose context the protocol client is operating has the specified permissions, this value MUST be set to TRUE. Otherwise, this value MUST be set to FALSE.

### 3.1.4.88.3 Complex Types

None.

### 3.1.4.88.4 Simple Types

The following XML Schema simple type definitions are specific to this operation.

#### 3.1.4.88.4.1 BdcRights

**Namespace:** <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure>

The **BdcRights** simple type represents a permission a given security principal (2) can have on a MetadataObject.

```
<xs:simpleType name="BdcRights">
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None"/>
        <xs:enumeration value="Execute"/>
        <xs:enumeration value="Edit"/>
        <xs:enumeration value="SetPermissions"/>
        <xs:enumeration value="UseInBusinessDataInLists"/>
        <xs:enumeration value="SelectableInClients"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:list>
</xs:simpleType>
```

```

</xs:list>
</xs:simpleType>

```

The following table specifies the allowable values for BdcRights:

Value	Meaning
None	No permissions.
Execute	The security principal (2) has the permission to call a MethodInstance.
Edit	The security principal (2) has permission to change the attributes of a <b>MetadataObject</b> or its relationship to other <b>MetadataObjects</b> .
SetPermissions	The security principal (2) has permission to change the set of permissions for a <b>MetadataObject</b> .
UseInBusinessDataInLists	This value is obsolete and MUST NOT be used.
SelectableInClients	The security principal (2) has permission to select the <b>MetadataObject</b> this permission refers to in an implementation-specific user interface from a list of available <b>MetadataObjects</b> . If the security principal (2) does not have this permission, the <b>MetadataObject</b> SHOULD NOT be presented in such a list.

### 3.1.4.88.5 Attributes

None.

### 3.1.4.88.6 Groups

None.

### 3.1.4.88.7 Attribute Groups

None.

### 3.1.4.89 ImportPackage

This operation is used to create the following objects in the metadata store:

- MetadataObjects contained by the specified MetadataModel along with their Properties, localized names and access control entries, if "Model" value is specified for the **packageContents** element. The **MetadataModel** MUST be specified as an XML that conforms to [\[MS-BDCMFFS\]](#) section 2.1.4.1. If the **MetadataModel** contains a LobSystem that has the same name and type as a **LobSystem** in the metadata store, the **LobSystem** in the **MetadataModel** MUST be ignored by the protocol server along with all LobSystemInstances contained by that **LobSystem** along with Properties, localized names and access control entries of the ignored MetadataObjects. If the **MetadataModel** contains an Entity that has the same name, namespace and version as an Entity in the metadata store, and if the names of the **LobSystems** that contain these **Entities** are identical, the **Entity** in the **MetadataModel** MUST be ignored by the protocol server along with all **MetadataObjects** contained by the **Entity** or other ignored **MetadataObjects** along with the **Properties**, localized names, and access control entries of the ignored **MetadataObjects**.

- Localized names, **Properties**, and access control entries corresponding to **MetadataObjects** contained by the specified **MetadataModel**, if "Model" value is not specified for the **packageContents** element. The **MetadataModel** MUST be specified as an XML that conforms to [\[MS-BDCMFFS\]](#) section 2.2.4.1.

```
<wsdl:operation name="ImportPackage">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackage"
message="tns:BusinessDataCatalogSharedService_ImportPackage_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageResponse"
message="tns:BusinessDataCatalogSharedService_ImportPackage_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackage_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackagePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ImportPackage_PackageFormatExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackage_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackage_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ImportPackage_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackage_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ImportPackage_MetadataExceptionStateFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_ImportPackage\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_ImportPackage\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal in whose context the protocol client is operating is not authorized to create or modify the specified Model.
<b>PackageFormatExceptionState</b> (section <a href="#">2.2.4.48</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The "Model" value is specified for the <b>packageContents</b> element and the specified XML does not conform to <a href="#">[MS-BDCMFFS]</a> section 2.1.4.1.</li> <li>▪ The "Model" value is not specified for the <b>packageContents</b> element and the specified XML does not conform to <a href="#">[MS-BDCMFFS]</a> section 2.2.4.1.</li> <li>▪ The value of the <b>updateModel</b> element is "false", the "Model" value is specified for <b>packageContents</b> element and there is already another <b>Model</b> with the same name as the <b>Model</b> contained by the <b>MetadataModel</b> in the specified Partition.</li> <li>▪ The value of the <b>updateModel</b> element is "true", the "Model" value is specified for <b>packageContents</b> element and the <b>Model</b> contained by the <b>MetadataModel</b> does not exist in the specified <b>Partition</b>.</li> <li>▪ The "Model" value is not specified for the <b>packageContents</b> element and at least one the <b>MetadataObjects</b> contained by the <b>MetadataModel</b> does not exist in the metadata store.</li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element and one of the <b>LobSystems</b> contained by the <b>MetadataModel</b> has the same name as a <b>LobSystem</b> in the metadata store, but the <b>LobSystem</b> contained by the <b>MetadataModel</b> has a different type than the <b>LobSystem</b> in the metadata store.</li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element and one of the <b>Entities</b> contained by the <b>MetadataModel</b> has the same name, namespace and version as an <b>Entity</b> in the metadata store, but the names of the <b>LobSystems</b> that contain these <b>Entities</b> are not identical.</li> <li>▪ The "InlineProxies" value is specified for the <b>packageContents</b> element and the specified <b>MetadataModel</b> contains <b>LobSystem</b> with an associated Business Logic Module.</li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains a <b>Method</b> that contains more than one FilterDescriptor of type TimeStampFilter.</li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains a StreamAccessor that specifies ReturnPropertyDescriptor that contains other TypeDescriptors.</li> </ul>

Error complex type	Condition
	<ul style="list-style-type: none"> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains a <b>StreamAccessor</b> and the <b>TypeDescriptor</b> containing the <b>ReturnTypeDescriptor</b> of this <b>MethodInstance</b> contains another <b>TypeDescriptor</b> under its parent <b>TypeDescriptor</b>, and the <b>LobSystem</b> containing the <b>Entity</b> which contains this <b>StreamAccessor</b> has type specified as "Database".</li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains <b>MethodInstance</b>, and the Method for which this <b>MethodInstance</b> is being created does not have a Parameter whose <b>Direction</b> is "In" or "InOut" and the type of the this <b>MethodInstance</b>, is one of the following values: <ul style="list-style-type: none"> <li>▪ AccessChecker</li> <li>▪ AssociationNavigator</li> <li>▪ Associator</li> <li>▪ BinarySecurityDescriptorAccessor</li> <li>▪ BulkAssociatedIdEnumerator</li> <li>▪ BulkAssociationNavigator</li> <li>▪ BulkIdEnumerator</li> <li>▪ BulkSpecificFinder</li> <li>▪ ChangedIdEnumerator</li> <li>▪ DeletedIdEnumerator</li> <li>▪ Deleter</li> <li>▪ Disassociator</li> <li>▪ SpecificFinder</li> <li>▪ Updater</li> <li>▪ StreamAccessor</li> </ul> </li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains a <b>MethodInstance</b>, the <b>Method</b> containing this <b>MethodInstance</b> is not contain a <b>TimeStampFilter</b> and the type of this <b>MethodInstance</b> is one of the following values: <ul style="list-style-type: none"> <li>▪ ChangedIdEnumerator</li> <li>▪ DeletedIdEnumerator</li> </ul> </li> </ul>

### 3.1.4.89.1 Messages

The following WSDL message definitions are specific to this operation.



### 3.1.4.89.1.1 BusinessDataCatalogSharedService\_ImportPackage\_InputMessage

The request WSDL message for the **ImportPackage** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackage
```

The SOAP body contains the **ImportPackage** element.

### 3.1.4.89.1.2 BusinessDataCatalogSharedService\_ImportPackage\_OutputMessage

The response WSDL message for the **ImportPackage** WSDL operation.

The SOAP body contains the **ImportPackageResponse** element.

## 3.1.4.89.2 Elements

The following XML Schema element definitions are specific to this operation.

### 3.1.4.89.2.1 ImportPackage

The input data for the **ImportPackage** WSDL operation.

```
<xs:element name="ImportPackage">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string"/>
      <xs:element xmlns:q213="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="packageContents" type="q213:PackageContents"/>
      <xs:element xmlns:q214="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="adminStruct" type="q214:AdministrationMetadataCatalogStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="updateModel" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**xml:** The XML representation of the **MetadataModel** that conforms to [\[MS-BDCMFFS\]](#).

**packageContents:** Specifies what part of the **MetadataModel** are to be created. The protocol server MUST follow the following rules:

- If the "Model" value is specified, this operation MUST create **MetadataObjects** in the metadata store. The protocol server MUST set all the Entities contained by the specified **MetadataModel** as active. If any of the **Entities** contain reference errors as specified in section [3.1.4.4.3.2](#), the protocol server MUST NOT set any Entity contained by the specified **MetadataModel** as active.
- If "Model" value is not specified the protocol server MUST NOT create any **MetadataObjects**.

If the "Properties" value is specified the protocol server MUST create the specified Properties for the corresponding **MetadataObjects**. If the metadata store already contains a **Property** with the same

name in the specified Setting for the **MetadataObject**, the Property in the metadata store MUST be replaced.

- If the "Properties" value is not specified the protocol server MUST ignore Properties in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified the protocol server MUST create the specified localized names for the corresponding **MetadataObjects**. If the metadata store already contains a localized name with the same LCID in the specified Setting for the **MetadataObject**, the localized name in the metadata store MUST be replaced.
- If the "LocalizedNames" value is not specified the protocol server MUST ignore localized names in the specified **MetadataModel**.
- If the "Permissions" value is specified the protocol server MUST delete access control entries in the metadata store for the corresponding **MetadataObjects** and create the specified access control entries for the corresponding **MetadataObjects**.
- If the "Permissions" value is not specified the protocol server MUST ignore access control entries in the specified **MetadataModel**.

**adminStruct:** The MetadataCatalog that contains the Model contained by the **MetadataModel**. If the "Model" value is specified for the **packageContents** element, the protocol server MUST create the **Model** in the specified **MetadataCatalog**.

**settingId:** The **Setting** to create the Properties, localized names, and access control entries in.

**callerCultureLcid:** Specifies the LCID corresponding to the locale in which the error messages are to be returned for. If the protocol server is capable of generating error messages in the specified locale, all error messages MUST be generated for the specified locale. Otherwise, protocol server MUST return errors in a locale determined with an implementation-specific algorithm.

**updateModel:** Specifies if the **Model** contained by the **MetadataModel** already exists in the metadata store. If the value of this element is **true**, the protocol server MUST remove all Entity references from the **Model**. Then, the protocol server MUST create **Entity** references in the **Model** to all the **Entities** contained by the specified **MetadataModel**. If the "Model" value is not specified for the **packageContents** element the value of this element MUST be ignored.

### 3.1.4.89.2.2 ImportPackageResponse

The result data for the **ImportPackage** WSDL operation.

```
<xs:element name="ImportPackageResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q215="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="ImportPackageResult" type="q215:ModelStruct"/>
      <xs:element xmlns:q216="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="1" maxOccurs="1" name="errors" type="q216:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ImportPackageResult:** The Model from the metadata store that is corresponding to the specified MetadataModel.

**errors:** The list of implementation-specific error messages corresponding to the errors encountered during this operation as well as other implementation-specific informational messages related to the operation.

### 3.1.4.89.3 Complex Types

None.

### 3.1.4.89.4 Simple Types

None.

### 3.1.4.89.5 Attributes

None.

### 3.1.4.89.6 Groups

None.

### 3.1.4.89.7 Attribute Groups

None.

### 3.1.4.90 ImportPackageWithProgress

This operation is used to create the following objects in the metadata store:

- MetadataObjects contained by the specified MetadataModel along with their Properties, localized names, and access control entries, if "Model" value is specified for the **packageContents** element. The **MetadataModel** MUST be specified as an XML that conforms to [\[MS-BDCMFFS\]](#) section 2.1.4.1. If the **MetadataModel** contains a LobSystem that has the same name and type as a **LobSystem** in the metadata store, the **LobSystem** in the **MetadataModel** MUST be ignored by the protocol server along with all LobSystemInstances contained by that **LobSystem** along with **Properties**, localized names and access control entries of the ignored **MetadataObjects**. If the **MetadataModel** contains an Entity that has the same name, namespace and version as an **Entity** in the metadata store, and if the names of the **LobSystems** that contain these **Entities** are identical, the **Entity** in the **MetadataModel** MUST be ignored by the protocol server along with all **MetadataObjects** contained by the **Entity** or other ignored **MetadataObjects** along with the **Properties**, localized names, and access control entries of the ignored **MetadataObjects**.
- Localized names, **Properties**, and access control entries corresponding to **MetadataObjects** contained by the specified **MetadataModel**, if "Model" value is not specified for the **packageContents** element. The **MetadataModel** MUST be specified as an XML that conforms to [\[MS-BDCMFFS\]](#) section 2.2.4.1.

The protocol server MUST track the progress of this operation with the specified identifier. The protocol client can retrieve the progress of this operation by using [GetImportProgress](#) operation with the specified identifier.

```
<wsdl:operation name="ImportPackageWithProgress">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```

```

edService/ImportPackageWithProgress"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressResponse"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentNullException
Fault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_InvalidOperationExcep
tionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_MetadataExceptionStat
eFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_PackageFormatExceptio
nStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_BdcExceptionStateFaul
t_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentExceptionFaul
t_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentOutOfRangeExc
eptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_ImportPackageWithProgress\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_ImportPackageWithProgress\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal in whose context the protocol client is operating is not authorized to create or modify the specified Model.
<b>PackageFormatExceptionState</b> (section <a href="#">2.2.4.48</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The "Model" value is specified for the <b>packageContents</b> element and the specified XML does not conform to <a href="#">[MS-BDCMFFS]</a> section 2.1.4.1.</li> <li>▪ The "Model" value is not specified for the <b>packageContents</b> element and the specified XML does not conform to <a href="#">[MS-BDCMFFS]</a> section 2.2.4.1.</li> <li>▪ The value of the <b>updateModel</b> element is "false", the "Model" value is specified for <b>packageContents</b> element and there is already another <b>Model</b> with the same name as the <b>Model</b> contained by the <b>MetadataModel</b> in the specified Partition.</li> <li>▪ The value of the <b>updateModel</b> element is "true", the "Model" value is specified for <b>packageContents</b> element and the <b>Model</b> contained by the <b>MetadataModel</b> does not exist in the specified <b>Partition</b>.</li> <li>▪ The "Model" value is not specified for the <b>packageContents</b> element and at least one the <b>MetadataObjects</b> contained by the <b>MetadataModel</b> does not exist in the metadata store.</li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element and one of the <b>LobSystems</b> contained by the <b>MetadataModel</b> has the same name as a <b>LobSystem</b> in the metadata store, but the <b>LobSystem</b> contained by the <b>MetadataModel</b> has a different type than the <b>LobSystem</b> in the metadata store.</li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element and one of the <b>Entities</b> contained by the <b>MetadataModel</b> has the same name, namespace and version as an <b>Entity</b> in the metadata store, but the names of the <b>LobSystems</b> that contain these <b>Entities</b> are not identical.</li> <li>▪ The "InlineProxies" value is specified for the <b>packageContents</b> element and the specified <b>MetadataModel</b> contains <b>LobSystem</b> with an associated Business Logic Module.</li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains a <b>Method</b> that contains more than one FilterDescriptor of type TimestampFilter.</li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains a StreamAccessor that specifies ReturnPropertyDescriptor that contains other TypeDescriptors.</li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains a StreamAccessor and the TypeDescriptor containing the ReturnPropertyDescriptor of this MethodInstance contains another <b>TypeDescriptor</b> under its parent <b>TypeDescriptor</b>, and the</li> </ul>

Error complex type	Condition
	<p><b>LobSystem</b> containing the <b>Entity</b> which contains this <b>StreamAccessor</b> has type specified as "Database".</p> <ul style="list-style-type: none"> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains <b>MethodInstance</b>, and the Method for which this <b>MethodInstance</b> is being created does not have a Parameter whose <b>Direction</b> is "In" or "InOut" and the type of the this <b>MethodInstance</b>, is one of the following values: <ul style="list-style-type: none"> <li>▪ AccessChecker</li> <li>▪ AssociationNavigator</li> <li>▪ Associator</li> <li>▪ BinarySecurityDescriptorAccessor</li> <li>▪ BulkAssociatedIdEnumerator</li> <li>▪ BulkAssociationNavigator</li> <li>▪ BulkIdEnumerator</li> <li>▪ BulkSpecificFinder</li> <li>▪ ChangedIdEnumerator</li> <li>▪ DeletedIdEnumerator</li> <li>▪ Deleter</li> <li>▪ Disassociator</li> <li>▪ SpecificFinder</li> <li>▪ Updater</li> <li>▪ StreamAccessor</li> </ul> </li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains a <b>MethodInstance</b>, the <b>Method</b> containing this <b>MethodInstance</b> is not contain a TimeStampFilter and the type of this <b>MethodInstance</b> is one of the following values: <ul style="list-style-type: none"> <li>▪ ChangedIdEnumerator</li> <li>▪ DeletedIdEnumerator</li> </ul> </li> </ul>

### 3.1.4.90.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.90.1.1

#### **BusinessDataCatalogSharedService\_ImportPackageWithProgress\_InputMessage**

The request WSDL message for the **ImportPackageWithProgress** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageWithProgress
```

The SOAP body contains the **ImportPackageWithProgress** element.

### 3.1.4.90.1.2

#### **BusinessDataCatalogSharedService\_ImportPackageWithProgress\_OutputMessage**

The response WSDL message for the **ImportPackageWithProgress** WSDL operation.

The SOAP body contains the **ImportPackageWithProgressResponse** element.

### 3.1.4.90.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.90.2.1 **ImportPackageWithProgress**

The input data for the **ImportPackageWithProgress** WSDL operation.

```
<xs:element name="ImportPackageWithProgress">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string"/>
      <xs:element xmlns:q217="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="packageContents" type="q217:PackageContents"/>
      <xs:element xmlns:q218="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="adminStruct" type="q218:AdministrationMetadataCatalogStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="updateModel" type="xs:boolean"/>
      <xs:element xmlns:q219="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="jobId" type="q219:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**xml:** The XML representation of the **MetadataModel** that conforms to [\[MS-BDCMFFS\]](#).

**packageContents:** Specifies what part of the **MetadataModel** are to be created. The protocol server MUST follow the following rules:

- If the "Model" value is specified, this operation MUST create **MetadataObjects** in the metadata store. The protocol server MUST set all the **Entities** contained by the specified **MetadataModel** as active. If any of the **Entities** contain reference errors as specified in section [3.1.4.4.3.2](#), the protocol server MUST NOT set any **Entity** contained by the specified **MetadataModel** as active.
- If "Model" value is not specified the protocol server MUST NOT create any **MetadataObjects**.
- If the "Properties" value is specified the protocol server MUST create the specified **Properties** for the corresponding **MetadataObjects**. If the metadata store already contains a **Property** with

the same name in the specified Setting for the **MetadataObject**, the **Property** in the metadata store MUST be replaced.

- If the "Properties" value is not specified the protocol server MUST ignore **Properties** in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified the protocol server MUST create the specified localized names for the corresponding **MetadataObjects**. If the metadata store already contains a localized name with the same LCID in the specified **Setting** for the **MetadataObject**, the localized name in the metadata store MUST be replaced.
- If the "LocalizedNames" value is not specified the protocol server MUST ignore localized names in the specified **MetadataModel**.
- If the "Permissions" value is specified the protocol server MUST delete access control entries in the metadata store for the corresponding **MetadataObjects** and create the specified access control entries for the corresponding **MetadataObjects**.
- If the "Permissions" value is not specified the protocol server MUST ignore access control entries in the specified **MetadataModel**.

**adminStruct:** The MetadataCatalog that contains the **Model** contained by the **MetadataModel**. If the "Model" value is specified for the **packageContents** element, the protocol server MUST create the **Model** in the specified **MetadataCatalog**.

**settingId:** The **Setting** in which to create the **Properties**, localized names, and access control entries.

**callerCultureLcid:** Specifies the LCID corresponding to the locale in which the error messages are to be returned for. If the protocol server is capable of generating error messages in the specified locale, all error messages MUST be generated for the specified locale. Otherwise, protocol server MUST return errors in a locale determined with an implementation-specific algorithm.

**updateModel:** Specifies if the **Model** contained by the **MetadataModel** already exists in the metadata store. If the value of this element is **true**, the protocol server MUST remove all **Entity** references from the **Model**. Then, the protocol server MUST create **Entity** references in the **Model** to all the **Entities** contained by the specified **MetadataModel**. If the "Model" value is not specified for the **packageContents** element the value of this element MUST be ignored.

**jobId:** Identifier for the operation. The value of this element MUST be unique across all requests for this operation.

### 3.1.4.90.2.2 ImportPackageWithProgressResponse

The result data for the **ImportPackageWithProgress** WSDL operation.

```
<xs:element name="ImportPackageWithProgressResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q220="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="ImportPackageWithProgressResult" type="q220:ModelStruct"/>
      <xs:element xmlns:q221="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="1" maxOccurs="1" name="errors" type="q221:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



**ImportPackageWithProgressResult:** The Model from the metadata store that is corresponding to the specified MetadataModel.

**errors:** The list of implementation-specific error messages corresponding to the errors encountered during this operation as well as other implementation-specific informational messages related to the operation.

### 3.1.4.90.3 Complex Types

None.

### 3.1.4.90.4 Simple Types

None.

### 3.1.4.90.5 Attributes

None.

### 3.1.4.90.6 Groups

None.

### 3.1.4.90.7 Attribute Groups

None.

### 3.1.4.91 IsMethodInstantiated

This operation is used to determine if the specified Method contains at least one MethodInstance.

```
<wsdl:operation name="IsMethodInstantiated">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiated"
    message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedResponse"
    message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_InvalidOperationExceptionFault_FaultMessage"/>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiatedMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_MetadataExceptionStateFau
lt_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiatedArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentExceptionFault_Fau
ltMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiatedArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentNullExceptionFault
_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_IsMethodInstantiated\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_IsMethodInstantiated\_OutputMessage** response message.

### 3.1.4.91.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.91.1.1

#### **BusinessDataCatalogSharedService\_IsMethodInstantiated\_InputMessage**

The request WSDL message for the **IsMethodInstantiated** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsM
ethodInstantiated

```

The SOAP body contains the **IsMethodInstantiated** element.

#### 3.1.4.91.1.2

#### **BusinessDataCatalogSharedService\_IsMethodInstantiated\_OutputMessage**

The response WSDL message for the **IsMethodInstantiated** WSDL operation.

The SOAP body contains the **IsMethodInstantiatedResponse** element.

### 3.1.4.91.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.91.2.1 IsMethodInstantiated

The input data for the **IsMethodInstantiated** WSDL operation.

```

<xs:element name="IsMethodInstantiated">

```

```

<xs:complexType>
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="methodId" type="xs:unsignedInt"/>
    <xs:element xmlns:q18="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q18:guid"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**methodId:** The MetadataObjectId for the Method.

**partitionId:** An empty GUID.

### 3.1.4.91.2.2 IsMethodInstantiatedResponse

The result data for the **IsMethodInstantiated** WSDL operation.

```

<xs:element name="IsMethodInstantiatedResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="IsMethodInstantiatedResult"
type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**IsMethodInstantiatedResult:** The value of this element MUST be "true", if the Method contains at least one MethodInstance. Otherwise it MUST be set to "false".

### 3.1.4.91.3 Complex Types

None.

### 3.1.4.91.4 Simple Types

None.

### 3.1.4.91.5 Attributes

None.

### 3.1.4.91.6 Groups

None.

### 3.1.4.91.7 Attribute Groups

None.

### 3.1.4.92 IsParameterReferencedByMethodInstance

The **IsParameterReferencedByMethodInstance** operation checks whether the specified Parameter contains any TypeDescriptor that is the ReturnPropertyDescriptor of any MethodInstance contained by the Method containing the **Parameter**.

```

<wsdl:operation name="IsParameterReferencedByMethodInstance">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstance"
    message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceResponse"
    message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceArgumentExceptionFault"
    name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_MetadataExceptionStateFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_IsParameterReferencedByMethodInstance\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_IsParameterReferencedByMethodInstance\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the specified <b>Parameter</b> is 0.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>Parameter</b> does not exist.

### 3.1.4.92.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.92.1.1

#### **BusinessDataCatalogSharedService\_IsParameterReferencedByMethodInstance\_InputMessage**

The request WSDL message for the **IsParameterReferencedByMethodInstance** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstance
```

The SOAP body contains the **IsParameterReferencedByMethodInstance** element.

#### 3.1.4.92.1.2

#### **BusinessDataCatalogSharedService\_IsParameterReferencedByMethodInstance\_OutputMessage**

The response WSDL message for the **IsParameterReferencedByMethodInstance** WSDL operation.

The SOAP body contains the **IsParameterReferencedByMethodInstanceResponse** element.

### 3.1.4.92.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.92.2.1 IsParameterReferencedByMethodInstance

The input data for the **IsParameterReferencedByMethodInstance** WSDL operation.

```
<xs:element name="IsParameterReferencedByMethodInstance">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="parameterId" type="xs:unsignedInt"/>
      <xs:element xmlns:q35="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q35:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**parameterId:** The MetadataObjectId for the Parameter.

**partitionId:** An empty GUID.

#### 3.1.4.92.2.2 IsParameterReferencedByMethodInstanceResponse

The result data for the **IsParameterReferencedByMethodInstance** WSDL operation.

```
<xs:element name="IsParameterReferencedByMethodInstanceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1"
name="IsParameterReferencedByMethodInstanceResult" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**IsParameterReferencedByMethodInstanceResult:** If the value of this element is **true**, the specified Parameter contains a **ReturnTypeDescriptor**. If the value of this element is **false**, the specified **Parameter** does not contain a **ReturnTypeDescriptor**.

#### 3.1.4.92.3 Complex Types

None.

#### 3.1.4.92.4 Simple Types

None.

#### 3.1.4.92.5 Attributes

None.

#### 3.1.4.92.6 Groups

None.

#### 3.1.4.92.7 Attribute Groups

None.

#### 3.1.4.93 MetadataObjectCreate

This operation is used to create a **MetadataObject** in the metadata store. If the specified **MetadataObject** is a **MetadataCatalog**, and another **MetadataCatalog** with the same Partition as the specified **MetadataCatalog** already exists, then this operation MUST NOT change the state of the data in the metadata store.

```
<wsdl:operation name="MetadataObjectCreate">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectCreate"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectCreateResponse"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_OutputMessage"/>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_MetadataExceptionStateFaul
t_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_InvalidOperationExceptionF
ault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentExceptionFault_Fau
ltMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentNullExceptionFault
_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentOutOfRangeExceptionEx
nFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_BdcExceptionStateFault_Fau
ltMessage"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_MetadataObjectCreate\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_MetadataObjectCreate\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The <b>rawValues</b> element specifies a LobSystem and the security principal in whose context the protocol client is operating is not authorized to modify the <b>MetadataCatalog</b> specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>rawValues</b> element specifies a LobSystemInstance and the security principal in whose context the protocol client is operating is not authorized to modify the <b>LobSystem</b></li> </ul>

Error complex type	Condition
	<p>specified by the <b>parentStruct</b> element.</p> <ul style="list-style-type: none"> <li>▪ The <b>rawValues</b> element specifies an Identifier and the security principal in whose context the protocol client is operating is not authorized to modify the Entity specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>rawValues</b> element specifies an Action and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Entity</b> specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>rawValues</b> element specifies an ActionParameter and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Entity</b> that contains the <b>Action</b> specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>rawValues</b> element specifies a Method and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Entity</b> specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>rawValues</b> element specifies an AssociationGroup and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Entity</b> specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>rawValues</b> element specifies a MethodInstance and the security principal in whose context the protocol client is operating is not authorized to modify the Method specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>rawValues</b> element specifies a Parameter and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Method</b> specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>rawValues</b> element specifies a FilterDescriptor and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Method</b> specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>rawValues</b> element specifies an <b>Association</b> and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Entity</b> containing the <b>Method</b> specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>rawValues</b> element specifies a MetadataObject with invalid attributes.</li> </ul>



Error complex type	Condition
	<ul style="list-style-type: none"> <li>▪ The <b>rawValues</b> element specifies a <b>MethodInstance</b> which specifies a <b>ReturnPropertyDescriptor</b> that is not contained by any <b>Parameters</b> that are contained by the <b>Method</b> specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>rawValues</b> element specifies a <b>MethodInstance</b> which specifies a <b>ReturnPropertyDescriptor</b> that is contained by a <b>Parameter</b> with direction "In".</li> <li>▪ The <b>rawValues</b> element specifies a <b>MethodInstance</b> that does not specify a <b>ReturnPropertyDescriptor</b> and the type of the specified <b>MethodInstance</b> is one of the following values: <ul style="list-style-type: none"> <li>▪ AccessChecker</li> <li>▪ AssociationNavigator</li> <li>▪ BulkAssociatedIdEnumerator</li> <li>▪ BulkAssociationNavigator</li> <li>▪ BulkIdEnumerator</li> <li>▪ BulkSpecificFinder</li> <li>▪ ChangedIdEnumerator</li> <li>▪ DeletedIdEnumerator</li> <li>▪ Finder</li> <li>▪ IdEnumerator</li> <li>▪ Scalar</li> <li>▪ SpecificFinder</li> <li>▪ StreamAccessor</li> </ul> </li> </ul>
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The <b>rawValues</b> element specifies a <b>MetadataObject</b> with invalid attributes.</li> <li>▪ The <b>rawValues</b> element specifies a <b>MethodInstance</b> which specifies a <b>ReturnPropertyDescriptor</b> that is not contained by any <b>Parameters</b> that are contained by the <b>Method</b> specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>rawValues</b> element specifies a <b>MethodInstance</b> which specifies a <b>ReturnPropertyDescriptor</b> that is contained by a <b>Parameter</b> with direction "In".</li> </ul>

Error complex type	Condition
	<ul style="list-style-type: none"> <li>▪ The <b>rawValues</b> element specifies a <b>MethodInstance</b> that does not specify a <b>ReturnTypeDescriptor</b> and the type of the specified <b>MethodInstance</b> is one of the following values: <ul style="list-style-type: none"> <li>▪ AccessChecker</li> <li>▪ AssociationNavigator</li> <li>▪ BulkAssociatedIdEnumerator</li> <li>▪ BulkAssociationNavigator</li> <li>▪ BulkIdEnumerator</li> <li>▪ BulkSpecificFinder</li> <li>▪ ChangedIdEnumerator</li> <li>▪ DeletedIdEnumerator</li> <li>▪ Finder</li> <li>▪ IdEnumerator</li> <li>▪ Scalar</li> <li>▪ SpecificFinder</li> <li>▪ StreamAccessor</li> </ul> </li> <li>▪ The <b>rawValues</b> element specifies a <b>MethodInstance</b> that has a <b>ReturnTypeDescriptor</b> with <b>isCollection</b> element value set to "false" in the <b>typeDescriptorFlags</b> element, and the type of the specified <b>MethodInstance</b> is one of the following values: <ul style="list-style-type: none"> <li>▪ Finder</li> <li>▪ IdEnumerator</li> <li>▪ ChangedIdEnumerator</li> <li>▪ DeletedIdEnumerator</li> <li>▪ BulkSpecificFinder</li> <li>▪ BulkAssociationNavigator</li> <li>▪ BulkIdEnumerator</li> </ul> </li> <li>▪ The <b>rawValues</b> element specifies a <b>MethodInstance</b> that has a <b>ReturnTypeDescriptor</b> with <b>isCollection</b> element value set to "true" in the <b>typeDescriptorFlags</b> element and the type of the specified <b>MethodInstance</b> is one of the</li> </ul>

Error complex type	Condition
	<p>following values:</p> <ul style="list-style-type: none"> <li>SpecificFinder</li> <li>Scalar</li> <li>AccessChecker</li> <li>Creator</li> <li>StreamAccessor</li> </ul> <ul style="list-style-type: none"> <li>The <b>rawValues</b> element specifies a <b>MethodInstance</b> that has a <b>ReturnTypeDescriptor</b> that contains other <b>TypeDescriptors</b>, and the type of the specified <b>MethodInstance</b> is "StreamAccessor".</li> <li>The <b>rawValues</b> element specifies a <b>MethodInstance</b> and the <b>TypeDescriptor</b> that contains the <b>ReturnTypeDescriptor</b> of the <b>MethodInstance</b> also contains other <b>TypeDescriptors</b>, and the LobSystem that contains the DataClass that contains the <b>Method</b> that contains the <b>MethodInstance</b> does not allow this configuration, and the specified <b>MethodInstance</b> is a StreamAccessor.</li> <li>The <b>rawValues</b> element specifies a <b>MethodInstance</b>, and the <b>Method</b> specified by the <b>parentStruct</b> element does not contain a TimeStampFilter, and the type of the specified <b>MethodInstance</b> is one of the following values: <ul style="list-style-type: none"> <li>ChangedIdEnumerator</li> <li>DeletedIdEnumerator</li> </ul> </li> <li>The <b>rawValues</b> element specifies a <b>MethodInstance</b> that requires an input but the <b>Method</b> specified by <b>parentStruct</b> does not contain any <b>Parameters</b> with direction "In" or "InOut".</li> <li>The <b>rawValues</b> element specifies a FilterDescriptor of type TimeStampFilter, but the <b>Method</b> specified by the <b>parentStruct</b> already contains a <b>TimeStampFilter</b>.</li> <li>The <b>rawValues</b> element specifies a <b>Parameter</b> with direction "Return" but the <b>Method</b> specified by <b>parentStruct</b> already contains another <b>Parameter</b> with direction "Return".</li> <li>The <b>rawValues</b> element specifies an Association and the same <b>Entity</b> is specified as a source of the <b>Association</b> more than once.</li> </ul>
<b>BdcExceptionState</b> (section <a href="#">2.2.4.25</a> )	The <b>MetadataObject</b> specified in <b>rawValues</b>

Error complex type	Condition
	element is an <b>Entity</b> or a <b>TypeDescriptor</b> .
<b>DuplicateMetadataObjectExceptionState</b> (section <a href="#">2.2.4.30</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The <b>rawValues</b> element specifies a LobSystem and another <b>LobSystem</b> with the same name already exists in the metadata store.</li> <li>▪ The <b>rawValues</b> element specifies a <b>MethodInstance</b> and the <b>DataClass</b>, that contains the <b>Method</b> specified by the <b>parentStruct</b> element, already contains another <b>Method</b> that contains a <b>MethodInstance</b> with the same name as the specified <b>MethodInstance</b>.</li> <li>▪ The <b>rawValues</b> element specifies an <b>Association</b> and the <b>DataClass</b>, that contains the <b>Method</b> specified by the <b>parentStruct</b> element, already contains another <b>Method</b> that contains an <b>Association</b> with the same name as the specified <b>Association</b>.</li> <li>▪ The <b>rawValues</b> element specifies a MetadataCatalog, and another <b>MetadataCatalog</b> that already exists in the metadata store has the same Partition as the specified <b>MetadataCatalog</b>.</li> <li>▪ The <b>MetadataObject</b> specified by the <b>parentStruct</b> element already contains another <b>MetadataObject</b> that has same name and type as the <b>MetadataObject</b> specified by the <b>rawValues</b> element.</li> </ul>
<b>ExceededMetadataObjectLimitExceptionState</b> (section <a href="#">2.2.4.32</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The <b>MetadataObject</b> specified by the <b>parentStruct</b> element already contains the implementation-specific maximum number of <b>MetadataObjects</b> that have the same type as the <b>MetadataObject</b> specified by the <b>rawValues</b> element.</li> <li>▪ The <b>rawValues</b> element specifies a <b>MethodInstance</b> which of type IdEnumerator, AccessChecker, Deleter, ChangedIdEnumerator, DeletedIdEnumerator, or BulkIdEnumerator, but the <b>DataClass</b> containing the <b>Method</b> specified by the <b>parentStruct</b> element already has another <b>MethodInstance</b> of the same type.</li> </ul>
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	The <b>MetadataObject</b> specified by the <b>parentStruct</b> is contained by an active <b>Entity</b> .
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The <b>MetadataObject</b> specified by the</li> </ul>

Error complex type	Condition
	<p><b>parentStruct</b> element does not exist in the metadata store.</p> <ul style="list-style-type: none"> <li>The <b>rawValues</b> element specifies a <b>MetadataObject</b> other than <b>Association</b> that references another <b>MetadataObject</b> that does not exist in the metadata store.</li> </ul>

If the **rawValues** element specifies any of the **MetadataObjects** in the following table, the protocol server MUST perform the corresponding actions, in addition to creating the **MetadataObject** in the metadata store.

MetadataObject	Action
Identifier	Set the "OrdinalNumber" attribute of the created <b>Identifier</b> to 1 plus the maximum value of "OrdinalNumber" attributes of all the <b>Identifiers</b> contained by the <b>Entity</b> specified by the <b>parentStruct</b> element.
Parameter	Set the "OrdinalNumber" attribute of the created <b>Parameter</b> to 1 plus the maximum value of "OrdinalNumber" attributes of all the <b>Parameters</b> contained by the <b>Method</b> specified by the <b>parentStruct</b> element.
MethodInstance	<p>Set the <b>IsDefault</b> attributes of all other <b>MethodInstances</b> of type equal to the type of the created <b>MethodInstance</b> within the <b>DataClass</b> that contains the <b>Method</b> specified by the <b>parentStruct</b> element to <b>false</b>, if the <b>IsDefault</b> attribute is <b>true</b> on the created <b>MethodInstance</b>. If the <b>IsDefault</b> attribute is <b>false</b> on the created <b>MethodInstance</b>, and the <b>DataClass</b> that contains the <b>Method</b> specified by the <b>parentStruct</b> element does not contain any other <b>MethodInstance</b> that has the type equal to the type of the created <b>MethodInstance</b>, the protocol server MUST set the <b>IsDefault</b> attribute of the created <b>MethodInstance</b> to <b>true</b>.</p> <p>Copy the access control entries from the <b>Entity</b> that contains the <b>Method</b> specified by the <b>parentStruct</b> to the created <b>MethodInstance</b>.</p>
LobSystem	Copy the access control entries from the <b>MetadataCatalog</b> specified by the <b>parentStruct</b> to the created <b>LobSystem</b> .
Model	Copy the access control entries from the <b>MetadataCatalog</b> specified by the <b>parentStruct</b> to the created <b>Model</b> .
Method	Copy the access control entries from the <b>Entity</b> specified by the <b>parentStruct</b> to the created <b>Method</b> .

### 3.1.4.93.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.93.1.1

#### BusinessDataCatalogSharedService\_MetadataObjectCreate\_InputMessage

The request WSDL message for the **MetadataObjectCreate** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectCreate>

The SOAP body contains the **MetadataObjectCreate** element.

### 3.1.4.93.1.2

#### **BusinessDataCatalogSharedService\_MetadataObjectCreate\_OutputMessage**

The response WSDL message for the **MetadataObjectCreate** WSDL operation.

The SOAP body contains the **MetadataObjectCreateResponse** element.

### 3.1.4.93.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.93.2.1 **MetadataObjectCreate**

The input data for the **MetadataObjectCreate** WSDL operation.

```
<xs:element name="MetadataObjectCreate">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q191="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="rawValues" type="q191:MetadataObjectStruct"/>
      <xs:element xmlns:q192="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="parentStruct" nillable="true" type="q192:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**rawValues:** Specifies the MetadataObject to create. The protocol client MUST specify values for all the elements in this complex type.

**parentStruct:** Specifies the MetadataObject in which to create the new MetadataObject in.

#### 3.1.4.93.2.2 **MetadataObjectCreateResponse**

The result data for the **MetadataObjectCreate** WSDL operation.

```
<xs:element name="MetadataObjectCreateResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q193="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="MetadataObjectCreateResult" type="q193:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**MetadataObjectCreateResult:** The created MetadataObject. If the **MetadataObject** specified in the request is a MetadataCatalog, and another **MetadataCatalog** with the same Partition as the specified **MetadataCatalog** already exists in the metadata store, this operation MUST return the already existing **MetadataCatalog**.

### 3.1.4.93.3 Complex Types

None.

### 3.1.4.93.4 Simple Types

None.

### 3.1.4.93.5 Attributes

None.

### 3.1.4.93.6 Groups

None.

### 3.1.4.93.7 Attribute Groups

None.

### 3.1.4.94 MetadataObjectMergeXml

This operation is used to merge the Properties, localized names, and access control entries contained by the specified MetadataModel into the existing MetadataObjects in the metadata store. The **MetadataModel** MUST be specified as a Well-Formed External Parsed Entity according to [\[XML\]](#) section 4.3.2 and MUST have one of the following elements as the root element:

- Action element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.27.
- ActionParameter element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.29.
- Association element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.30.
- AssociationGroup element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.13.
- Entity element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.11.
- FilterDescriptor element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.19.
- Identifier element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.15.
- LobSystem element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.7.
- LobSystemInstance element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.9.
- Method element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.17.
- MethodInstance element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.21.
- Model element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.1.
- Parameter element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.23.

```
<wsdl:operation name="MetadataObjectMergeXml">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCata
```

```

logSharedService/MetadataObjectMergeXml"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlResponse"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_PackageFormatExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_MetadataExceptionStateFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_MetadataObjectMergeXml\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_MetadataObjectMergeXml\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.



Error complex type	Condition
<b>BdcExceptionState</b> (section <a href="#">2.2.4.25</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The <b>mergedStruct</b> element specifies a TypeDescriptor.</li> <li>▪ The "Properties" value is specified in the <b>packageContents</b> element, the specified <b>MetadataModel</b> contains Properties for a <b>MetadataObject</b>, and the security principal (2) in whose context the protocol client is operating is not authorized to modify that <b>MetadataObject</b>.</li> <li>▪ The "LocalizedNames" value is specified in the <b>packageContents</b> element, the specified <b>MetadataModel</b> contains localized names for a <b>MetadataObject</b>, and the security principal (2) in whose context the protocol client is operating is not authorized to modify that <b>MetadataObject</b>.</li> <li>▪ The "Permissions" value is specified in the <b>packageContents</b> element, the specified <b>MetadataModel</b> contains access control entries for a <b>MetadataObject</b>, and the security principal (2) in whose context the protocol client is operating is not authorized to set permissions for that <b>MetadataObject</b>.</li> </ul>
<b>ExceededMetadataObjectLimitExceptionState</b> (section <a href="#">2.2.4.32</a> )	<p>The specified <b>MetadataModel</b> contains one or more <b>MetadataObjects</b> that already contain the implementation-specific maximum number of <b>Properties</b> and the <b>packageContents</b> element has "Properties" set in its value.</p>
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The specified <b>MetadataModel</b> contains one or more <b>MetadataObjects</b> that already contain the implementation-specific maximum number of localized names and the <b>packageContents</b> element has "LocalizedNames" in its value.</li> <li>▪ The specified <b>MetadataModel</b> contains one or more <b>MetadataObjects</b> which does not contain any access control entry that specifies "SetPermissions" permission, and the <b>packageContents</b> element has "Permissions" in its value, and the specified <b>MetadataObject</b> is one of the following: <ul style="list-style-type: none"> <li>▪ <b>Association</b></li> <li>▪ <b>MetadataCatalog</b></li> <li>▪ <b>Model</b></li> <li>▪ <b>LobSystem</b></li> </ul> </li> </ul>

Error complex type	Condition
	<ul style="list-style-type: none"> <li>▪ <b>Entity</b></li> <li>▪ <b>Method</b></li> <li>▪ <b>MethodInstance</b></li> </ul>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	One or more <b>MetadataObjects</b> specified by the <b>MetadataModel</b> do not exist in the metadata store.
<b>PackageFormatExceptionState</b> (section <a href="#">2.2.4.48</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The specified <b>MetadataModel</b> does not conform to <a href="#">[MS-BDCMFFS]</a> section 2.2.</li> <li>▪ One or more <b>MetadataObjects</b> specified by the <b>MetadataModel</b> do not exist in the metadata store.</li> <li>▪ One or more of the <b>TypeDescriptors</b> are specified in the <b>MetadataModel</b> that has <b>DefaultValues</b>, but the <b>Method</b> that contains the <b>Parameter</b> that contains these <b>TypeDescriptors</b> does not contain the <b>MethodInstance</b> specified by <b>DefaultValue</b>.</li> <li>▪ The "Model" value is specified in the <b>packageContents</b> element.</li> </ul>

### 3.1.4.94.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.94.1.1

#### **BusinessDataCatalogSharedService\_MetadataObjectMergeXml\_InputMessage**

The request WSDL message for the **MetadataObjectMergeXml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXml
```

The SOAP body contains the **MetadataObjectMergeXml** element.

#### 3.1.4.94.1.2

#### **BusinessDataCatalogSharedService\_MetadataObjectMergeXml\_OutputMessage**

The response WSDL message for the **MetadataObjectMergeXml** WSDL operation.

The SOAP body contains the **MetadataObjectMergeXmlResponse** element.

### 3.1.4.94.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.94.2.1 MetadataObjectMergeXml

The input data for the **MetadataObjectMergeXml** WSDL operation.

```
<xs:element name="MetadataObjectMergeXml">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string"/>
      <xs:element xmlns:q197="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="packgeContents" type="q197:PackageContents"/>
      <xs:element xmlns:q198="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="parentStruct" type="q198:MetadataObjectStruct"/>
      <xs:element xmlns:q199="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="mergedStruct" type="q199:MetadataObjectStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**xml:** The XML representation of the **MetadataModel** that conforms to [\[MS-BDCMFFS\]](#) section 2.2.

**packgeContents:** Specifies the parts of the **MetadataModel** to be merged into the existing **MetadataObjects**. The protocol server MUST follow the following rules:

- If the "Properties" value is specified the protocol server MUST merge the Properties for the corresponding **MetadataObjects** for the specified Setting. During this merge, if a Property, that has the same name as the **Property** specified by the **MetadataModel**, already exists for the specified **MetadataObject**, then the protocol server MUST remove the already existing Property and then create a new **Property** that corresponds to the Property specified in the **MetadataModel**. If a **Property** with the specified name does not exist for the specified **MetadataObject**, then the protocol server MUST create a new Property that corresponds to the **Property** specified in the **MetadataModel**.
- If the "Properties" value is not specified the protocol server MUST ignore **Properties** in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified the protocol server MUST merge the localized names for the corresponding **MetadataObjects** for the specified **Setting**. During this merge, if a localized name, that has the same LCID and **Setting** as the localized name specified by the **MetadataModel**, already exists for the specified **MetadataObject**, then the protocol server MUST remove the already existing localized name and then create a new localized name that corresponds to the localized name specified in the **MetadataModel**. If a localized name with the specified LCID and **Setting** does not exist for the specified **MetadataObject** then the protocol server MUST create a new localized name that corresponds to the localized name specified in the **MetadataModel**.
- If the "LocalizedNames" value is not specified the protocol server MUST ignore localized names in the specified **MetadataModel**.

- If the "Permissions" value is specified and **MetadataModel** specifies access control entries for a **MetadataObject** for the specified **Setting**, protocol server MUST remove any of the existing **access control entries** for the specified **MetadataObject** for the specified **Setting**, and then create new **access control entries** that corresponds to the access control entries specified in the **MetadataModel** for the specified **Setting**.
- If the "Permissions" value is not specified the protocol server MUST ignore access control entries in the specified **MetadataModel**.

**parentStruct:** The **MetadataObject** that contains the **MetadataObject** specified by the **MetadataModel**.

**mergedStruct:** The **MetadataObject** into which to merge the **Properties**, localized names, and access control entries. The attributes of the specified **MetadataObject** MUST be ignored by the protocol server. The type of this element MUST be the complex type corresponding to the root element of the specified XML in the following table.

Root element name	Complex type
<b>Action</b>	<b>ActionStruct</b> (section <a href="#">2.2.4.5</a> )
<b>ActionParameter</b>	<b>ActionParameterStruct</b> (section <a href="#">2.2.4.4</a> )
<b>Association</b>	<b>AssociationStruct</b> (section <a href="#">2.2.4.23</a> )
<b>AssociationGroup</b>	<b>AssociationGroupStruct</b> (section <a href="#">2.2.4.21</a> )
<b>Entity</b>	<b>EntityStruct</b> (section <a href="#">2.2.4.31</a> )
<b>FilterDescriptor</b>	<b>FilterDescriptorStruct</b> (section <a href="#">2.2.4.34</a> )
<b>Identifier</b>	<b>IdentifierStruct</b> (section <a href="#">2.2.4.35</a> )
<b>LobSystem</b>	<b>LobSystemStruct</b> (section <a href="#">2.2.4.40</a> )
<b>LobSystemInstance</b>	<b>LobSystemInstanceStruct</b> (section <a href="#">2.2.4.39</a> )
<b>Method</b>	<b>MethodStruct</b> (section <a href="#">2.2.4.47</a> )
<b>MethodInstance</b>	<b>MethodInstanceStruct</b> (section <a href="#">2.2.4.45</a> )
<b>Model</b>	<b>ModelStruct</b> (section <a href="#">2.2.4.47</a> )
<b>Parameter</b>	<b>ParameterStruct</b> (section <a href="#">2.2.4.49</a> )

**settingId:** The Setting to merge the Properties, localized names and access control entries. If the value is NULL, then protocol server MUST use the default Setting while performing the operation.

**callerCultureLcid:** Specifies the LCID corresponding to the locale in which the error messages are to be returned for. If the protocol server is capable of generating error messages in the specified locale, all error messages MUST be generated for the specified locale. Otherwise, protocol server MUST return errors in a locale determined with an implementation-specific algorithm.

### 3.1.4.94.2.2 MetadataObjectMergeXmlResponse

The result data for the **MetadataObjectMergeXml** WSDL operation.

```
<xs:element name="MetadataObjectMergeXmlResponse">
```

```

<xs:complexType>
  <xs:sequence>
    <xs:element xmlns:q200="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
      minOccurs="1" maxOccurs="1" name="errors" type="q200:ArrayOfString"/>
    <xs:element xmlns:q201="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
      name="mergedStruct" type="q201:MetadataObjectStruct"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**errors:** List of implementation-specific error messages that occurred while performing this operation.

**mergedStruct:** The MetadataObject into which the Properties, localized names, and access control entries were merged.

### 3.1.4.94.3 Complex Types

None.

### 3.1.4.94.4 Simple Types

None.

### 3.1.4.94.5 Attributes

None.

### 3.1.4.94.6 Groups

None.

### 3.1.4.94.7 Attribute Groups

None.

### 3.1.4.95 MetadataObjectReadXml

This operation is used to create MetadataObjects in the metadata store, optionally along with their Properties, localized names, and access control entries, contained by the specified MetadataModel. This operation creates **Properties**, localized names, and access control entries for default Setting. The MetadataModel MUST be specified as a Well-Formed External Parsed Entity according to [\[XML\]](#) section 4.3.2 and MUST have one of the following elements as the root element:

- Action element as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.34.
- ActionParameter element as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.36.
- Association element as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.37.
- AssociationGroup element as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.13.
- Entity element as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.11.
- Identifier element as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.16.

- FilterDescriptor element as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.20.
- LobSystem element as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.7.
- LobSystemInstance element as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.9.
- Method element as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.18.
- MethodInstance element as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.22.
- Parameter element as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.24.

```
<wsdl:operation name="MetadataObjectReadXml">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXml"
    message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlResponse"
    message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlPackageFormatExceptionStateFault"
    name="PackageFormatExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_PackageFormatExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlArgumentExceptionFault"
    name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_InvalidOperationExceptionFault_FaultMessage"/>
</wsdl:operation>
```

</wsdl:operation>

The protocol client sends a

**BusinessDataCatalogSharedService\_MetadataObjectReadXml\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_MetadataObjectReadXml\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in the section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"><li>▪ The <b>xml</b> element specifies a <b>LobSystem</b> and the security principal in whose context the protocol client is operating is not authorized to modify the <b>MetadataCatalog</b> specified by the <b>parentStruct</b> element.</li><li>▪ The <b>xml</b> element specifies a <b>LobSystemInstance</b> and the security principal in whose context the protocol client is operating is not authorized to modify the <b>LobSystem</b> specified by the <b>parentStruct</b> element.</li><li>▪ The <b>xml</b> element specifies an <b>Entity</b> and the security principal in whose context the protocol client is operating is not authorized to modify the <b>LobSystem</b> specified by the <b>parentStruct</b> element.</li><li>▪ The <b>xml</b> element specifies an <b>Identifier</b> and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Entity</b> specified by the <b>parentStruct</b> element.</li><li>▪ The <b>xml</b> element specifies an <b>Action</b> and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Entity</b> specified by the <b>parentStruct</b> element.</li><li>▪ The <b>xml</b> element specifies an <b>ActionParameter</b> and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Entity</b> that contains the <b>Action</b> specified by the <b>parentStruct</b> element.</li><li>▪ The <b>xml</b> element specifies a <b>Method</b> and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Entity</b> specified by the <b>parentStruct</b> element.</li><li>▪ The <b>xml</b> element specifies an <b>AssociationGroup</b> and the security principal in whose context the protocol client is operating is not authorized to</li></ul>

Error complex type	Condition
	<p>modify the <b>Entity</b> specified by the <b>parentStruct</b> element.</p> <ul style="list-style-type: none"> <li>▪ The <b>xml</b> element specifies a <b>MethodInstance</b> and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Method</b> specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>xml</b> element specifies a <b>Parameter</b> and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Method</b> specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>xml</b> element specifies a <b>FilterDescriptor</b> and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Method</b> specified by the <b>parentStruct</b> element.</li> <li>▪ The <b>xml</b> element specifies an <b>Association</b> and the security principal in whose context the protocol client is operating is not authorized to modify the <b>Method</b> specified by the <b>parentStruct</b> element.</li> </ul>
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ "Model" value is not specified in the <b>packageContents</b> element.</li> <li>▪ The "InlineProxies" value is specified for the <b>packageContents</b> element and the specified <b>MetadataModel</b> contains a <b>LobSystem</b> with an associated Business Logic Module.</li> <li>▪ The specified <b>MetadataModel</b> contains a <b>Method</b> that contains more than one <b>FilterDescriptor</b> of type <b>TimeStampFilter</b>.</li> <li>▪ The specified <b>MetadataModel</b> contains a <b>Method</b> that contains more than one <b>Parameter</b> with the <b>Direction</b> attribute set to "Return".</li> <li>▪ The specified <b>MetadataModel</b> contains an <b>Association</b> which references the same <b>Entity</b> more than once as a source of the <b>Association</b>.</li> <li>▪ The specified <b>MetadataModel</b> contains a <b>StreamAccessor</b> that specifies <b>ReturnTypeDescriptor</b> that contains other <b>TypeDescriptors</b>.</li> <li>▪ The specified <b>MetadataModel</b> contains a <b>StreamAccessor</b> and the <b>TypeDescriptor</b> containing the <b>ReturnTypeDescriptor</b> of this <b>MethodInstance</b> contains another <b>TypeDescriptor</b> under its parent</li> </ul>



Error complex type	Condition
	<p><b>TypeDescriptor</b>, and the <b>LobSystem</b> containing the <b>Entity</b> which contains this <b>StreamAccessor</b> has type specified as "Database".</p> <ul style="list-style-type: none"> <li>The specified <b>MetadataModel</b> contains <b>MethodInstance</b>, and the <b>Method</b> for which this <b>MethodInstance</b> is being created does not have a Parameter whose <b>Direction</b> is "In" or "InOut" and the type of the this <b>MethodInstance</b>, is one of the following values: <ul style="list-style-type: none"> <li>AccessChecker</li> <li>AssociationNavigator</li> <li>Associator</li> <li>BinarySecurityDescriptorAccessor</li> <li>BulkAssociatedIdEnumerator</li> <li>BulkAssociationNavigator</li> <li>BulkIdEnumerator</li> <li>BulkSpecificFinder</li> <li>ChangedIdEnumerator</li> <li>DeletedIdEnumerator</li> <li>Deleter</li> <li>Disassociator</li> <li>SpecificFinder</li> <li>Updater</li> <li>StreamAccessor</li> </ul> </li> <li>The specified <b>MetadataModel</b> contains a <b>MethodInstance</b>, the <b>Method</b> containing this <b>MethodInstance</b> is not contain a <b>TimeStampFilter</b> and the type of this <b>MethodInstance</b> is one of the following values: <ul style="list-style-type: none"> <li>ChangedIdEnumerator</li> <li>DeletedIdEnumerator</li> </ul> </li> </ul>
<b>BdcExceptionState</b> (section <a href="#">2.2.4.25</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>The specified <b>MetadataModel</b> represents a <b>Model</b> or a <b>TypeDescriptor</b>.</li> </ul> <p>The specified <b>MetadataModel</b> does not conform to the format specified in [MS-BDCMFFS].</p>

Error complex type	Condition
<b>DuplicateMetadataObjectExceptionState</b> (section <a href="#">2.2.4.30</a> )	The specified <b>MetadataModel</b> represents a <b>LobSystem</b> , and another <b>LobSystem</b> with the same name and different type already exists in the metadata store.
<b>ExceededMetadataObjectLimitExceptionState</b> (section <a href="#">2.2.4.32</a> )	The specified <b>MetadataModel</b> contains a <b>MetadataObject</b> that contains more objects of a type than the implementation-specific maximum number of that type of objects. <b>MetadataObjects</b> , <b>Properties</b> , localized names, <a href="#">&lt;87&gt;</a> and access control entries are the types of objects where an implementation-specific maximum number limit can be enforced by the protocol server. For example, this condition is met when an <b>Entity</b> contains more <b>Methods</b> than the implementation-specific maximum number of <b>Methods</b> allowed per <b>Entity</b> .
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The specified <b>MetadataModel</b> contains one or more <b>MetadataObjects</b> that contain an access control entry which specify <b>anonymous user</b> to have permissions other than "Execute", the <b>packageContents</b> element has "Permissions" in its value, and the specified <b>MetadataObject</b> is one of the following: <ul style="list-style-type: none"> <li>▪ <b>Association</b></li> <li>▪ <b>Entity</b></li> <li>▪ <b>LobSystem</b></li> <li>▪ <b>Method</b></li> <li>▪ <b>MethodInstance</b></li> </ul> </li> <li>▪ The specified <b>MetadataModel</b> contains one or more <b>MetadataObject</b> elements that does not contain an access control entry that is set to "SetPermissions", the <b>packageContents</b> element has "Permissions" in its value, and the specified <b>MetadataObject</b> is one of the following: <ul style="list-style-type: none"> <li>▪ <b>Association</b></li> <li>▪ <b>Entity</b></li> <li>▪ <b>LobSystem</b></li> <li>▪ <b>Method</b></li> <li>▪ <b>MethodInstance</b></li> </ul> </li> </ul>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The creation of the <b>MetadataObjects</b> in the specified <b>MetadataModel</b> cannot be because <b>MetadataObjects</b> are missing in the metadata store.

Error complex type	Condition
<b>PackageFormatExceptionState</b> (section <a href="#">2.2.4.48</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>One or more <b>Entities</b> in the specified <b>MetadataModel</b> already exist on a different <b>LobSystem</b>.</li> <li>The protocol server cannot find the Parameter that contains the ReturnPropertyDescriptor associated with one of the <b>MethodInstances</b> contained by the specified <b>MetadataModel</b>.</li> <li>One or more of the <b>TypeDescriptors</b> are specified in the <b>MetadataModel</b> have DefaultValues, but the <b>Method</b> that contains the Parameter that contains these <b>TypeDescriptors</b>, do not contain the <b>MethodInstance</b> specified by these <b>DefaultValues</b>.</li> </ul>

### 3.1.4.95.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.95.1.1

#### **BusinessDataCatalogSharedService\_MetadataObjectReadXml\_InputMessage**

The request WSDL message for the **MetadataObjectReadXml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXml
```

The SOAP body contains the **MetadataObjectReadXml** element.

#### 3.1.4.95.1.2

#### **BusinessDataCatalogSharedService\_MetadataObjectReadXml\_OutputMessage**

The response WSDL message for the **MetadataObjectReadXml** WSDL operation.

The SOAP body contains the **MetadataObjectReadXmlResponse** element.

### 3.1.4.95.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.95.2.1 **MetadataObjectReadXml**

The input data for the **MetadataObjectReadXml** WSDL operation.

```
<xs:element name="MetadataObjectReadXml">
  <xs:complexType>
    <xs:sequence>
```

```

    <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string"/>
    <xs:element xmlns:q202="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="packageContents" type="q202:PackageContents"/>
    <xs:element xmlns:q203="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="parentStruct" type="q203:MetadataObjectStruct"/>
    <xs:element xmlns:q204="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="readStruct" type="q204:MetadataObjectStruct"/>
    <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**xml:** The XML representation of the MetadataModel that conforms to Business Data Connectivity Model File Format as specified in [\[MS-BDCMFFS\]](#).

**packageContents:** Specifies what part of the MetadataModel are to be created. The protocol server MUST follow the following rules:

- If the "Properties" value is specified the protocol server MUST create the specified Properties for the corresponding MetadataObjects.
- If the "Properties" value is not specified the protocol server MUST ignore **Properties** in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified the protocol server MUST create the specified localized names for the corresponding **MetadataObjects**.
- If the "LocalizedNames" value is not specified the protocol server MUST ignore localized names in the specified **MetadataModel**.
- If the "Permissions" value is specified the protocol server MUST create the specified access control entries for the corresponding **MetadataObjects**.
- If the "Permissions" value is not specified the protocol server MUST ignore access control entries in the specified **MetadataModel**.

**parentStruct:** Specifies the **MetadataObject** in which to create the new **MetadataObject**.

**readStruct:** The **MetadataObject** that corresponds to the root element of the specified **MetadataModel**. The attributes of the specified **MetadataObject** MUST be ignored by the protocol server. The type of this element MUST be the complex type corresponding to the root element of the specified XML in the following table.

Root Element Name	Complex Type
<b>Action</b>	<b>ActionStruct</b> (section <a href="#">2.2.4.5</a> )
<b>ActionParameter</b>	<b>ActionParameterStruct</b> (section <a href="#">2.2.4.4</a> )
<b>Association</b>	<b>AssociationStruct</b> (section <a href="#">2.2.4.23</a> )
<b>AssociationGroup</b>	<b>AssociationGroupStruct</b> (section <a href="#">2.2.4.21</a> )
<b>Entity</b>	<b>EntityStruct</b> (section <a href="#">2.2.4.31</a> )
<b>FilterDescriptor</b>	<b>FilterDescriptorStruct</b> (section <a href="#">2.2.4.34</a> )

Root Element Name	Complex Type
<b>Identifier</b>	<b>IdentifierStruct</b> (section <a href="#">2.2.4.35</a> )
<b>LobSystem</b>	<b>LobSystemStruct</b> (section <a href="#">2.2.4.40</a> )
<b>LobSystemInstance</b>	<b>LobSystemInstanceStruct</b> (section <a href="#">2.2.4.39</a> )
<b>Method</b>	<b>MethodStruct</b> (section <a href="#">2.2.4.46</a> )
<b>MethodInstance</b>	<b>MethodInstanceStruct</b> (section <a href="#">2.2.4.45</a> )
<b>Parameter</b>	<b>ParameterStruct</b> (section <a href="#">2.2.4.49</a> )

**callerCultureLcid:** Specifies the LCID corresponding to the locale for which the error messages are to be returned. If the protocol server is capable of generating error messages in the specified locale, all error messages MUST be generated for the specified locale. Otherwise, the protocol server MUST return errors in a locale determined with an implementation-specific algorithm.

### 3.1.4.95.2.2 MetadataObjectReadXmlResponse

The result data for the **MetadataObjectReadXml** WSDL operation.

```
<xs:element name="MetadataObjectReadXmlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q205="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="1" maxOccurs="1" name="errors" type="q205:ArrayOfstring"/>
      <xs:element xmlns:q206="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="readStruct" type="q206:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**errors:** List of implementation-specific error messages that occurred while performing this operation.

**readStruct:** The MetadataObject that specifies the created **MetadataObject**.

### 3.1.4.95.3 Complex Types

None.

### 3.1.4.95.4 Simple Types

None.

### 3.1.4.95.5 Attributes

None.

### 3.1.4.95.6 Groups

None.

### 3.1.4.95.7 Attribute Groups

None.

### 3.1.4.96 MetadataObjectWriteXml

The **MetadataObjectWriteXml** operation is used to retrieve an XML representation of the following objects from the metadata store:

- MetadataObjects contained by the MetadataModel along with their Properties, localized names, and access control entries, if "Model" value is specified for the **packageContents** element. The XML MUST conform to [\[MS-BDCMFFS\]](#) section 2.1.
- Localized names, **Properties**, and access control entries corresponding to **MetadataObjects** contained by the **MetadataModel**, if "Model" value is not specified for the **packageContents** element. The XML MUST conform to [\[MS-BDCMFFS\]](#) section 2.2.

The **MetadataModel** used for this operation MUST contain the specified **MetadataObject**, and other **MetadataObjects** that are contained by the **MetadataModel**; it MUST NOT contain any other **MetadataObjects**.

If the specified **MetadataModel** contains LobSystems that the security principal (2) in whose context the protocol client is operating is not authorized to modify, the XML representation returned by this operation MUST NOT contain those **LobSystems**, and MUST NOT contain other **MetadataObjects** contained by **MetadataObjects** that are not contained in the result for this reason.

```
<wsdl:operation name="MetadataObjectWriteXml">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXml"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXmlResponse"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_BdcExceptionStateFault_F
aultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_PackageFormatExceptionSt
ateFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentExceptionFault_F
aultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_MetadataObjectWriteXml\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_MetadataObjectWriteXml\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in the section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	One of the following conditions applies: <ul style="list-style-type: none"> <li>▪ The security principal (2) in whose context the protocol client is operating is not authorized to modify the specified <b>MetadataObject</b> and the <b>MetadataObject</b> is a <b>LobSystem</b> or a <b>LobSystemInstance</b>.</li> <li>▪ The security principal (2) in whose context the protocol client is operating is not authorized to modify the specified <b>MetadataObject</b> and the "Permissions" flag is set in <b>packageContents</b> element.</li> </ul>
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	The "InlineProxies" value requires the "Model" value to be also specified for the <b>packageContents</b> element.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	One or more <b>MetadataObjects</b> required for the operation does not exist.

### 3.1.4.96.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.96.1.1

##### **BusinessDataCatalogSharedService\_MetadataObjectWriteXml\_InputMessage**

The request WSDL message for the **MetadataObjectWriteXml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXml
```

The SOAP body contains the **MetadataObjectWriteXml** element.

#### 3.1.4.96.1.2

##### **BusinessDataCatalogSharedService\_MetadataObjectWriteXml\_OutputMessage**

The response WSDL message for the **MetadataObjectWriteXml** WSDL operation.

The SOAP body contains the **MetadataObjectWriteXmlResponse** element.

#### 3.1.4.96.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.96.2.1 **MetadataObjectWriteXml**

The input data for the **MetadataObjectWriteXml** WSDL operation.

```
<xs:element name="MetadataObjectWriteXml">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q207="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q207:MetadataObjectStruct"/>
      <xs:element xmlns:q208="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="packageContents" type="q208:PackageContents"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject to be retrieved.

**packageContents:** Specifies what kind of data to retrieve for the specified **MetadataObject**. The protocol server MUST follow the following rules:

- If the "Properties" value is specified, the protocol server MUST retrieve the Properties for the corresponding **MetadataObjects** from the specified Setting and if the "Model" value is also specified, then the protocol server MUST also retrieve the **Properties** from the default **Setting** that do not have the same name as the **Properties** in the specified **Setting**.
- If the "Properties" value is not specified, the protocol server MUST ignore **Properties** in the specified MetadataModel.
- If the "LocalizedNames" value is specified, the protocol server MUST retrieve the localized names for the corresponding **MetadataObjects** from the specified **Setting** and if the "Model" value is



also specified then the protocol server MUST also retrieve localized names from the default **Setting** that do not have the same LCID as the localized names in the specified **Setting**.

- If the "LocalizedNames" value is not specified, the protocol server MUST ignore localized names in the specified **MetadataModel**.
- If the "Permissions" value is specified, the protocol server MUST retrieve the access control entries for the corresponding **MetadataObjects** from the specified **Setting**. If there are no access control entries for the specified **Setting** for a **MetadataObject**, and if the "Model" value is also specified, then the protocol server MUST retrieve access control entries from the default **Setting** for that **MetadataObject**.
- If the "Permissions" value is not specified, the protocol server MUST ignore access control entries in the specified **MetadataModel**.
- If the "InlineProxies" value is not specified, the protocol server MUST ignore Business Logic Modules in the specified **MetadataModel**.

**settingId**: The **Setting** from which **Properties**, localized names, and access control entries are to be retrieved. If **Properties**, localized names, and access control entries are not retrieved, the protocol server MUST ignore the value of this element.

### 3.1.4.96.2.2 MetadataObjectWriteXmlResponse

The result data for the **MetadataObjectWriteXml** WSDL operation.

```
<xs:element name="MetadataObjectWriteXmlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="MetadataObjectWriteXmlResult"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**MetadataObjectWriteXmlResult**: The XML that represents the MetadataObject represented by the specified **metadataObjectStruct**. The XML MUST be a Well-Formed External Parsed Entity according to [\[XML\]](#). The schema of the root element of the XML fragment corresponding to the specified **metadataObjectStruct** MUST be as specified in the following table:

Complex type	Root element
<b>ActionParameterStruct</b> (section <a href="#">2.2.4.4</a> )	If the <b>packageContents</b> element is set to "Model", the ActionParameter element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.36. Otherwise, the <b>ActionParameter</b> element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.29.
<b>ActionStruct</b> (section <a href="#">2.2.4.5</a> )	If the <b>packageContents</b> element is set to "Model", the Action element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.34. Otherwise, the <b>Action</b> element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.27.
<b>AssociationGroupStruct</b> (section <a href="#">2.2.4.21</a> )	If the <b>packageContents</b> element is set to "Model", the AssociationGroup element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.13. Otherwise, the <b>AssociationGroup</b> element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.13.
<b>AssociationStruct</b> (section	If the <b>packageContents</b> element is set to "Model", the Association

Complex type	Root element
<a href="#">2.2.4.23</a> )	element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.37. Otherwise, the <b>Association</b> element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.30.
<b>EntityStruct</b> (section <a href="#">2.2.4.31</a> )	If the <b>packageContents</b> element is set to "Model", the Entity element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.11. Otherwise, the <b>Entity</b> element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.11.
<b>FilterDescriptorStruct</b> (section <a href="#">2.2.4.34</a> )	If the <b>packageContents</b> element is set to "Model", the FilterDescriptor element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.20. Otherwise, the <b>FilterDescriptor</b> element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.19.
<b>IdentifierStruct</b> (section <a href="#">2.2.4.35</a> )	If the <b>packageContents</b> element is set to "Model", the Identifier element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.16. Otherwise, the <b>Identifier</b> element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.15.
<b>LobSystemStruct</b> (section <a href="#">2.2.4.40</a> )	If the "Model" value of <b>packageContents</b> is specified, the LobSystem element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.7. Otherwise, the <b>LobSystem</b> element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.7.
<b>LobSystemInstanceStruct</b> (section <a href="#">2.2.4.39</a> )	If the "Model" value of <b>packageContents</b> is specified, the LobSystemInstance element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.9. Otherwise, the <b>LobSystemInstance</b> element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.9.
<b>MethodStruct</b> (section <a href="#">2.2.4.46</a> )	If the "Model" value of <b>packageContents</b> is specified, the Method element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.18. Otherwise, the <b>Method</b> element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.17.
<b>MethodInstanceStruct</b> (section <a href="#">2.2.4.45</a> )	If the "Model" value of <b>packageContents</b> is specified, the MethodInstance element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.22. Otherwise, the MethodInstance element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.21.
<b>ModelStruct</b> (section <a href="#">2.2.4.47</a> )	If the "Model" value of <b>packageContents</b> is specified, the Model element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.1. Otherwise, the <b>Model</b> element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.1.
<b>ParameterStruct</b> (section <a href="#">2.2.4.49</a> )	If the "Model" value of <b>packageContents</b> is specified, the Parameter element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.24. Otherwise, the <b>Parameter</b> element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.23.
<b>TypeDescriptorStruct</b> (section <a href="#">2.2.4.53</a> )	If the "Model" value of <b>packageContents</b> is specified, the TypeDescriptor element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.25. Otherwise, the <b>TypeDescriptor</b> element as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.24.

### 3.1.4.96.3 Complex Types

None.

### 3.1.4.96.4 Simple Types

None.

### 3.1.4.96.5 Attributes

None.

### 3.1.4.96.6 Groups

None.

### 3.1.4.96.7 Attribute Groups

None.

### 3.1.4.97 ModelReadXml

This operation is used to create **MetadataObjects** contained by the specified **MetadataModel** along with their **Properties**, localized names, and access control entries in the metadata store. The **MetadataModel** MUST be specified as an XML that conforms to the Business Data Connectivity Model File Format as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.1. If the **MetadataModel** contains a **LobSystem** that has the same name and type as a **LobSystem** in the metadata store, the **LobSystem** in the **MetadataModel** MUST be ignored by the protocol server along with all **LobSystemInstances** contained by that **LobSystem** and **Properties**, localized names, and access control entries of the ignored **MetadataObjects**. If the **MetadataModel** contains an **Entity** that has the same name, namespace and version as an **Entity** in the metadata store, and if the names of the **LobSystems** that contain these **Entities** are identical, the **Entity** in the **MetadataModel** MUST be ignored by the protocol server along with all **MetadataObjects** contained by the **Entity** or other ignored **MetadataObjects** and the **Properties**, localized names, and access control entries of the ignored **MetadataObjects**.

```
<wsdl:operation name="ModelReadXml">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXml"
    message="tns:BusinessDataCatalogSharedService_ModelReadXml_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlResponse"
    message="tns:BusinessDataCatalogSharedService_ModelReadXml_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_ModelReadXml_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_ModelReadXml_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_ModelReadXml_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlPackageFormatExceptionStateFault"
    name="PackageFormatExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_ModelReadXml_PackageFormatExceptionStateFault_FaultMessage"/>
```

```

<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ModelReadXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_ModelReadXml_ArgumentNullExceptionFault_FaultMe
ssage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ModelReadXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ModelReadXml_BdcExceptionStateFault_FaultMessag
e"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ModelReadXmlInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_ModelReadXml_InvalidOperationExceptionFault_Fau
ltMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_ModelReadXml\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_ModelReadXml\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to modify the MetadataCatalog.
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The "Model" value is not specified in the <b>packageContents</b> element.</li> <li>▪ The specified <b>MetadataModel</b> contains one or more <b>MetadataObjects</b> with invalid attributes.</li> <li>▪ The "InlineProxies" value is specified for the <b>packageContents</b> element and the specified <b>MetadataModel</b> contains <b>LobSystem</b> with an associated Business Logic Module.</li> <li>▪ The specified <b>MetadataModel</b> contains a Method that contains more than one TimeStampFilter.</li> <li>▪ The specified <b>MetadataModel</b> contains a <b>Method</b> that contains more than one Parameter with direction "Return".</li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains a StreamAccessor that specifies ReturnTypeDescriptor that contains other TypeDescriptors.</li> </ul>

Error complex type	Condition
	<ul style="list-style-type: none"> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains a <b>StreamAccessor</b> and the <b>TypeDescriptor</b> containing the <b>ReturnPropertyDescriptor</b> of this <b>MethodInstance</b> contains another <b>TypeDescriptor</b> under its parent <b>TypeDescriptor</b>, and the <b>LobSystem</b> containing the <b>Entity</b> which contains this <b>StreamAccessor</b> has type specified as "Database".</li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains <b>MethodInstance</b>, and the <b>Method</b> for which this <b>MethodInstance</b> is being created does not have a <b>Parameter</b> whose <b>Direction</b> is "In" or "InOut" and the type of the this <b>MethodInstance</b>, is one of the following values: <ul style="list-style-type: none"> <li>▪ AccessChecker</li> <li>▪ AssociationNavigator</li> <li>▪ Associator</li> <li>▪ BinarySecurityDescriptorAccessor</li> <li>▪ BulkAssociatedIdEnumerator</li> <li>▪ BulkAssociationNavigator</li> <li>▪ BulkIdEnumerator</li> <li>▪ BulkSpecificFinder</li> <li>▪ ChangedIdEnumerator</li> <li>▪ DeletedIdEnumerator</li> <li>▪ Deleter</li> <li>▪ Disassociator</li> <li>▪ SpecificFinder</li> <li>▪ Updater</li> <li>▪ StreamAccessor</li> </ul> </li> <li>▪ The "Model" value is specified for the <b>packageContents</b> element, and the specified <b>MetadataModel</b> contains a <b>MethodInstance</b>, the <b>Method</b> containing this <b>MethodInstance</b> is not contain a <b>TimeStampFilter</b> and the type of this <b>MethodInstance</b> is one of the following values: <ul style="list-style-type: none"> <li>▪ ChangedIdEnumerator</li> </ul> </li> </ul>

Error complex type	Condition
	<ul style="list-style-type: none"> <li>DeletedIdEnumerator</li> <li>The specified <b>MetadataModel</b> contains an Association which specifies an Entity as a source more than once.</li> </ul>
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId of the specified MetadataCatalog is 0.
<b>DuplicateMetadataObjectExceptionState</b> (section <a href="#">2.2.4.30</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>The value of the <b>updateModel</b> element is FALSE, and there is already another <b>Model</b> with the same name as the <b>Model</b> contained by the <b>MetadataModel</b> contained by the specified <b>MetadataCatalog</b>.</li> <li>The specified <b>MetadataModel</b> represents a <b>LobSystem</b>, but a <b>LobSystem</b> with the same name and different <b>SystemType</b> value already exists in the metadata store.</li> </ul>
<b>ExceededMetadataObjectLimitExceptionState</b> (section <a href="#">2.2.4.32</a> )	The specified <b>MetadataModel</b> contains a <b>MetadataObject</b> that contains more objects of a type than the implementation-specific maximum number of that type of objects. <b>MetadataObjects</b> , <b>Properties</b> , localized names<88> and access control entries are the types of objects where an implementation-specific maximum number limit can be enforced by the protocol server. For example, this condition is met when an <b>Entity</b> contains more <b>Methods</b> than the implementation-specific maximum number of <b>Methods</b> allowed per <b>Entity</b> .
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>The specified <b>MetadataModel</b> contains one or more <b>MetadataObjects</b> that contain an access control entry which specify anonymous user to have permissions other than "Execute", the <b>packageContents</b> element has "Permissions" in its value, and the specified <b>MetadataObject</b> is one of the following: <ul style="list-style-type: none"> <li><b>Association</b></li> <li><b>Entity</b></li> <li><b>LobSystem</b></li> <li><b>Method</b></li> <li><b>MethodInstance</b></li> </ul> </li> <li>The specified <b>MetadataModel</b> contains one or more <b>MetadataObject</b> elements that does not contain an access control entry that is set to "SetPermissions", the <b>packageContents</b></li> </ul>

Error complex type	Condition
	<p>element has "Permissions" in its value, and the specified <b>MetadataObject</b> is one of the following:</p> <ul style="list-style-type: none"> <li>▪ <b>Association</b></li> <li>▪ <b>Entity</b></li> <li>▪ <b>LobSystem</b></li> <li>▪ <b>Method</b></li> <li>▪ <b>MethodInstance</b></li> </ul>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The value of the <b>updateModel</b> element is <b>true</b> and the specified <b>MetadataCatalog</b> does not contain the <b>Model</b> contained by the <b>MetadataModel</b> .
<b>PackageFormatExceptionState</b> (section <a href="#">2.2.4.48</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The specified XML does not conform to the format specified in [MS-BDCMFFS].</li> <li>▪ One of the <b>Entities</b> contained by the <b>MetadataModel</b> has the same name, namespace and version as an <b>Entity</b> in the metadata store, but the names of the <b>LobSystems</b> that contain these <b>Entities</b> are not identical.</li> </ul>

### 3.1.4.97.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.97.1.1 BusinessDataCatalogSharedService\_ModelReadXml\_InputMessage

The request WSDL message for the **ModelReadXml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXml
```

The SOAP body contains the **ModelReadXml** element.

#### 3.1.4.97.1.2 BusinessDataCatalogSharedService\_ModelReadXml\_OutputMessage

The response WSDL message for the **ModelReadXml** WSDL operation.

The SOAP body contains the **ModelReadXmlResponse** element.

### 3.1.4.97.2 Elements

The following XML Schema element definitions are specific to this operation.

### 3.1.4.97.2.1 ModelReadXml

The input data for the **ModelReadXml** WSDL operation.

```
<xs:element name="ModelReadXml">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string"/>
      <xs:element xmlns:q88="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="packageContents" type="q88:PackageContents"/>
      <xs:element xmlns:q89="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="applicationRegistryStruct" type="q89:MetadataObjectStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="updateModel" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**xml:** The XML representation of the **MetadataModel** that conforms to [\[MS-BDCMFFS\]](#).

**packageContents:** Specifies what part of the **MetadataModel** are to be created. The protocol server MUST follow the following rules:

- If the "Properties" value is specified, the protocol server MUST create the specified Properties for the corresponding MetadataObjects. If the metadata store already contains a Property with the same name in the specified Setting for the **MetadataObject**, the Property in the metadata store MUST be replaced.
- If the "Properties" value is not specified, the protocol server MUST ignore Properties in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified, the protocol server MUST create the specified localized names for the corresponding **MetadataObjects**. If the metadata store already contains a localized name with the same LCID in the specified **Setting** for the **MetadataObject**, the localized name in the metadata store MUST be replaced.
- If the "LocalizedNames" value is not specified, the protocol server MUST ignore localized names in the specified **MetadataModel**.
- If the "Permissions" value is specified, the protocol server MUST delete access control entries in the metadata store for the corresponding **MetadataObjects** and create the specified access control entries for the corresponding **MetadataObjects**.
- If the "Permissions" value is not specified, the protocol server MUST ignore access control entries in the specified **MetadataModel**.

**applicationRegistryStruct:** The MetadataCatalog that contains the Model contained by the **MetadataModel**.

**callerCultureLcid:** Specifies the LCID corresponding to the locale in which the error messages are to be returned for. If the protocol server is capable of generating error messages in the specified locale, all error messages MUST be generated for the specified locale. Otherwise, protocol server MUST return errors in a locale determined with an implementation-specific algorithm.

**updateModel:** Specifies if the **Model** contained by the **MetadataModel** already exists in the metadata store. If the value of this element is **true**, the protocol server MUST remove all Entity



references from the **Model**. Then, the protocol server **MUST** create **Entity** references in the **Model** to all the **Entities** contained by the specified **MetadataModel**.

#### 3.1.4.97.2.2 ModelReadXmlResponse

The result data for the **ModelReadXml** WSDL operation.

```
<xs:element name="ModelReadXmlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q90="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="ModelReadXmlResult" type="q90:ModelStruct"/>
      <xs:element xmlns:q91="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="1" maxOccurs="1" name="errors" type="q91:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ModelReadXmlResult:** The Model from the metadata store that is corresponding to the specified MetadataModel.

**errors:** The list of implementation-specific error messages corresponding to the errors encountered during this operation as well as other implementation-specific informational messages related to the operation.

#### 3.1.4.97.3 Complex Types

None.

#### 3.1.4.97.4 Simple Types

None.

#### 3.1.4.97.5 Attributes

None.

#### 3.1.4.97.6 Groups

None.

#### 3.1.4.97.7 Attribute Groups

None.

#### 3.1.4.98 ReadSlicedXml

This operation is deprecated from the protocol and **MUST NOT** be called.

```
<wsdl:operation name="ReadSlicedXml">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXml"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_InputMessage"/>
```

```

    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlResponse"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_OutputMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_InvalidOperationExceptionFault_Fa
ultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentOutOfRangeExceptionFault_
FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentExceptionFault_FaultMessa
ge"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_MetadataExceptionStateFault_Fault
Message"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_BdcExceptionStateFault_FaultMessa
ge"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentNullExceptionFault_FaultM
essage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_PackageFormatExceptionStateFault_
FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_AccessDeniedExceptionFault_FaultM
essage"/>
</wsdl:operation>

```

### 3.1.4.98.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.98.1.1 BusinessDataCatalogSharedService\_ReadSlicedXml\_InputMessage

The request WSDL message for the **ReadSlicedXml** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Rea
dSlicedXml

```

The SOAP body contains the **ReadSlicedXml** element.

#### 3.1.4.98.1.2 BusinessDataCatalogSharedService\_ReadSlicedXml\_OutputMessage

The response WSDL message for the **ReadSlicedXml** WSDL operation.

The SOAP body contains the **ReadSlicedXmlResponse** element.

#### 3.1.4.98.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.98.2.1 ReadSlicedXml

The input data for the **ReadSlicedXml** WSDL operation.

```
<xs:element name="ReadSlicedXml">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string"/>
      <xs:element xmlns:q163="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="packageContents" type="q163:PackageContents"/>
      <xs:element xmlns:q164="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="parentStruct" type="q164:MetadataObjectStruct"/>
      <xs:element xmlns:q165="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="readStruct" type="q165:MetadataObjectStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**xml:**

**packageContents:**

**parentStruct:**

**readStruct:**

**callerCultureLcid:**

##### 3.1.4.98.2.2 ReadSlicedXmlResponse

The result data for the **ReadSlicedXml** WSDL operation.

```
<xs:element name="ReadSlicedXmlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q166="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="1" maxOccurs="1" name="errors" type="q166:ArrayOfstring"/>
      <xs:element xmlns:q167="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="readStruct" type="q167:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**errors:**

**readStruct:**

### 3.1.4.98.3 Complex Types

None.

### 3.1.4.98.4 Simple Types

None.

### 3.1.4.98.5 Attributes

None.

### 3.1.4.98.6 Groups

None.

### 3.1.4.98.7 Attribute Groups

None.

### 3.1.4.99 RemoveEntityFromModel

This operation is used to remove the reference to the specified Entity from the specified Model.

```
<wsdl:operation name="RemoveEntityFromModel">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveEntityFromModel"
    message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveEntityFromModelResponse"
    message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveEntityFromModelArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveEntityFromModelArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveEntityFromModelBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveEntityFromModelInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_InvalidOperationExceptionFault_FaultMessage"/>
</wsdl:operation>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_MetadataExceptionStateFau
lt_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentExceptionFault_Fa
ultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_RemoveEntityFromModel\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_RemoveEntityFromModel\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with at most one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to remove the reference from the specified Model to the specified Entity.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>Entity</b> is not referenced by the specified <b>Model</b> .

### 3.1.4.99.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.99.1.1

#### **BusinessDataCatalogSharedService\_RemoveEntityFromModel\_InputMessage**

The request WSDL message for the **RemoveEntityFromModel** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Rem
oveEntityFromModel

```

The SOAP body contains the **RemoveEntityFromModel** element.

#### 3.1.4.99.1.2

#### **BusinessDataCatalogSharedService\_RemoveEntityFromModel\_OutputMessage**

The response WSDL message for the **RemoveEntityFromModel** WSDL operation.

The SOAP body contains the **RemoveEntityFromModelResponse** element.

### 3.1.4.99.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.99.2.1 RemoveEntityFromModel

The input data for the **RemoveEntityFromModel** WSDL operation.

```
<xs:element name="RemoveEntityFromModel">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q85="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="modelStruct" type="q85:ModelStruct"/>
      <xs:element xmlns:q86="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="entityStruct" type="q86:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**modelStruct:** The Model.

**entityStruct:** The Entity.

#### 3.1.4.99.2.2 RemoveEntityFromModelResponse

The result data for the **RemoveEntityFromModel** WSDL operation.

```
<xs:element name="RemoveEntityFromModelResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.99.3 Complex Types

None.

### 3.1.4.99.4 Simple Types

None.

### 3.1.4.99.5 Attributes

None.

### 3.1.4.99.6 Groups

None.

### 3.1.4.99.7 Attribute Groups

None.

### 3.1.4.100 RemoveLocalizedName

This operation is used to remove the localized name with the specified LCID from the specified MetadataObject.

```
<wsdl:operation name="RemoveLocalizedName">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedName"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameResponse"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_MetadataExceptionStateFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_RemoveLocalizedName\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_RemoveLocalizedName\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client operates is not authorized to modify the specified <b>MetadataObject</b> in the specified <b>Setting</b> .
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>MetadataObject</b> does not exist or a localized name for the specified LCID does not exist in the specified <b>Setting</b> for the specified <b>MetadataObject</b> .

### 3.1.4.100.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.100.1.1

#### **BusinessDataCatalogSharedService\_RemoveLocalizedName\_InputMessage**

The request WSDL message for the **RemoveLocalizedName** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedName
```

The SOAP body contains the **RemoveLocalizedName** element.

#### 3.1.4.100.1.2

#### **BusinessDataCatalogSharedService\_RemoveLocalizedName\_OutputMessage**

The response WSDL message for the **RemoveLocalizedName** WSDL operation.

The SOAP body contains the **RemoveLocalizedNameResponse** element.

### 3.1.4.100.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.100.2.1 RemoveLocalizedName

The input data for the **RemoveLocalizedName** WSDL operation.

```
<xs:element name="RemoveLocalizedName">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q182="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q182:MetadataObjectStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="lcid" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```





```

edService/RemovePropertyBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_RemoveProperty_BdcExceptionStateFault_FaultMess
age"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemovePropertyArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveProperty_ArgumentExceptionFault_FaultMess
age"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemovePropertyArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveProperty_ArgumentOutOfRangeExceptionFault
_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemovePropertyInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveProperty_InvalidOperationExceptionFault_F
aultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemovePropertyMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_RemoveProperty_MetadataExceptionStateFault_Faul
tMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_RemoveProperty\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_RemoveProperty\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section 2.2.4.3)	The security principal (2) in whose context the protocol client operates is not authorized to modify the specified <b>MetadataObject</b> in the specified Setting.
<b>ArgumentException</b> (section 2.2.4.7)	The <b>name</b> element is empty or NULL.
<b>InvalidOperationException</b> (section 2.2.4.38)	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.101.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.101.1.1

#### **BusinessDataCatalogSharedService\_RemoveProperty\_InputMessage**

The request WSDL message for the **RemoveProperty** WSDL operation.

The SOAP action value is:

The SOAP body contains the **RemoveProperty** element.

#### 3.1.4.101.1.2

#### **BusinessDataCatalogSharedService\_RemoveProperty\_OutputMessage**

The response WSDL message for the **RemoveProperty** WSDL operation.

The SOAP body contains the **RemovePropertyResponse** element.

#### 3.1.4.101.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.101.2.1 RemoveProperty

The input data for the **RemoveProperty** WSDL operation.

```
<xs:element name="RemoveProperty">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q186="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q186:MetadataObjectStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject.

**name:** The name of the **Property** to be deleted.

**settingId:** The Setting from which to delete the **Property**.

##### 3.1.4.101.2.2 RemovePropertyResponse

The result data for the **RemoveProperty** WSDL operation.

```
<xs:element name="RemovePropertyResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

#### 3.1.4.101.3 Complex Types

None.

#### 3.1.4.101.4 Simple Types

None.

#### 3.1.4.101.5 Attributes

None.

#### 3.1.4.101.6 Groups

None.

#### 3.1.4.101.7 Attribute Groups

None.

#### 3.1.4.102 SaveLocalizedName

This operation is used to add or replace a localized name for the specified **MetadataObject**. If a localized name with the same LCID as the specified LCID already exists for the specified **MetadataObject**, the protocol server MUST replace the localized name of the specified **MetadataObject** with the specified localized name.

```
<wsdl:operation name="SaveLocalizedName">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveLocalizedName"
    message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveLocalizedNameResponse"
    message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveLocalizedNameArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveLocalizedNameBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveLocalizedNameInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveLocalizedNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveLocalizedNameArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentExceptionFault_FaultMessage"/>
</wsdl:operation>
```

```

<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveLocalizedNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentNullExceptionFault_Fa
ultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_SaveLocalizedName\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_SaveLocalizedName\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section 2.2.4.3)	The security principal (2) in whose context the protocol client operates is not authorized to modify the specified <b>MetadataObject</b> in the specified Setting.
<b>InvalidOperationException</b> (section 2.2.4.38)	The specified <b>MetadataObject</b> already contains the implementation-specific maximum number of localized names.
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.102.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.102.1.1

#### **BusinessDataCatalogSharedService\_SaveLocalizedName\_InputMessage**

The request WSDL message for the **SaveLocalizedName** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveLocalizedName

```

The SOAP body contains the **SaveLocalizedName** element.

#### 3.1.4.102.1.2

#### **BusinessDataCatalogSharedService\_SaveLocalizedName\_OutputMessage**

The response WSDL message for the **SaveLocalizedName** WSDL operation.

The SOAP body contains the **SaveLocalizedNameResponse** element.

### 3.1.4.102.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.102.2.1 SaveLocalizedName

The input data for the **SaveLocalizedName** WSDL operation.

```
<xs:element name="SaveLocalizedName">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q180="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q180:MetadataObjectStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="lcid" type="xs:unsignedInt"/>
      <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject.

**lcid:** The LCID of the localized name to be saved.

**name:** The localized name of the **MetadataObject**.

**settingId:** The Setting to write the localized name to.

#### 3.1.4.102.2.2 SaveLocalizedNameResponse

The result data for the **SaveLocalizedName** WSDL operation.

```
<xs:element name="SaveLocalizedNameResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.102.3 Complex Types

None.

### 3.1.4.102.4 Simple Types

None.

### 3.1.4.102.5 Attributes

None.

### 3.1.4.102.6 Groups

None.

### 3.1.4.102.7 Attribute Groups

None.

### 3.1.4.103 SaveProperty

This operation is used to add or replace a **Property** for the specified **MetadataObject**. If a **Property** with the same name as the specified **Property** already exists for the specified **MetadataObject**, the protocol server MUST replace the **Property** of the **MetadataObject** with the specified **Property**.

```
<wsdl:operation name="SaveProperty">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveProperty"
    message="tns:BusinessDataCatalogSharedService_SaveProperty_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SavePropertyResponse"
    message="tns:BusinessDataCatalogSharedService_SaveProperty_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SavePropertyArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_SaveProperty_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SavePropertyInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_SaveProperty_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SavePropertyArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_SaveProperty_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SavePropertyArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_SaveProperty_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SavePropertyMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_SaveProperty_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SavePropertyBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_SaveProperty_BdcExceptionStateFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_SaveProperty\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_SaveProperty\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section

[2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client operates is not authorized to modify the specified <b>MetadataObject</b> in the specified Setting.
<b>ExceededMetadataObjectLimitExceptionState</b> (section <a href="#">2.2.4.32</a> )	The specified <b>MetadataObject</b> already contains the implementation-specific maximum number of Properties.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.103.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.103.1.1 BusinessDataCatalogSharedService\_SaveProperty\_InputMessage

The request WSDL message for the **SaveProperty** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveProperty
```

The SOAP body contains the **SaveProperty** element.

#### 3.1.4.103.1.2 BusinessDataCatalogSharedService\_SaveProperty\_OutputMessage

The response WSDL message for the **SaveProperty** WSDL operation.

The SOAP body contains the **SavePropertyResponse** element.

### 3.1.4.103.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.103.2.1 SaveProperty

The input data for the **SaveProperty** WSDL operation.

```
<xs:element name="SaveProperty">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q183="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q183:MetadataObjectStruct"/>
      <xs:element xmlns:q184="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="propertyStruct" type="q184:PropertyStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



```
</xs:element>
```

**metadataObjectStruct:** The MetadataObject.

**propertyStruct:** The **Property** to be saved.

### 3.1.4.103.2.2 SavePropertyResponse

The result data for the **SaveProperty** WSDL operation.

```
<xs:element name="SavePropertyResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.103.3 Complex Types

None.

### 3.1.4.103.4 Simple Types

None.

### 3.1.4.103.5 Attributes

None.

### 3.1.4.103.6 Groups

None.

### 3.1.4.103.7 Attribute Groups

None.

### 3.1.4.104 SetAccessControlEntries

This operation is used to set an access control list to the specified MetadataObject. The protocol server **MUST** delete all access control entries of the specified **MetadataObject** for the specified Setting, and then adds the specified access control entries to the specified **MetadataObject**.

```
<wsdl:operation name="SetAccessControlEntries">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntries"
    message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesResponse"
    message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesInvalidOperationExceptionFault"
```

```

name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_InvalidOperationExcepti
onFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetAccessControlEntriesArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentExceptionFault_
FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetAccessControlEntriesArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentNullExceptionFa
ult_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetAccessControlEntriesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentOutOfRangeExceptionExcep
tionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetAccessControlEntriesMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_MetadataExceptionStateF
ault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetAccessControlEntriesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_BdcExceptionStateFault_
FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_SetAccessControlEntries\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_SetAccessControlEntries\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with at exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal in whose context the protocol client is operating is not authorized to set permissions on the specified <b>MetadataObject</b> .
<b>ArgumentOutOfRangeException</b> (section <a href="#">2.2.4.9</a> )	The MetadataObjectId for the specified <b>MetadataObject</b> is set to zero.
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	One of the following conditions applies: <ul style="list-style-type: none"> <li>At least one of the specified access control entries contains an invalid value for <b>principalName</b> element.</li> <li>The specified access control entries do not contain an access control entry with "SetPermissions" permission, or contain an access control entry that specify anonymous user to have</li> </ul>

Error complex type	Condition
	permissions other than "Execute".

### 3.1.4.104.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.104.1.1

#### **BusinessDataCatalogSharedService\_SetAccessControlEntries\_InputMessage**

The request WSDL message for the **SetAccessControlEntries** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntries
```

The SOAP body contains the **SetAccessControlEntries** element.

#### 3.1.4.104.1.2

#### **BusinessDataCatalogSharedService\_SetAccessControlEntries\_OutputMessage**

The response WSDL message for the **SetAccessControlEntries** WSDL operation.

The SOAP body contains the **SetAccessControlEntriesResponse** element.

### 3.1.4.104.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.104.2.1 SetAccessControlEntries

The input data for the **SetAccessControlEntries** WSDL operation.

```
<xs:element name="SetAccessControlEntries">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q189="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q189:MetadataObjectStruct"/>
      <xs:element xmlns:q190="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="accessControlEntries" type="q190:ArrayOfAccessControlEntryStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The **MetadataObject** MUST be of one of the following types:

- MetadataCatalog
- Model

- LobSystem
- Entity
- Method
- MethodInstance

**accessControlEntries:** The access control entries.

**settingId:** The Setting to write the access control entries to.

### 3.1.4.104.2.2 SetAccessControlEntriesResponse

The result data for the **SetAccessControlEntries** WSDL operation.

```
<xs:element name="SetAccessControlEntriesResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.104.3 Complex Types

None.

### 3.1.4.104.4 Simple Types

None.

### 3.1.4.104.5 Attributes

None.

### 3.1.4.104.6 Groups

None.

### 3.1.4.104.7 Attribute Groups

None.

### 3.1.4.105 SetDefaultActionForEntity

This operation is used to set the default Action for the specified Entity.

```
<wsdl:operation name="SetDefaultActionForEntity">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/SetDefaultActionForEntity"
    message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/SetDefaultActionForEntityResponse"
    message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_OutputMessage"/>
</wsdl:operation>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntityArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentOutOfRangeExceptionExc
eptionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_BdcExceptionStateFault
t_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntityInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_InvalidOperationExcep
tionFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntityMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_MetadataExceptionStat
eFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentExceptionFault
t_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntityArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentNullException
Fault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_SetDefaultActionForEntity\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_SetDefaultActionForEntity\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to modify the specified <b>Entity</b> .
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>Entity</b> does not exist or does not contain an <b>Action</b> with the specified name.

### 3.1.4.105.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.105.1.1

##### **BusinessDataCatalogSharedService\_SetDefaultActionForEntity\_InputMessage**

The request WSDL message for the **SetDefaultActionForEntity** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntity
```

The SOAP body contains the **SetDefaultActionForEntity** element.

#### 3.1.4.105.1.2

##### **BusinessDataCatalogSharedService\_SetDefaultActionForEntity\_OutputMessage**

The response WSDL message for the **SetDefaultActionForEntity** WSDL operation.

The SOAP body contains the **SetDefaultActionForEntityResponse** element.

#### 3.1.4.105.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.105.2.1 SetDefaultActionForEntity

The input data for the **SetDefaultActionForEntity** WSDL operation.

```
<xs:element name="SetDefaultActionForEntity">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q134="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="entityStruct" type="q134:EntityStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="actionName" type="xs:string"/>
      <xs:element xmlns:q135="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q135:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityStruct:** The Entity to which a default Action will be set.

**actionName:** The name of the Action to be set as default Action to the specified Entity.

**partitionId:** The empty GUID.

##### 3.1.4.105.2.2 SetDefaultActionForEntityResponse

The result data for the **SetDefaultActionForEntity** WSDL operation.

```
<xs:element name="SetDefaultActionForEntityResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```



```

name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentOutOf
RangeExceptionFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_BdcExceptionS
tateFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_InvalidOperat
ionExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_SetDefaultValuesForTypeDescriptor\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_SetDefaultValuesForTypeDescriptor\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to modify the Method containing the Parameter containing the specified <b>TypeDescriptor</b> .
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	The specified <b>DefaultValue</b> is invalid.
<b>ExceededMetadataObjectLimitExceptionState</b> (section <a href="#">2.2.4.32</a> )	The specified <b>TypeDescriptor</b> already contains the implementation-specific maximum number of <b>DefaultValues</b> .
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>TypeDescriptor</b> does not exist.

### 3.1.4.106.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.106.1.1

#### **BusinessDataCatalogSharedService\_SetDefaultValuesForTypeDescriptor\_InputMessage**

The request WSDL message for the **SetDefaultValuesForTypeDescriptor** WSDL operation.

The SOAP action value is:



<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultValuesForTypeDescriptor>

The SOAP body contains the **SetDefaultValuesForTypeDescriptor** element.

#### 3.1.4.106.1.2

### **BusinessDataCatalogSharedService\_SetDefaultValuesForTypeDescriptor\_Output Message**

The response WSDL message for the **SetDefaultValuesForTypeDescriptor** WSDL operation.

The SOAP body contains the **SetDefaultValuesForTypeDescriptorResponse** element.

#### 3.1.4.106.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.106.2.1 SetDefaultValuesForTypeDescriptor

The input data for the **SetDefaultValuesForTypeDescriptor** WSDL operation.

```
<xs:element name="SetDefaultValuesForTypeDescriptor">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q53="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="defaultValueStruct" type="q53:DefaultValueStruct"/>
      <xs:element xmlns:q54="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q54:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**defaultValueStruct:** The DefaultValue to be set for the specified TypeDescriptor .

**partitionId:** An empty GUID.

##### 3.1.4.106.2.2 SetDefaultValuesForTypeDescriptorResponse

The result data for the **SetDefaultValuesForTypeDescriptor** WSDL operation.

```
<xs:element name="SetDefaultValuesForTypeDescriptorResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

#### 3.1.4.106.3 Complex Types

None.

#### 3.1.4.106.4 Simple Types

None.

### 3.1.4.106.5 Attributes

None.

### 3.1.4.106.6 Groups

None.

### 3.1.4.106.7 Attribute Groups

None.

### 3.1.4.107 SetLobSystemDataByLobSystemId

This operation is deprecated from the protocol and MUST NOT be called.

```
<wsdl:operation name="SetLobSystemDataByLobSystemId">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemId"
    message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdResponse"
    message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_MetadataExceptionStateFault_FaultMessage"/>
</wsdl:operation>
```

### 3.1.4.107.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.107.1.1

##### **BusinessDataCatalogSharedService\_SetLobSystemDataByLobSystemId\_InputMessage**

The request WSDL message for the **SetLobSystemDataByLobSystemId** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemId
```

The SOAP body contains the **SetLobSystemDataByLobSystemId** element.

#### 3.1.4.107.1.2

##### **BusinessDataCatalogSharedService\_SetLobSystemDataByLobSystemId\_OutputMessage**

The response WSDL message for the **SetLobSystemDataByLobSystemId** WSDL operation.

The SOAP body contains the **SetLobSystemDataByLobSystemIdResponse** element.

### 3.1.4.107.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.107.2.1 SetLobSystemDataByLobSystemId

The input data for the **SetLobSystemDataByLobSystemId** WSDL operation.

```
<xs:element name="SetLobSystemDataByLobSystemId">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element
        xmlns:q97="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
        minOccurs="1" maxOccurs="1" name="proxyGenerationResult" type="q97:ProxyGenerationResult"/>
      <xs:element xmlns:q98="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="1" maxOccurs="1" name="partitionId" type="q98:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemId:**

**proxyGenerationResult:**

**partitionId:**

### 3.1.4.107.2.2 SetLobSystemDataByLobSystemIdResponse

The result data for the **SetLobSystemDataByLobSystemId** WSDL operation.

```
<xs:element name="SetLobSystemDataByLobSystemIdResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.107.3 Complex Types

None.

### 3.1.4.107.4 Simple Types

None.

### 3.1.4.107.5 Attributes

None.

### 3.1.4.107.6 Groups

None.

### 3.1.4.107.7 Attribute Groups

None.

### 3.1.4.108 TypeDescriptorCreate

This operation is used to create a TypeDescriptor in the metadata store.

```
<wsdl:operation name="TypeDescriptorCreate">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreate"
    message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateResponse"
    message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"/>
```

```

message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_BdcExceptionStateFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_TypeDescriptorCreate\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_TypeDescriptorCreate\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section 2.2.4.3)	The security principal (2) in whose context the protocol client is operating is not authorized to modify the Method containing the Parameter specified by <b>parameterStruct</b> element.
<b>ArgumentException</b> (section 2.2.4.7)	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>The <b>TypeDescriptor</b> specified by <b>rawValues</b> element and the <b>TypeDescriptor</b> specified by <b>parentTypeDescriptorStruct</b> element are contained by different <b>Parameters</b>.</li> <li>The data type referenced by the <b>typeName</b> element of the specified <b>TypeDescriptor</b> is invalid. This happens when the identifier of the data type is not in the correct format, or the protocol server cannot access or load the specified data type.</li> <li>The <b>TypeDescriptor</b> specified by <b>parentTypeDescriptorStruct</b> element is NULL and the <b>Parameter</b> has another root <b>TypeDescriptor</b>.</li> <li>The <b>TypeDescriptor</b> and the parent <b>TypeDescriptor</b> specified by <b>parentTypeDescriptorStruct</b> element have</li> </ul>

Error complex type	Condition
	<p>the <b>IsCollection</b> flag set.</p> <ul style="list-style-type: none"> <li>▪ The <b>TypeDescriptor</b> is associated with a <b>FilterDescriptor</b> and the <b>FilterDescriptor</b> is not contained by the Method that contains the <b>Parameter</b> specified by <b>parameterStruct</b> element.</li> <li>▪ The <b>TypeDescriptor</b> specified by <b>parentTypeDescriptorStruct</b> element has "IsCollection" flag set and already contains another <b>TypeDescriptor</b>.</li> <li>▪ The <b>TypeDescriptor</b> is has "read-only" flag set, and the Direction attribute of the <b>Parameter</b> is set to "In".</li> </ul>
<b>DuplicateMetadataObjectExceptionState</b> (section <a href="#">2.2.4.30</a> )	The <b>TypeDescriptor</b> specified by the <b>parentStruct</b> element already contains another <b>TypeDescriptor</b> that has the same name.
<b>ExceededMetadataObjectLimitExceptionState</b> (section <a href="#">2.2.4.32</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The <b>TypeDescriptor</b> specified by the <b>parentTypeDescriptorStruct</b> element already contains an implementation-specific maximum number of <b>TypeDescriptors</b>.</li> <li>▪ The metadata store already contains an implementation-specific maximum number of <b>TypeDescriptors</b> associated with the <b>FilterDescriptor</b> referenced by the specified <b>TypeDescriptor</b>.</li> </ul>
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	The <b>Parameter</b> specified by the <b>parameterStruct</b> element is contained by an active Entity.

### 3.1.4.108.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.108.1.1

#### **BusinessDataCatalogSharedService\_TypeDescriptorCreate\_InputMessage**

The request WSDL message for the **TypeDescriptorCreate** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreate
```

The SOAP body contains the **TypeDescriptorCreate** element.

### 3.1.4.108.1.2

#### **BusinessDataCatalogSharedService\_TypeDescriptorCreate\_OutputMessage**

The response WSDL message for the **TypeDescriptorCreate** WSDL operation.

The SOAP body contains the **TypeDescriptorCreateResponse** element.

### 3.1.4.108.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.108.2.1 TypeDescriptorCreate

The input data for the **TypeDescriptorCreate** WSDL operation.

```
<xs:element name="TypeDescriptorCreate">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q57="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="rawValues" type="q57:TypeDescriptorStruct"/>
      <xs:element xmlns:q58="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="parentTypeDescriptorStruct" nillable="true" type="q58:TypeDescriptorStruct"/>
      <xs:element xmlns:q59="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="parameterStruct" type="q59:ParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**rawValues:** The TypeDescriptor to create. The protocol client MUST specify values for all the elements in this complex type.

**parentTypeDescriptorStruct:** The **TypeDescriptor** that contains the **TypeDescriptor** to create. If the **TypeDescriptor** to be created is a root TypeDescriptor, then the value of this element MUST be NULL.

**parameterStruct:** The Parameter containing the created TypeDescriptor.

#### 3.1.4.108.2.2 TypeDescriptorCreateResponse

The result data for the **TypeDescriptorCreate** WSDL operation.

```
<xs:element name="TypeDescriptorCreateResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q60="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="TypeDescriptorCreateResult" type="q60:TypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**TypeDescriptorCreateResult:** The created TypeDescriptor.

### 3.1.4.108.3 Complex Types

None.

### 3.1.4.108.4 Simple Types

None.

### 3.1.4.108.5 Attributes

None.

### 3.1.4.108.6 Groups

None.

### 3.1.4.108.7 Attribute Groups

None.

### 3.1.4.109 TypeDescriptorMergeXml

This operation is used to merge the Properties and localized names contained by the TypeDescriptors in the specified MetadataModel into an existing **TypeDescriptor** in the metadata store. The **MetadataModel** MUST be specified as a Well-Formed External Parsed Entity according to [\[XML\]](#) section 4.3.2 and MUST have as a root element the **TypeDescriptor** element as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.24.

```
<wsdl:operation name="TypeDescriptorMergeXml">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXml"
    message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXmlResponse"
    message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXmlArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXmlArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXmlPackageFormatExceptionStateFault"
    name="PackageFormatExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_PackageFormatExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_BdcExceptionStateFault_FaultMessage"/>
```



```

<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_InvalidOperationExceptio
nFault_FaultMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_MetadataExceptionStateFa
ult_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_TypeDescriptorMergeXml\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_TypeDescriptorMergeXml\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section 2.2.4.3)	The security principal (2) in whose context the protocol client is operating is not authorized to edit the Method containing the specified Parameter.
<b>ArgumentException</b> (section 2.2.4.7)	The "Model" value is specified in the <b>packageContents</b> element.
<b>ExceededMetadataObjectLimitExceptionState</b> (section 2.2.4.32)	The specified <b>MetadataModel</b> contains one or more <b>TypeDescriptors</b> that already contain the implementation-specific maximum number of <b>Properties</b> and the <b>packageContents</b> element has "Properties" set in its value.
<b>InvalidOperationException</b> (section 2.2.4.38)	The specified <b>MetadataModel</b> specifies one or more <b>TypeDescriptors</b> that already contain the implementation-specific maximum number of localized names and the <b>packageContents</b> element has "LocalizedNames" in its value.
<b>MetadataObjectNotFoundExceptionState</b> (section 2.2.4.43)	One of the following conditions applies: <ul style="list-style-type: none"> <li>▪ The specified <b>Parameter</b> or the specified <b>TypeDescriptor</b> could not be found.</li> <li>▪ The specified <b>TypeDescriptor</b> could not be found.</li> </ul>
<b>PackageFormatExceptionState</b> (section 2.2.4.48)	The <b>TypeDescriptor</b> specified in the <b>MetadataModel</b> does not exist in the specified <b>TypeDescriptor</b> or the specified <b>Parameter</b> if a

Error complex type	Condition
	<b>TypeDescriptor</b> is not specified.

### 3.1.4.109.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.109.1.1

#### **BusinessDataCatalogSharedService\_TypeDescriptorMergeXml\_InputMessage**

The request WSDL message for the **TypeDescriptorMergeXml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXml
```

The SOAP body contains the **TypeDescriptorMergeXml** element.

#### 3.1.4.109.1.2

#### **BusinessDataCatalogSharedService\_TypeDescriptorMergeXml\_OutputMessage**

The response WSDL message for the **TypeDescriptorMergeXml** WSDL operation.

The SOAP body contains the **TypeDescriptorMergeXmlResponse** element.

### 3.1.4.109.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.109.2.1 TypeDescriptorMergeXml

The input data for the **TypeDescriptorMergeXml** WSDL operation.

```
<xs:element name="TypeDescriptorMergeXml">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string"/>
      <xs:element xmlns:q61="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="packageContents" type="q61:PackageContents"/>
      <xs:element xmlns:q62="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="parameterStruct" type="q62:ParameterStruct"/>
      <xs:element xmlns:q63="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="parentTypeDescriptorStruct" nillable="true" type="q63:TypeDescriptorStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**xml:** The XML representation of the TypeDescriptor that conforms to [\[MS-BDCMFFS\]](#) section 2.2.4.24.

**packgeContents:** Specifies the parts of the **TypeDescriptors** to be merged into the existing **TypeDescriptors**. The protocol server MUST follow the following rules:

- If the "Properties" value is specified, the protocol server MUST merge the **Properties** for the corresponding **TypeDescriptors** for the specified Setting. During this merge, if a **Property**, that has the same name as the **Property** specified in the MetadataModel already exists for the specified **TypeDescriptor**, then the protocol server MUST remove the already existing Property and then create a new **Property** that corresponds to the **Property** specified in the **MetadataModel**. If a **Property** with the specified name does not exist for the specified **TypeDescriptor**, then the protocol server MUST create a new **Property** that corresponds to the Property specified in the **MetadataModel**.
- If the "Properties" value is not specified, the protocol server MUST ignore **Properties** in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified, the protocol server MUST merge the localized names for the corresponding **TypeDescriptor** for the specified **Setting**. During this merge, if a localized name, that has the same LCID and **Setting** as the localized name specified by the **MetadataModel**, already exists for the specified **TypeDescriptor**, then the protocol server MUST remove the already existing localized name and then create a new localized name that corresponds to the localized name specified in the **MetadataModel**. If a localized name with the specified LCID and **Setting** does not exist for the specified **TypeDescriptor** then the protocol server MUST create a new localized name that corresponds to the localized name specified in the **MetadataModel**.
- If the "LocalizedNames" value is not specified, the protocol server MUST ignore localized names in the specified **MetadataModel**.

**parameterStruct:** The Parameter containing the **TypeDescriptor** that is updated.

**parentTypeDescriptorStruct:** The **TypeDescriptor** that contains the **TypeDescriptor** specified by the XML. This **TypeDescriptor** MUST be NULL if the **TypeDescriptor** specified by the XML is a root TypeDescriptor.

**settingId:** The **Setting** to merge the **Properties** and localized names. If the value is NULL, then protocol server MUST use the default **Setting** while performing the operation.

**callerCultureLcid:** This value MUST be ignored by the protocol server.

### 3.1.4.109.2.2 TypeDescriptorMergeXmlResponse

The result data for the **TypeDescriptorMergeXml** WSDL operation.

```
<xs:element name="TypeDescriptorMergeXmlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q64="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="TypeDescriptorMergeXmlResult" type="q64:TypeDescriptorStruct"/>
      <xs:element xmlns:q65="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="1" maxOccurs="1" name="errors" type="q65:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**TypeDescriptorMergeXmlResult:** The TypeDescriptor into which the Properties and localized names were merged.

**errors:** List of implementation-specific error messages that occurred while performing this operation.

### 3.1.4.109.3 Complex Types

None.

### 3.1.4.109.4 Simple Types

None.

### 3.1.4.109.5 Attributes

None.

### 3.1.4.109.6 Groups

None.

### 3.1.4.109.7 Attribute Groups

None.

### 3.1.4.110 TypeDescriptorReadXml

This operation is used to create the TypeDescriptors contained by the specified MetadataModel, along with their Properties and localized names, in the metadata store. The **MetadataModel** MUST be specified as a Well-Formed External Parsed Entity according to [\[XML\]](#) section 4.3.2 and MUST have as a root element the **TypeDescriptor** element as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.25.

```
<wsdl:operation name="TypeDescriptorReadXml">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXml"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlResponse"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_PackageFormatExceptionSta
teFault_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_MetadataExceptionStateFau
lt_FaultMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_BdcExceptionStateFault_Fa
ultMessage"/>
```

```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentExceptionFault_Fa
ultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentNullExceptionFaul
t_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentOutOfRangeExceptionExcepti
onFault_FaultMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_InvalidOperationExceptionException
Fault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_TypeDescriptorReadXml\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_TypeDescriptorReadXml\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section 2.2.4). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error Complex Type	Condition
<b>AccessDeniedExceptionState</b> (section 2.2.4.3)	The security principal (2) in whose context the protocol client is operating is not authorized to modify the Method containing the specified Parameter.
<b>ArgumentException</b> (section 2.2.4.7)	One of the following conditions applies: <ul style="list-style-type: none"> <li>The "Model" value is not specified in the <b>packageContents</b> element.</li> <li>The data type referenced by a <b>TypeDescriptor</b> contained by the <b>MetadataModel</b> is invalid. This happens when the identifier of the data type is not in the correct format, or the protocol server cannot access or load the specified data type.</li> <li>The <b>MetadataModel</b> contains a <b>TypeDescriptor</b> that has "IsCollection" flag set and contains another <b>TypeDescriptor</b> that has "IsCollection" flag set.</li> </ul>

Error Complex Type	Condition
	<ul style="list-style-type: none"> <li>▪ The specified <b>TypeDescriptor</b> has "IsCollection" flag set and the <b>TypeDescriptor</b> which correspond to the specified <b>MetadataModel</b> also has "IsCollection" flag set.</li> <li>▪ The specified <b>TypeDescriptor</b> has "IsCollection" flag set and already contains a <b>TypeDescriptor</b>.</li> <li>▪ The specified <b>TypeDescriptor</b> is NULL and the specified <b>Parameter</b> already has a root <b>TypeDescriptor</b>.</li> <li>▪ The specified <b>TypeDescriptor</b> is not contained by the specified <b>Parameter</b>.</li> <li>▪ The specified <b>MetadataModel</b> contains a <b>TypeDescriptor</b> that has "ReadOnly" flag set and the specified <b>Parameter</b> has direction "In".</li> </ul>
<b>DuplicateMetadataObjectExceptionState</b> (section <a href="#">2.2.4.30</a> )	The specified <b>TypeDescriptor</b> already contains another <b>TypeDescriptor</b> with the same name as the <b>TypeDescriptor</b> which corresponds to the <b>MetadataModel</b> .
<b>ExceededMetadataObjectLimitExceptionState</b> (section <a href="#">2.2.4.32</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The specified <b>MetadataModel</b> contains a <b>TypeDescriptor</b> that contains more <b>TypeDescriptors</b> than the implementation-specific maximum number of <b>TypeDescriptors</b>.</li> <li>▪ The specified <b>TypeDescriptor</b> contains implementation-specific maximum number of <b>TypeDescriptors</b>.</li> </ul>
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	The Entity containing the <b>Method</b> which contains the specified <b>Parameter</b> is active.
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>Parameter</b> or the specified <b>TypeDescriptor</b> does not exist.
<b>PackageFormatExceptionState</b> (section <a href="#">2.2.4.48</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The specified XML does not conform to the format specified in [MS-BDCMFFS].</li> <li>▪ The <b>Method</b> containing the specified <b>Parameter</b> does not contain the FilterDescriptor referenced by the specified <b>MetadataModel</b>.</li> </ul>

### 3.1.4.110.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.110.1.1

##### **BusinessDataCatalogSharedService\_TypeDescriptorReadXml\_InputMessage**

The request WSDL message for the **TypeDescriptorReadXml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorReadXml
```

The SOAP body contains the **TypeDescriptorReadXml** element.

#### 3.1.4.110.1.2

##### **BusinessDataCatalogSharedService\_TypeDescriptorReadXml\_OutputMessage**

The response WSDL message for the **TypeDescriptorReadXml** WSDL operation.

The SOAP body contains the **TypeDescriptorReadXmlResponse** element.

### 3.1.4.110.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.110.2.1 TypeDescriptorReadXml

The input data for the **TypeDescriptorReadXml** WSDL operation.

```
<xs:element name="TypeDescriptorReadXml">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string"/>
      <xs:element xmlns:q66="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="packageContents" type="q66:PackageContents"/>
      <xs:element xmlns:q67="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="parameterStruct" type="q67:ParameterStruct"/>
      <xs:element xmlns:q68="Microsoft.SharePoint.BusinessData" minOccurs="0" maxOccurs="1"
name="parentTypeDescriptorStruct" nillable="true" type="q68:TypeDescriptorStruct"/>
      <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**xml:** The XML representation of the MetadataModel that conforms to [\[MS-BDCMFFS\]](#) section 2.1.4.25.

**packageContents:** Specifies what parts of the **MetadataModel** are to be created. The protocol server MUST follow the following rules:

- If the "Properties" value is specified, the protocol server MUST create the specified Properties for the corresponding MetadataObjects.

- If the "Properties" value is not specified, the protocol server MUST ignore **Properties** in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified, the protocol server MUST create the specified localized names for the corresponding **MetadataObjects**.
- If the "LocalizedNames" value is not specified, the protocol server MUST ignore localized names in the specified **MetadataModel**.

**parameterStruct:** The Parameter in which to create the TypeDescriptors contained by the **MetadataModel**.

**parentTypeDescriptorStruct:** The **TypeDescriptor** in which to create the **TypeDescriptors** contained by the **MetadataModel**. This value of this element MUST be NULL if the **MetadataModel** contains the root TypeDescriptor of the **Parameter**.

**callerCultureLcid:** This value MUST be ignored.

### 3.1.4.110.2.2 TypeDescriptorReadXmlResponse

The result data for the **TypeDescriptorReadXml** WSDL operation.

```
<xs:element name="TypeDescriptorReadXmlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q69="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="TypeDescriptorReadXmlResult" type="q69:TypeDescriptorStruct"/>
      <xs:element xmlns:q70="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="1" maxOccurs="1" name="errors" type="q70:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**TypeDescriptorReadXmlResult:** The TypeDescriptor from the metadata store that is corresponding to the specified MetadataModel.

**errors:** The list of implementation-specific error messages corresponding to the errors encountered during this operation as well as other implementation-specific informational messages related to the operation.

### 3.1.4.110.3 Complex Types

None.

### 3.1.4.110.4 Simple Types

None.

### 3.1.4.110.5 Attributes

None.

### 3.1.4.110.6 Groups

None.



### 3.1.4.110.7 Attribute Groups

None.

### 3.1.4.111 Update

This operation is used to update a `MetadataObject` in the metadata store.

```
<wsdl:operation name="Update">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Update" message="tns:BusinessDataCatalogSharedService_Update_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateResponse"
    message="tns:BusinessDataCatalogSharedService_Update_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="tns:BusinessDataCatalogSharedService_Update_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_Update_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_Update_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_Update_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_Update_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="tns:BusinessDataCatalogSharedService_Update_ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_Update\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_Update\_OutputMessage** response message, unless any one of the conditions in the following table is met.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in **Complex Types** (section [2.2.4](#)). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<b>AccessDeniedExceptionState</b> (section <a href="#">2.2.4.3</a> )	The security principal (2) in whose context the protocol client is operating is not authorized to modify the specified <b>MetadataObject</b> .
<b>ArgumentException</b> (section <a href="#">2.2.4.7</a> )	One of the following conditions applies: <ul style="list-style-type: none"> <li>▪ The specified <b>MetadataObject</b> name is NULL or empty.</li> <li>▪ The length of the specified <b>MetadataObject</b> name exceeds 255 characters.</li> </ul>
<b>ConcurrentModificationExceptionState</b> (section <a href="#">2.2.4.27</a> )	The specified <b>MetadataObject</b> has been updated by a context other than the one that it has been currently read by. This happens when the specified object version is not equal to the current object version of the <b>MetadataObject</b> . For example, this error can be triggered when one context reads the given <b>MetadataObject</b> , after which another context updates the same <b>MetadataObject</b> , and then the original context tries to update the same <b>MetadataObject</b> .
<b>DuplicateMetadataObjectExceptionState</b> (section <a href="#">2.2.4.30</a> )	The parent <b>MetadataObject</b> contains another <b>MetadataObject</b> with the same <b>MetadataObject</b> name.
<b>ExceededMetadataObjectLimitExceptionState</b> (section <a href="#">2.2.4.32</a> )	One of the following conditions applies: <ul style="list-style-type: none"> <li>▪ The parent of the specified <b>MetadataObject</b> already contains the implementation-specific maximum number of <b>MetadataObjects</b> of the same type as the specified <b>MetadataObject</b>.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>MethodInstance</b> and one of the following conditions holds true: <ul style="list-style-type: none"> <li>▪ The type of the specified <b>MethodInstance</b> is <b>IdEnumerator</b> and the <b>DataClass</b> that contains the specified <b>MethodInstance</b> already contains another <b>MethodInstance</b> which has the type <b>IdEnumerator</b>.</li> <li>▪ The type of the specified <b>MethodInstance</b> is <b>AccessChecker</b> and the <b>DataClass</b> that contains the specified <b>MethodInstance</b> already contains another <b>MethodInstance</b> which has the type <b>AccessChecker</b>.</li> <li>▪ The type of the specified <b>MethodInstance</b> is <b>Deleter</b> and the <b>DataClass</b> that contains the specified <b>MethodInstance</b> already contains another <b>MethodInstance</b> which has the type <b>Deleter</b>.</li> </ul> </li> <li>▪ The type of the specified <b>MethodInstance</b> is <b>ChangedIdEnumerator</b> and the <b>DataClass</b> that contains the specified <b>MethodInstance</b> already</li> </ul>

Error complex type	Condition
	<p>contains another <b>MethodInstance</b> which has the type <b>ChangedIdEnumerator</b>.</p> <ul style="list-style-type: none"> <li>▪ The type of the specified <b>MethodInstance</b> is <b>DeletedIdEnumerator</b> and the <b>DataClass</b> that contains the specified <b>MethodInstance</b> already contains another <b>MethodInstance</b> which has the type <b>DeletedIdEnumerator</b>.</li> <li>▪ The type of the specified <b>MethodInstance</b> is <b>BulkIdEnumerator</b> and the <b>DataClass</b> that contains the specified <b>MethodInstance</b> already contains another <b>MethodInstance</b> which has the type <b>BulkIdEnumerator</b>.<a href="#">&lt;89&gt;</a></li> </ul>
<b>InvalidMetadataObjectExceptionState</b> (section <a href="#">2.2.4.36</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The specified <b>MetadataObject</b> is a root <b>TypeDescriptor</b>, and it is being updated to be part of a <b>Parameter</b> which already has a root <b>TypeDescriptor</b>.</li> <li>▪ The specified <b>MetadataObject</b> is an <b>Association</b> or a <b>MethodInstance</b> and the <b>Parameter</b> of the specified <b>ReturnPropertyDescriptor</b> is not contained by the same <b>Method</b> as the specified <b>Association</b> or <b>MethodInstance</b>.</li> <li>▪ The specified <b>MetadataObject</b> is an <b>Association</b> or a <b>MethodInstance</b> and the specified type for the <b>MethodInstance</b> requires a <b>Parameter</b> with <b>Direction</b> "In" or "InOut" to be present on the <b>Method</b> containing the specified <b>Association</b> or <b>MethodInstance</b>.</li> <li>▪ The specified <b>MetadataObject</b> is an <b>Association</b> or a <b>MethodInstance</b> and the <b>Parameter</b> containing the specified <b>ReturnPropertyDescriptor</b> has the <b>Direction</b> attribute specified as "In".</li> <li>▪ The specified <b>MetadataObject</b> is an <b>Association</b> or a <b>MethodInstance</b> and the <b>ReturnPropertyDescriptor</b> is required for the specified type for the <b>MethodInstance</b>, however it is passed in as NULL or 0.</li> <li>▪ The specified <b>MetadataObject</b> is an <b>Association</b> or a <b>MethodInstance</b> and the <b>ReturnPropertyDescriptor</b> is required to have the "IsCollection" flag set for the specified type for the <b>MethodInstance</b>.</li> <li>▪ The specified <b>MetadataObject</b> is an <b>Association</b> or a <b>MethodInstance</b> and the <b>ReturnPropertyDescriptor</b> is required to have the "IsCollection" flag not set for the specified type for the <b>MethodInstance</b>.</li> </ul>

Error complex type	Condition
	<ul style="list-style-type: none"> <li>▪ The specified <b>MetadataObject</b> is an <b>Association</b> or a <b>MethodInstance</b> and the <b>ReturnTypeDescriptor</b> is required to not contain any <b>TypeDescriptors</b> for the specified type for the <b>MethodInstance</b>.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>MethodInstance</b> and the <b>TypeDescriptor</b> that contains the <b>ReturnTypeDescriptor</b> is required not to contain any other <b>TypeDescriptors</b> for the specified type for the <b>MethodInstance</b> and the type for the LobSystem containing the Entity containing the specified <b>MethodInstance</b>.</li> <li>▪ The specified <b>MetadataObject</b> is an <b>Entity</b> and the specified <b>CacheUsage</b>, <b>MajorVersion</b>, <b>MinorVersion</b>, <b>BuildVersion</b>, or <b>RevisionVersion</b> is invalid.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>Parameter</b> and the specified Direction is invalid.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>MethodInstance</b> and the specified type is invalid.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>TypeDescriptor</b> and the specified flags are invalid.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>Parameter</b> and the <b>Method</b> that contains the specified <b>Parameter</b> already contains another <b>Parameter</b> with <b>Direction</b> "Return".</li> <li>▪ The specified <b>MetadataObject</b> is a <b>TypeDescriptor</b> and the <b>Parameter</b> containing the specified <b>TypeDescriptor</b> has value "In" for the <b>Direction</b> attribute, but the specified <b>TypeDescriptor</b> has the "Read-Only" flag set for its <b>TypeDescriptorFlags</b> attribute.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>Parameter</b> and the specified <b>Parameter</b> is not allowed to have value "In" for the <b>Direction</b> attribute because one of the <b>TypeDescriptors</b> contained by the specified <b>Parameter</b> has the "Read-Only" flag set for its <b>TypeDescriptorFlags</b> attribute.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>Parameter</b> and the specified <b>Parameter</b> is not allowed to have the value "In" for the Direction attribute because the specified <b>Parameter</b> contains a <b>ReturnTypeDescriptor</b> of a <b>MethodInstance</b>.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>TypeDescriptor</b>, which has its <b>Parameter</b> is being changed to the specified <b>Parameter</b>, and the specified <b>Parameter</b> already has a root</li> </ul>

Error complex type	Condition
	<p><b>TypeDescriptor.</b></p> <ul style="list-style-type: none"> <li>▪ The specified <b>MetadataObject</b> is a <b>TypeDescriptor</b> and the "IsCollection" flag cannot be set on a <b>TypeDescriptor</b> if its containing <b>TypeDescriptor</b> also has "IsCollection" flag set.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>TypeDescriptor</b> and a <b>TypeDescriptor</b> with the "IsCollection" flag set can only contain one <b>TypeDescriptor</b>.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>TypeDescriptor</b> and the FilterDescriptor associated with the specified <b>TypeDescriptor</b> is not defined on the <b>Method</b> which contains the <b>Parameter</b> containing the specified <b>TypeDescriptor</b>.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>TypeDescriptor</b> and the <b>Parameter</b> containing the containing <b>TypeDescriptor</b> is different from the <b>Parameter</b> containing the specified <b>TypeDescriptor</b>.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>TypeDescriptor</b> and the <b>Parameter</b> containing the specified <b>TypeDescriptor</b> has a <b>TypeDescriptor</b> hierarchy deeper than an implementation-specific maximum allowed depth.</li> <li>▪ The specified <b>MetadataObject</b> is a <b>TypeDescriptor</b> and the "ReadOnly" flag cannot be set as the <b>Parameter</b> of the specified <b>TypeDescriptor</b> has the <b>Direction</b> attribute specified as "In".</li> </ul>
<b>InvalidOperationException</b> (section <a href="#">2.2.4.38</a> )	<p>One of the following conditions applies:</p> <ul style="list-style-type: none"> <li>▪ The operation cannot be performed because the specified <b>MetadataObject</b> is an <b>Association</b> or a <b>MethodInstance</b> contained by an active <b>Entity</b>.</li> <li>▪ The operation cannot be performed because the specified <b>MetadataObject</b> is an <b>Entity</b>, which has its name or namespace being updated, and another <b>Entity</b> with the specified name and namespace is currently being referenced by other <b>MetadataObjects</b>.</li> <li>▪ The operation cannot be performed because the specified <b>MetadataObject</b> is the <b>FilterDescriptor</b> and one of the following two cases occurs: <ul style="list-style-type: none"> <li>▪ The <b>Method</b> associated with the specified</li> </ul> </li> </ul>

Error complex type	Condition
	<p><b>FilterDescriptor</b> already contains another <b>FilterDescriptor</b> of type <b>TimeStampFilter</b> and the specified <b>FilterDescriptor</b> is updated to be a <b>FilterDescriptor</b> of type <b>TimeStampFilter</b>.</p> <ul style="list-style-type: none"> <li>The <b>Method</b> that contains the specified <b>FilterDescriptor</b> also contains a <b>MethodInstance</b> of type <b>ChangedIdEnumerator</b> or a <b>DeletedIdEnumerator</b>, and the type of the <b>FilterDescriptor</b> is changed from <b>TimeStampFilter</b> to another type.</li> </ul>
<b>MetadataObjectNotFoundExceptionState</b> (section <a href="#">2.2.4.43</a> )	The specified <b>MetadataObject</b> does not exist.

Upon successful operation, the protocol server MUST increment the object version of any **MetadataObjects** that it updated. If the incremented object version of the **MetadataObject** is greater than or equal to an implementation-specific maximum value, the protocol server MUST set the object version of the updated **MetadataObjects** to 0.

If the **metadataObjectStruct** element specifies any of the **MetadataObjects** in the following table, the protocol server MUST perform the corresponding actions, in addition to updating the specified **MetadataObject** in the metadata store:

MetadataObject	Action
<b>Parameter</b>	<p>If the <b>ordinalNumber</b> attribute of the specified <b>Parameter</b> is the same as the <b>ordinalNumber</b> attribute of another <b>Parameter</b> contained by the <b>Method</b> containing the specified <b>Parameter</b>, the <b>ordinalNumber</b> attribute of <b>Parameters</b> contained by that <b>Method</b> that have the <b>ordinalNumber</b> attribute greater than or equal to the <b>ordinalNumber</b> attribute of the specified <b>Parameter</b> MUST be incremented.</p> <p>After the operation completes, all <b>Parameters</b> contained by the <b>Method</b> containing the specified <b>Parameter</b> MUST have <b>ordinalNumber</b> attributes in the range from zero to <math>n-1</math>, where <math>n</math> is the number of <b>Parameters</b> contained by that <b>Method</b>. <b>Parameters</b> not contained by the <b>Method</b>, which contains the specified <b>Parameter</b>, MUST NOT have their <b>ordinalNumber</b> attributes altered.</p>
<b>MethodInstance</b>	<p>When the <b>isDefault</b> attribute of the specified <b>MethodInstance</b> is set to 1, the protocol server MUST set the <b>isDefault</b> attribute of all other <b>MethodInstances</b> that have the same value for the <b>MethodInstanceType</b> attribute within the containing <b>DataClass</b> to 0. When the <b>isDefault</b> attribute of the specified <b>MethodInstance</b> is set to 0 (and it was previously set to 1), the protocol server MUST set the <b>isDefault</b> attribute of a <b>MethodInstance</b> with the same value for <b>MethodInstanceType</b> within the containing <b>DataClass</b> to 1. The protocol server MUST decide which <b>MethodInstance</b> to alter based on an implementation-specific algorithm.</p>

### 3.1.4.111.1 Messages

The following WSDL message definitions are specific to this operation.

### 3.1.4.111.1.1 BusinessDataCatalogSharedService\_Update\_InputMessage

The request WSDL message for the **Update** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Update
```

The SOAP body contains the **Update** element.

### 3.1.4.111.1.2 BusinessDataCatalogSharedService\_Update\_OutputMessage

The response WSDL message for the **Update** WSDL operation.

The SOAP body contains the **UpdateResponse** element.

### 3.1.4.111.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.111.2.1 Update

The input data for the **Update** WSDL operation.

```
<xs:element name="Update">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q194="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q194:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject to update. The MetadataObjectId of the specified **MetadataObject** MUST be used to identify the **MetadataObject** to update. The remaining values of the specified **MetadataObject** MUST be used to update the values associated with the identified **MetadataObject** in the metadata store.

#### 3.1.4.111.2.2 UpdateResponse

The result data for the **Update** WSDL operation.

```
<xs:element name="UpdateResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q195="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="UpdateResult" type="q195:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**UpdateResult:** The updated MetadataObject.

### 3.1.4.111.3 Complex Types

None.

### 3.1.4.111.4 Simple Types

None.

### 3.1.4.111.5 Attributes

None.

### 3.1.4.111.6 Groups

None.

### 3.1.4.111.7 Attribute Groups

None.

### 3.1.4.112 WriteSlicedXml

This operation is deprecated from the protocol and MUST NOT [<90>](#) be called.

```
<wsdl:operation name="WriteSlicedXml">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXml"
    message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlResponse"
    message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlPackageFormatExceptionStateFault"
    name="PackageFormatExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_PackageFormatExceptionStateFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlArgumentExceptionFault" name="ArgumentExceptionFault"
    message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
    message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_AccessDeniedExceptionFault_FaultMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_MetadataExceptionStateFault_FaultMessage"/>
</wsdl:operation>
```



```

    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_BdcExceptionStateFault_FaultMess
age"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentNullExceptionFault_Fault
Message"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_InvalidOperationExceptionFault_F
aultMessage"/>
</wsdl:operation>

```

### 3.1.4.112.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.112.1.1 BusinessDataCatalogSharedService\_WriteSlicedXml\_InputMessage

The request WSDL message for the **WriteSlicedXml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Wri
teSlicedXml
```

The SOAP body contains the **WriteSlicedXml** element.

#### 3.1.4.112.1.2 BusinessDataCatalogSharedService\_WriteSlicedXml\_OutputMessage

The response WSDL message for the **WriteSlicedXml** WSDL operation.

The SOAP body contains the **WriteSlicedXmlResponse** element.

### 3.1.4.112.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.112.2.1 WriteSlicedXml

The input data for the **WriteSlicedXml** WSDL operation.

```

<xs:element name="WriteSlicedXml">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q168="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="metadataObjectStruct" type="q168:MetadataObjectStruct"/>
      <xs:element xmlns:q169="Microsoft.SharePoint.BusinessData" minOccurs="1" maxOccurs="1"
name="packageContents" type="q169:PackageContents"/>
    </xs:sequence>
  </xs:complexType>

```

```
</xs:element>
```

**metadataObjectStruct:**

**packageContents:**

### **3.1.4.112.2 WriteSlicedXmlResponse**

The result data for the **WriteSlicedXml** WSDL operation.

```
<xs:element name="WriteSlicedXmlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="WriteSlicedXmlResult" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**WriteSlicedXmlResult:**

### **3.1.4.112.3 Complex Types**

None.

### **3.1.4.112.4 Simple Types**

None.

### **3.1.4.112.5 Attributes**

None.

### **3.1.4.112.6 Groups**

None.

### **3.1.4.112.7 Attribute Groups**

None.

## **3.1.5 Timer Events**

None.

## **3.1.6 Other Local Events**

None.

## 4 Protocol Examples

The following examples describe the process of communication between the protocol server and protocol client. In conjunction with the protocol specification in this document, this information is intended to provide a comprehensive view on how the protocol client operates with the protocol server when executing such an operation.

The examples in this section manipulate the **LobSystem** and **Entity** objects. However, the principals illustrated apply equally to other **MetadataObjects**.

### 4.1 Creating an LobSystem

This example illustrates how a user can create an **LobSystem** in the metadata store.

The following actions are carried out:

1. The user requests the protocol client to create an **LobSystem** with the name "ExampleCRM".
2. The protocol client calls the **MetadataObjectCreate** method as shown in the following sample code segment:

```
// Assumes a Service Reference to the Business Data Catalog shared service has been
created

// Instantiate the Business Data Catalog SharedService client
BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();

// /***** Any implementation-specific impersonation logic goes here *****/

// Instantiate the AdministrationMetadataCatalogStruct
BDCServiceReference.AdministrationMetadataCatalogStruct myBDC = new
BDCServiceReference.AdministrationMetadataCatalogStruct();
myBDC.id = 1;

Guid myPartition = new Guid("00000000-0000-0000-0000-000000000000");
myBDC.partitionId = myPartition;

// Instantiate the LobSystem object
BDCServiceReference.LobSystemStruct myLob = new BDCServiceReference.LobSystemStruct();

// Setup the LobSystem object
myLob.partitionId = myPartition;
myLob.name = "ExampleCRM";
myLob.systemType = BDCServiceReference.SystemType.Database;

// call the MetadataObjectCreate method to create the LobSystem.
myClient.MetadataObjectCreate(myLob, myBDC);
```

#### Request body

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <MetadataObjectCreate xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <rawValues i:type="a:LobSystemStruct" xmlns:a="Microsoft.SharePoint.BusinessData"
        xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
```

```

        <a:id>0</a:id>
        <a:isCached>false</a:isCached>
        <a:name>ExampleCRM</a:name>
        <a:objectVersion>0</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:systemType>Database</a:systemType>
    </rawValues>
    <parentStruct i:type="a:AdministrationMetadataCatalogStruct"
xmlns:a="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-
instance">
        <a:id>1</a:id>
        <a:isCached>false</a:isCached>
        <a:name i:nil="true"/>
        <a:objectVersion>0</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
    </parentStruct>
</MetadataObjectCreate>
</s:Body>
</s:Envelope>

```

## Response body

```

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <MetadataObjectCreateResponse
xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <MetadataObjectCreateResult i:type="a:LobSystemStruct"
xmlns:a="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-
instance">
        <a:id>122</a:id>
        <a:isCached>false</a:isCached>
        <a:name>ExampleCRM</a:name>
        <a:objectVersion>0</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:systemType>Database</a:systemType>
      </MetadataObjectCreateResult>
    </MetadataObjectCreateResponse>
  </s:Body>
</s:Envelope>

```

## 4.2 Setting the Security Information of a MetadataObject

This example illustrates how a user can set Security Information of a LobSystem.

This example assumes that the preceding example has been successfully executed.

The following actions are carried out:

1. The user requests the protocol client to set access control entries on the **LobSystem** with the name "ExampleCRM".
2. The protocol client calls the **SetAccessControlEntries** method as shown in the following sample code segment:

```

//This method shows how to set the ACL entries on an entity
BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient;

```

```

BDCServiceReference.LobSystemStruct myLob;
BDCServiceReference.AccessControlEntryStruct[] myACLs;
BDCServiceReference.AccessControlEntryStruct myACL;

//Instantiate the BDCSharedServiceClient
myClient = new BDCServiceReference.BusinessDataCatalogSharedServiceClient();

// ***** Any implementation-specific impersonation logic goes here *****/

//First get the metadataobject with the name
myLob = new BDCServiceReference.LobSystemStruct();
Guid myPartition = new Guid("00000000-0000-0000-0000-000000000000");
myLob = myClient.GetLobSystemByName("ExampleCRM", myPartition);

//setup the ACL object
myACL = new ConsoleApplication1.BDCServiceReference.AccessControlEntryStruct();
myACL.rights = 23;
myACL.principalName = "Domain\\UserName";
myACL.principalDisplayName = "UserName";

myACLs = new ConsoleApplication1.BDCServiceReference.AccessControlEntryStruct[] {
myACL };

// set the ACL on the metadataobject by calling the SetAccessControlEntries method
myClient.SetAccessControlEntries(myLob, myACLs, null);

```

## Request body

```

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <SetAccessControlEntries
      xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <metadataObjectStruct i:type="a:LobSystemStruct"
        xmlns:a="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-
        instance">
        <a:id>122</a:id>
        <a:isCached>false</a:isCached>
        <a:name>ExampleCRM</a:name>
        <a:objectVersion>0</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:systemType>Database</a:systemType>
      </metadataObjectStruct>
      <accessControlEntries xmlns:a="Microsoft.SharePoint.BusinessData"
        xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:AccessControlEntryStruct>
          <a:principalBinaryForm i:nil="true"/>
          <a:principalDisplayName>UserName</a:principalDisplayName>
          <a:principalName>Domain\UserName</a:principalName>
          <a:rights>23</a:rights>
        </a:AccessControlEntryStruct>
        </accessControlEntries>
      <settingId i:nil="true" xmlns:i="http://www.w3.org/2001/XMLSchema-instance"/>
    </SetAccessControlEntries>
  </s:Body>
</s:Envelope>

```

## Response body

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <SetAccessControlEntriesResponse
      xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog"/>
    </s:Body>
  </s:Envelope>
```

### 4.3 Reading the Security Information of a MetadataObject

This example illustrates how a user can read the access control entries (ACEs) of a LobSystem.

This example assumes that the preceding examples have been successfully executed.

The following actions are carried out:

1. The user requests the protocol client to read ACEs for the **LobSystem** identified by name "ExampleCRM".
2. The protocol client calls the **GetAccessControlEntries** method as shown in the following code segment:

```
//This method shows how to set the ACL entries on an entity
BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient;
BDCServiceReference.LobSystemStruct myLob;
BDCServiceReference.AccessControlEntryStruct[] myACLs;

//Instantiate the BDCSharedServiceClient
myClient = new BDCServiceReference.BusinessDataCatalogSharedServiceClient();
// /***** Any implementation-specific impersonation logic goes here *****/
Guid myPartition = new Guid("00000000-0000-0000-0000-000000000000");

//First get the metadataobject with the name
myLob = new BDCServiceReference.LobSystemStruct();
myLob = myClient.GetLobSystemByName("ExampleCRM", myPartition);

//Read the ACL entries on the entity
myACLs = myClient.GetAccessControlEntries(myLob, null, true);
```

#### Request body

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetAccessControlEntries
      xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <metadataObjectStruct i:type="a:LobSystemStruct"
        xmlns:a="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:id>122</a:id>
        <a:isCached>>false</a:isCached>
        <a:name>ExampleCRM</a:name>
        <a:objectVersion>0</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:systemType>Database</a:systemType>
      </metadataObjectStruct>
      <settingId i:nil="true" xmlns:i="http://www.w3.org/2001/XMLSchema-instance"/>
      <fallback>true</fallback>
    </GetAccessControlEntries>
  </s:Body>
</s:Envelope>
```

```

    </GetAccessControlEntries>
  </s:Body>
</s:Envelope>

```

## Response body

```

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetAccessControlEntriesResponse
      xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <GetAccessControlEntriesResult xmlns:a="Microsoft.SharePoint.BusinessData"
        xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:AccessControlEntryStruct>
          <a:principalBinaryForm i:nil="true"/>
          <a:principalDisplayName>UserName</a:principalDisplayName>
          <a:principalName>Domain\UserName</a:principalName>
          <a:rights>23</a:rights>
        </a:AccessControlEntryStruct>
      </GetAccessControlEntriesResult>
    </GetAccessControlEntriesResponse>
  </s:Body>
</s:Envelope>

```

## 4.4 Creating an Entity

This example illustrates how a user can create an Entity in the metadata store.

The example assumes that:

- A LobSystem that will contain the **Entity** is already created in the metadata store.
- The **LobSystem** is identified by the name "ExampleCRM".
- The **PartitionId** used while creating the **LobSystem** is "00000000-0000-0000-0000-000000000000".
- The **LobSystem** has an access control entry (ACE) associated with it.

The following actions are carried out:

1. The user requests the protocol client to create an **Entity** with the name "Customer", the namespace "example.com", and an estimated instance count of 100.
2. The protocol client calls the **EntityCreate** method as shown in the following code segment:

```

BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();

// /***** Any implementation-specific impersonation logic goes here *****/

Guid myPartition = new Guid("00000000-0000-0000-0000-000000000000");

//Get LOB system first as it is needed for creating the entity.
BDCServiceReference.LobSystemStruct myLob = new BDCServiceReference.LobSystemStruct();
myLob = myClient.GetLobSystemByName("ExampleCRM", myPartition);

```

```

//Instantiate entity object
BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct();

//set properties
myEntity.name = "Customer";
myEntity.@namespace = "example.com";
myEntity.isCached = true;
myEntity.objectVersion = 0;
System.Version ver = new Version(1,0,0,0);
myEntity.version = ver;
myEntity.partitionId = myPartition;
myEntity.estimatedInstanceCount = 100;

//create entity
myClient.EntityCreate(myEntity,myLob,null);

```

3. The protocol server creates the **Entity** in the metadata store.

4. The protocol server copies the ACE of the **LobSystem** and associates it with the newly created **Entity**.

### Request body

```

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <EntityCreate xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <rawValues xmlns:a="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:id>0</a:id>
        <a:isCached>true</a:isCached>
        <a:name>Customer</a:name>
        <a:objectVersion>0</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:active>>false</a:active>
        <a:lobSystemId>122</a:lobSystemId>
        <a:modelId>0</a:modelId>
        <a:namespace>example.com</a:namespace>
        <a:version xmlns:b="http://schemas.datacontract.org/2004/07/System">
          <b:_Build>0</b:_Build>
          <b:_Major>1</b:_Major>
          <b:_Minor>0</b:_Minor>
          <b:_Revision>0</b:_Revision>
        </a:version>
        <a:cacheUsage>Default</a:cacheUsage>
        <a:description i:nil="true"/>
        <a:estimatedInstanceCount>100</a:estimatedInstanceCount>
      </rawValues>
      <lobSystemStruct xmlns:a="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:id>122</a:id>
        <a:isCached>>false</a:isCached>
        <a:name>ExampleCRM</a:name>
        <a:objectVersion>0</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:systemType>Database</a:systemType>
      </lobSystemStruct>
      <modelStruct i:nil="true" xmlns:a="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"/>
    </EntityCreate>
  </s:Body>
</s:Envelope>

```



```

    </EntityCreate>
  </s:Body>
</s:Envelope>

```

## Response body

```

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <EntityCreateResponse xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <EntityCreateResult xmlns:a="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:id>135</a:id>
        <a:isCached>true</a:isCached>
        <a:name>Customer</a:name>
        <a:objectVersion>0</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:active>false</a:active>
        <a:lobSystemId>122</a:lobSystemId>
        <a:modelId>0</a:modelId>
        <a:namespace>example.com</a:namespace>
        <a:version xmlns:b="http://schemas.datacontract.org/2004/07/System">
          <b:_Build>0</b:_Build>
          <b:_Major>1</b:_Major>
          <b:_Minor>0</b:_Minor>
          <b:_Revision>0</b:_Revision>
        </a:version>
        <a:cacheUsage>Default</a:cacheUsage>
        <a:description i:nil="true"/>
        <a:estimatedInstanceCount>100</a:estimatedInstanceCount>
      </EntityCreateResult>
    </EntityCreateResponse>
  </s:Body>
</s:Envelope>

```

## 4.5 Activating an Entity

This example illustrates how a user can set a version of an Entity to be active in the metadata store.

This example assumes that:

- The preceding examples have been successfully executed.
- After successfully creating the "Customer" **Entity**, the user has added some other MetadataObjects to; an Identifier, Method, and so on.

The following actions are carried out:

1. The user requests the protocol client to activate **Entity** with the name "Customer", the namespace "example.com", and the **PartitionId** "00000000-0000-0000-0000-000000000000".
2. The protocol client calls the **Activate** method as shown in the following code segment:

```

BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();
// /***** Any implementation-specific impersonation logic goes here *****/
BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct();

```

```

System.Version ver = new Version(1,0,0,0);

myEntity = myClient.GetEntityWithNameAndNamespaceAndVersion("example.com", "Customer",
ver, partition);

BDCServiceReference.EntityStruct activeent = myClient.Activate(myEntity);

```

3. The protocol server checks whether the **Entity** exists in the metadata store.
4. If it exists, the protocol server marks the **Entity** as active. All references to the **Entity** being activated are bound correctly.

### Request body

```

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <Activate xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <entityStruct xmlns:a="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:id>135</a:id>
        <a:isCached>true</a:isCached>
        <a:name>Customer</a:name>
        <a:objectVersion>0</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:active>false</a:active>
        <a:lobSystemId>122</a:lobSystemId>
        <a:modelId>0</a:modelId>
        <a:namespace>example.com</a:namespace>
        <a:version xmlns:b="http://schemas.datacontract.org/2004/07/System">
          <b:_Build>0</b:_Build>
          <b:_Major>1</b:_Major>
          <b:_Minor>0</b:_Minor>
          <b:_Revision>0</b:_Revision>
        </a:version>
        <a:cacheUsage>Default</a:cacheUsage>
        <a:description i:nil="true"/>
        <a:estimatedInstanceCount>100</a:estimatedInstanceCount>
      </entityStruct>
    </Activate>
  </s:Body>
</s:Envelope>

```

### Response body

```

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <ActivateResponse xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <ActivateResult xmlns:a="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:id>135</a:id>
        <a:isCached>true</a:isCached>
        <a:name>Customer</a:name>
        <a:objectVersion>1</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:active>true</a:active>
        <a:lobSystemId>122</a:lobSystemId>
        <a:modelId>0</a:modelId>
      </ActivateResult>
    </ActivateResponse>
  </s:Body>
</s:Envelope>

```

```

    <a:namespace>example.com</a:namespace>
    <a:version xmlns:b="http://schemas.datacontract.org/2004/07/System">
      <b:_Build>0</b:_Build>
      <b:_Major>1</b:_Major>
      <b:_Minor>0</b:_Minor>
      <b:_Revision>0</b:_Revision>
    </a:version>
    <a:cacheUsage>Default</a:cacheUsage>
    <a:description i:nil="true"/>
    <a:estimatedInstanceCount>100</a:estimatedInstanceCount>
  </ActivateResult>
</ActivateResponse>
</s:Body>
</s:Envelope>

```

## 4.6 Reading an Entity

This example shows how a user can read an Entity in the metadata store.

The example assumes that the preceding example has been successfully executed.

The following actions are carried out:

1. The user requests the protocol client to read an **Entity** with the name "Customer" and the namespace "example.com" from the metadata store.
2. The protocol client calls the **GetEntityWithNameAndNamespace** method as shown in the following code segment:

```

BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();
// /***** Any implementation-specific impersonation logic goes here *****/
BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct();
Guid myPartition = new Guid("00000000-0000-0000-0000-000000000000");

myEntity = myClient.GetEntityWithNameAndNamespace("example.com", "Customer",
myPartition);

```

3. The protocol server checks whether the **Entity** exists in the metadata store.
4. If it exists, the protocol server retrieves the attributes of the stored **Entity**.
5. The protocol server returns an **Entity** object to the protocol client.

### Request body

```

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetEntityWithNameAndNamespace
      xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <namespace>example.com</namespace>
      <name>Customer</name>
      <partitionId>00000000-0000-0000-0000-000000000000</partitionId>
    </GetEntityWithNameAndNamespace>
  </s:Body>
</s:Envelope>

```

```
</s:Envelope>
```

## Response body

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetEntityWithNameAndNamespaceResponse
      xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <GetEntityWithNameAndNamespaceResult xmlns:a="Microsoft.SharePoint.BusinessData"
        xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:id>135</a:id>
        <a:isCached>true</a:isCached>
        <a:name>Customer</a:name>
        <a:objectVersion>1</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:active>true</a:active>
        <a:lobSystemId>122</a:lobSystemId>
        <a:modelId>0</a:modelId>
        <a:namespace>example.com</a:namespace>
        <a:version xmlns:b="http://schemas.datacontract.org/2004/07/System">
          <b:_Build>0</b:_Build>
          <b:_Major>1</b:_Major>
          <b:_Minor>0</b:_Minor>
          <b:_Revision>0</b:_Revision>
        </a:version>
        <a:cacheUsage>Default</a:cacheUsage>
        <a:description i:nil="true"/>
        <a:estimatedInstanceCount>100</a:estimatedInstanceCount>
      </GetEntityWithNameAndNamespaceResult>
    </GetEntityWithNameAndNamespaceResponse>
  </s:Body>
</s:Envelope>
```

## 4.7 Creating Properties for MetadataObjects

This example shows how a user can create Properties for an Entity in the metadata store. The concepts can be applied to any other MetadataObject.

The example assumes that the preceding examples have been successfully executed.

The following actions are carried out:

1. The user requests the protocol client to create a Property for the **Entity** with the name "Customer" and the namespace "example.com".
2. To add a custom property called "CustomerAlternateName", the protocol client calls the **SaveProperty** method as shown in the following code segment:

```
BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();
// /***** Any implementation-specific impersonation logic goes here *****/
BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct();
BDCServiceReference.PropertyStruct myProperty = new
BDCServiceReference.PropertyStruct();
System.Version ver = new Version(1,0,0,0);
Guid myPartition = new Guid("00000000-0000-0000-0000-000000000000");
```

```
//Get the entity object using the name and namespace
myEntity = myClient.GetEntityWithNameAndNamespace("example.com", "Customer",
myPartition);

//Setup the Property object
myProperty.name = "CustomerAlternateName";
myProperty.typeName = "System.String";
myProperty.settingId = null;

//Add the custom propety to the entity object
myClient.SaveProperty(myEntity, myProperty);
```

## Request body

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <SaveProperty xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <metadataObjectStruct i:type="a:EntityStruct"
xmlns:a="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-
instance">
        <a:id>135</a:id>
        <a:isCached>true</a:isCached>
        <a:name>Customer</a:name>
        <a:objectVersion>1</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:active>true</a:active>
        <a:lobSystemId>122</a:lobSystemId>
        <a:modelId>0</a:modelId>
        <a:namespace>example.com</a:namespace>
        <a:version xmlns:b="http://schemas.datacontract.org/2004/07/System">
          <b:_Build>0</b:_Build>
          <b:_Major>1</b:_Major>
          <b:_Minor>0</b:_Minor>
          <b:_Revision>0</b:_Revision>
        </a:version>
        <a:cacheUsage>Default</a:cacheUsage>
        <a:description i:nil="true"/>
        <a:estimatedInstanceCount>100</a:estimatedInstanceCount>
      </metadataObjectStruct>
      <propertyStruct xmlns:a="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:needsTypeReflectionResolution>false</a:needsTypeReflectionResolution>
        <a:wcfMarshallableValue i:nil="true"/>
        <a:wcfMarshallableValueAssemblyQualifiedTypeName i:nil="true"/>
        <a:wcfMarshallableValueTypeTypeName i:nil="true"/>
        <a:metadataObjectId>0</a:metadataObjectId>
        <a:name>CustomerAltName</a:name>
        <a:settingId i:nil="true"/>
        <a:typeName>System.String</a:typeName>
      </propertyStruct>
    </SaveProperty>
  </s:Body>
</s:Envelope>
```

## Response body

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <SavePropertyResponse xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog"/>
  </s:Body>
</s:Envelope>
```

## 4.8 Adding Localized Names for Metadata Objects

This example shows how a user can add a localized name for an Entity in the metadata store. The concepts can be applied to any other Metadata Object.

The example assumes that the preceding examples have been successfully executed and that the user wants to create the localized name for LCID 2058.

The following actions are carried out:

1. The user requests the protocol client to create the localized name for the **Entity** with the name "Customer" and the namespace "example.com".
2. The protocol client calls the **SaveLocalizedName** method as shown in the following code segment:

```
BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();
// /***** Any implementation-specific impersonation logic goes here *****/
BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct();

System.Version ver = new Version(1,0,0,0);
Guid myPartition = new Guid("00000000-0000-0000-0000-000000000000");

myEntity = myClient.GetEntityWithNameAndNamespace("example.com", "Customer",
myPartition);

myClient.SaveLocalizedName(myEntity, 2058, "Cliente", null);
```

3. The protocol server checks whether an Entity with name "Customer" and namespace "example.com" exists in the Metadata store.
4. If it exists, the protocol server creates the localized name for LCID 2058 and sets its value to "Cliente".

### Request body

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <SaveLocalizedName xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <metadataObjectStruct i:type="a:EntityStruct"
xmlns:a="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-
instance">
        <a:id>135</a:id>
        <a:isCached>true</a:isCached>
        <a:name>Customer</a:name>
        <a:objectVersion>1</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:active>true</a:active>
        <a:lobSystemId>122</a:lobSystemId>
      </metadataObjectStruct>
    </SaveLocalizedName>
  </s:Body>
</s:Envelope>
```

```

    <a:modelId>0</a:modelId>
    <a:namespace>example.com</a:namespace>
    <a:version xmlns:b="http://schemas.datacontract.org/2004/07/System">
      <b:_Build>0</b:_Build>
      <b:_Major>1</b:_Major>
      <b:_Minor>0</b:_Minor>
      <b:_Revision>0</b:_Revision>
    </a:version>
    <a:cacheUsage>Default</a:cacheUsage>
    <a:description i:nil="true"/>
    <a:estimatedInstanceCount>100</a:estimatedInstanceCount>
  </metadataObjectStruct>
  <lcid>2058</lcid>
  <name>Cliente</name>
  <settingId i:nil="true" xmlns:i="http://www.w3.org/2001/XMLSchema-instance"/>
</SaveLocalizedName>
</s:Body>
</s:Envelope>

```

## Response body

```

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <SaveLocalizedNameResponse
      xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog"/>
  </s:Body>
</s:Envelope>

```

## 4.9 Updating an Entity

This example illustrates how a user can update an Entity in the metadata store.

The example assumes that the preceding example has been successfully executed.

The following actions are carried out:

1. The user requests the protocol client to update **Entity** with the name "Customer" and the namespace "example.com" and change its name from "Customer" to "Buyer".
2. The protocol client calls the **Update** method as shown in the following code segment:

```

BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();
// /***** Any implementation-specific impersonation logic goes here *****/

BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct();

System.Version ver = new Version(1,1,0,0);
Guid myPartition = new Guid("00000000-0000-0000-0000-000000000000");

myEntity = myClient.GetEntityWithNameAndNamespace("example.com", "Customer",
myPartition);

// Set the name property to "Buyer"
myEntity.name = "Buyer";

```

```
// Call update method.
myClient.Update(myEntity);
```

3. The protocol server checks if the **Entity** exists in the metadata store.

4. If it exists, the protocol server updates all the name attribute of the **Entity** with the supplied value.

### Request body

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <Update xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <metadataObjectStruct i:type="a:EntityStruct"
xmlns:a="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-
instance">
        <a:id>135</a:id>
        <a:isCached>true</a:isCached>
        <a:name>Buyer</a:name>
        <a:objectVersion>2</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:active>true</a:active>
        <a:lobSystemId>122</a:lobSystemId>
        <a:modelId>0</a:modelId>
        <a:namespace>example.com</a:namespace>
        <a:version xmlns:b="http://schemas.datacontract.org/2004/07/System">
          <b:_Build>0</b:_Build>
          <b:_Major>1</b:_Major>
          <b:_Minor>0</b:_Minor>
          <b:_Revision>0</b:_Revision>
        </a:version>
        <a:cacheUsage>Default</a:cacheUsage>
        <a:description i:nil="true"/>
        <a:estimatedInstanceCount>100</a:estimatedInstanceCount>
      </metadataObjectStruct>
    </Update>
  </s:Body>
</s:Envelope>
```

### Response body

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <UpdateResponse xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <UpdateResult i:type="a:EntityStruct" xmlns:a="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:id>135</a:id>
        <a:isCached>true</a:isCached>
        <a:name>Buyer</a:name>
        <a:objectVersion>3</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
        <a:active>true</a:active>
        <a:lobSystemId>122</a:lobSystemId>
        <a:modelId>0</a:modelId>
        <a:namespace>example.com</a:namespace>
      </UpdateResult>
    </UpdateResponse>
  </s:Body>
</s:Envelope>
```



```

    <a:version xmlns:b="http://schemas.datacontract.org/2004/07/System">
      <b:_Build>0</b:_Build>
      <b:_Major>1</b:_Major>
      <b:_Minor>0</b:_Minor>
      <b:_Revision>0</b:_Revision>
    </a:version>
    <a:cacheUsage>Default</a:cacheUsage>
    <a:description i:nil="true"/>
    <a:estimatedInstanceCount>100</a:estimatedInstanceCount>
  </UpdateResult>
</UpdateResponse>
</s:Body>
</s:Envelope>

```

## 4.10 Deleting an Entity

This example illustrates how a user can delete an Entity in the metadata store.

The example assumes that the preceding example has been successfully executed.

The following actions are carried out:

1. The user requests the protocol client to delete **Entity** with the name "Buyer" and the namespace "example.com".
2. The protocol client calls the **Delete** method as shown in the following code segment:

```

BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();
// /***** Any implementation-specific impersonation logic goes here *****/
BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct();
System.Version ver = new Version(1, 1);

Guid myPartition = new Guid("00000000-0000-0000-0000-000000000000");

myEntity = myClient.GetEntityWithNameAndNamespace("example.com", "Buyer",
myPartition);
myClient.Delete(myEntity);

```

3. The protocol server checks if the Entity exists in the Metadata store.

4. If it exists, the protocol server deletes the Entity from the Metadata store.

### Request body

```

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <Delete xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <metadataObjectStruct i:type="a:EntityStruct"
xmlns:a="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-
instance">
        <a:id>135</a:id>
        <a:isCached>true</a:isCached>
        <a:name>Buyer</a:name>
        <a:objectVersion>3</a:objectVersion>
        <a:partitionId>00000000-0000-0000-0000-000000000000</a:partitionId>
      </metadataObjectStruct>
    </Delete>
  </s:Body>
</s:Envelope>

```

```

    <a:active>true</a:active>
    <a:lobSystemId>122</a:lobSystemId>
    <a:modelId>0</a:modelId>
    <a:namespace>example.com</a:namespace>
    <a:version xmlns:b="http://schemas.datacontract.org/2004/07/System">
      <b:_Build>0</b:_Build>
      <b:_Major>1</b:_Major>
      <b:_Minor>0</b:_Minor>
      <b:_Revision>0</b:_Revision>
    </a:version>
    <a:cacheUsage>Default</a:cacheUsage>
    <a:description i:nil="true"/>
    <a:estimatedInstanceCount>100</a:estimatedInstanceCount>
  </metadataObjectStruct>
</Delete>
</s:Body>
</s:Envelope>

```

## Response body

```

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <DeleteResponse xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog"/>
  </s:Body>
</s:Envelope>

```

## **5 Security**

### **5.1 Security Considerations for Implementers**

None.

### **5.2 Index of Security Parameters**

None

## 6 Appendix A: Full WSDL

For ease of implementation, the full WSDL is provided below:

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"
xmlns:tns="http://www.microsoft.com/Office/2009/BusinessDataCatalog"
name="IBdcServiceApplication"
targetNamespace="http://www.microsoft.com/Office/2009/BusinessDataCatalog"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <xs:schema elementFormDefault="qualified"
targetNamespace="http://www.microsoft.com/Office/2009/BusinessDataCatalog"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
      <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
      <xs:import namespace="Microsoft.SharePoint.BusinessData" />
      <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel" />
      <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
      <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime" />
      <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.Administ
ration.Client.Constants" />
      <xs:import namespace="http://schemas.datacontract.org/2004/07/System" />
      <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure" />
      <xs:element name="GetAssociationReferencesForAssociationGroup">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="associationGroupId"
type="xs:unsignedInt" />
            <xs:element xmlns:q1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q1:guid" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetAssociationReferencesForAssociationGroupResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q2="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetAssociationReferencesForAssociationGroupResult"
type="q2:ArrayOfAssociationReferenceStruct" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="AddAssociationReferenceToAssociationGroup">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q3="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="associationGroupStruct" type="q3:AssociationGroupStruct" />
            <xs:element xmlns:q4="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="associationReferenceStruct" type="q4:AssociationReferenceStruct" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="AddAssociationReferenceToAssociationGroupResponse">
        <xs:complexType>
          <xs:sequence>
```

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        <xs:element xmlns:q5="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="AddAssociationReferenceToAssociationGroupResult"
type="q5:AssociationGroupStruct" />
        <xs:element xmlns:q6="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="associationReferenceStruct" type="q6:AssociationReferenceStruct" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="DeleteAssociationReferenceFromAssociationGroup">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q7="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="associationReferenceStruct" type="q7:AssociationReferenceStruct" />
            <xs:element xmlns:q8="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q8:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteAssociationReferenceFromAssociationGroupResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="GetXmlSchemaForView">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q9="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="methodInstanceStruct" type="q9:MethodInstanceStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetXmlSchemaForViewResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetXmlSchemaForViewResult"
nillable="true" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetIdentifierById">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="identifierId" type="xs:unsignedInt"
/>
            <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
            <xs:element xmlns:q10="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q10:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetIdentifierByIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q11="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetIdentifierByIdResult" nillable="true" type="q11:IdentifierStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetIdentifiersForEntity">

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    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt" />
        <xs:element xmlns:q12="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q12:guid" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetIdentifiersForEntityResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q13="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetIdentifiersForEntityResult" type="q13:ArrayOfIdentifierStruct" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetMethodById">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="methodId" type="xs:unsignedInt" />
        <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
        <xs:element xmlns:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q14:guid" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetMethodByIdResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q15="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetMethodByIdResult" nillable="true" type="q15:MethodStruct" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetMethodsForDataClass">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="dataClassId" type="xs:unsignedInt"
/>
        <xs:element xmlns:q16="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q16:guid" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetMethodsForDataClassResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q17="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetMethodsForDataClassResult" type="q17:ArrayOfMethodStruct" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="IsMethodInstantiated">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="methodId" type="xs:unsignedInt" />
        <xs:element xmlns:q18="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q18:guid" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>

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        </xs:complexType>
      </xs:element>
      <xs:element name="IsMethodInstantiatedResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="IsMethodInstantiatedResult"
type="xs:boolean" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetFilterDescriptorById">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="filterDescriptorId"
type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
            <xs:element xmlns:q19="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q19:guid" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetFilterDescriptorByIdResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q20="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetFilterDescriptorByIdResult" nillable="true"
type="q20:FilterDescriptorStruct" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetFilterDescriptorsForMethod">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="methodId" type="xs:unsignedInt" />
            <xs:element xmlns:q21="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q21:guid" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetFilterDescriptorsForMethodResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q22="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetFilterDescriptorsForMethodResult"
type="q22:ArrayOfFilterDescriptorStruct" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetMethodInstanceById">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="methodInstanceId"
type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
            <xs:element xmlns:q23="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q23:guid" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>

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        </xs:element>
        <xs:element name="GetMethodInstanceByIdResponse">
            <xs:complexType>
                <xs:sequence>
                    <xs:element xmlns:q24="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetMethodInstanceByIdResult" nillable="true"
type="q24:MethodInstanceStruct" />
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element name="GetMethodInstancesForDataClass">
            <xs:complexType>
                <xs:sequence>
                    <xs:element minOccurs="1" maxOccurs="1" name="dataClassId" type="xs:unsignedInt"
/>
                    <xs:element xmlns:q25="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q25:guid" />
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element name="GetMethodInstancesForDataClassResponse">
            <xs:complexType>
                <xs:sequence>
                    <xs:element xmlns:q26="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetMethodInstancesForDataClassResult"
type="q26:ArrayOfMethodInstanceStruct" />
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element name="GetMethodInstancesForMethod">
            <xs:complexType>
                <xs:sequence>
                    <xs:element minOccurs="1" maxOccurs="1" name="methodId" type="xs:unsignedInt" />
                    <xs:element xmlns:q27="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q27:guid" />
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element name="GetMethodInstancesForMethodResponse">
            <xs:complexType>
                <xs:sequence>
                    <xs:element xmlns:q28="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetMethodInstancesForMethodResult" type="q28:ArrayOfMethodInstanceStruct"
/>
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element name="CheckPathInMethodInstances">
            <xs:complexType>
                <xs:sequence>
                    <xs:element minOccurs="1" maxOccurs="1" name="dataClassId" type="xs:unsignedInt"
/>
                    <xs:element minOccurs="1" maxOccurs="1" name="dottedPath" type="xs:string" />
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element xmlns:q29="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
minOccurs="1" maxOccurs="1" name="type" type="q29:MethodInstanceType" />
        <xs:element xmlns:q30="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q30:guid" />
    </xs:sequence>
</xs:complexType>

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</xs:element>
<xs:element name="CheckPathInMethodInstancesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="CheckPathInMethodInstancesResult"
type="xs:boolean" />
      <xs:element minOccurs="1" maxOccurs="1" name="methodInstanceId"
type="xs:unsignedInt" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetParameterById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="parameterId" type="xs:unsignedInt"
/>
      <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
      <xs:element xmlns:q31="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q31:guid" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetParameterByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q32="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetParameterByIdResult" nillable="true" type="q32:ParameterStruct" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetParametersForMethod">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="methodId" type="xs:unsignedInt" />
      <xs:element xmlns:q33="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q33:guid" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetParametersForMethodResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q34="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetParametersForMethodResult" type="q34:ArrayOfParameterStruct" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="IsParameterReferencedByMethodInstance">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="parameterId" type="xs:unsignedInt"
/>
      <xs:element xmlns:q35="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q35:guid" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="IsParameterReferencedByMethodInstanceResponse">
  <xs:complexType>

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        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1"
name="IsParameterReferencedByMethodInstanceResult" type="xs:boolean" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetTypeReflectorTypeNameForParameter">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q36="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="parameterStruct" type="q36:ParameterStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetTypeReflectorTypeNameForParameterResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1"
name="GetTypeReflectorTypeNameForParameterResult" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q37="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="typeDescriptorStruct" type="q37:TypeDescriptorStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q38="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResult"
type="q38:ArrayOfTypeDescriptorStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetFieldTypeDescriptorsByMethodInstance">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="methodName"
type="xs:string" />
            <xs:element xmlns:q39="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="entityStruct" type="q39:EntityStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetFieldTypeDescriptorsByMethodInstanceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q40="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetFieldTypeDescriptorsByMethodInstanceResult"
type="q40:ArrayOfTypeDescriptorStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetTypeDescriptorById">
    <xs:complexType>

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        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="typeDescriptorId"
type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
            <xs:element xmlns:q41="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q41:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetTypeDescriptorByIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q42="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetTypeDescriptorByIdResult" nillable="true"
type="q42:TypeDescriptorStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetRootTypeDescriptorForParameter">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="parameterId" type="xs:unsignedInt"
/>
            <xs:element xmlns:q43="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q43:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetRootTypeDescriptorForParameterResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q44="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetRootTypeDescriptorForParameterResult" type="q44:TypeDescriptorStruct"
/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetTypeDescriptorsByNameAndLevelForParameter">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="parameterId" type="xs:unsignedInt"
/>
            <xs:element minOccurs="1" maxOccurs="1" name="level" type="xs:int" />
            <xs:element xmlns:q45="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q45:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetTypeDescriptorsByNameAndLevelForParameterResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q46="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetTypeDescriptorsByNameAndLevelForParameterResult"
type="q46:ArrayOfTypeDescriptorStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetChildTypeDescriptorsForTypeDescriptor">

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        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="parentTypeDescriptorId"
type="xs:unsignedInt" />
            <xs:element xmlns:q47="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q47:guid" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetChildTypeDescriptorsForTypeDescriptorResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q48="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetChildTypeDescriptorsForTypeDescriptorResult"
type="q48:ArrayOfTypeDescriptorStruct" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetTypeDescriptorsForFilterDescriptor">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="filterDescriptorId"
type="xs:unsignedInt" />
            <xs:element xmlns:q49="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q49:guid" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetTypeDescriptorsForFilterDescriptorResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q50="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetTypeDescriptorsForFilterDescriptorResult"
type="q50:ArrayOfTypeDescriptorStruct" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetDefaultValuesForTypeDescriptor">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="typeDescriptorId"
type="xs:unsignedInt" />
            <xs:element xmlns:q51="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q51:guid" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetDefaultValuesForTypeDescriptorResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q52="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetDefaultValuesForTypeDescriptorResult"
type="q52:ArrayOfDefaultValueStruct" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="SetDefaultValuesForTypeDescriptor">
        <xs:complexType>
          <xs:sequence>

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        <xs:element xmlns:q53="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="defaultValueStruct" type="q53:DefaultValueStruct" />
        <xs:element xmlns:q54="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q54:guid" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="SetDefaultValuesForTypeDescriptorResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="DeleteDefaultValueForTypeDescriptor">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="typeDescriptorId"
type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="methodInstanceId"
type="xs:unsignedInt" />
            <xs:element xmlns:q55="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q55:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteDefaultValueForTypeDescriptorResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="GetLevelForTypeDescriptor">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q56="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="typeDescriptorStruct" type="q56:TypeDescriptorStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetLevelForTypeDescriptorResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="GetLevelForTypeDescriptorResult"
type="xs:unsignedInt" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="TypeDescriptorCreate">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q57="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="rawValues" type="q57:TypeDescriptorStruct" />
            <xs:element xmlns:q58="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="parentTypeDescriptorStruct" nillable="true"
type="q58:TypeDescriptorStruct" />
            <xs:element xmlns:q59="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="parameterStruct" type="q59:ParameterStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="TypeDescriptorCreateResponse">
    <xs:complexType>

```

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        <xs:sequence>
          <xs:element xmlns:q60="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="TypeDescriptorCreateResult" type="q60:TypeDescriptorStruct" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="TypeDescriptorMergeXml">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string" />
          <xs:element xmlns:q61="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="packageContents" type="q61:PackageContents" />
          <xs:element xmlns:q62="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="parameterStruct" type="q62:ParameterStruct" />
          <xs:element xmlns:q63="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="parentTypeDescriptorStruct" nillable="true"
type="q63:TypeDescriptorStruct" />
          <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
          <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="TypeDescriptorMergeXmlResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q64="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="TypeDescriptorMergeXmlResult" type="q64:TypeDescriptorStruct" />
          <xs:element xmlns:q65="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="1" maxOccurs="1" name="errors" type="q65:ArrayOfstring" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="TypeDescriptorReadXml">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string" />
          <xs:element xmlns:q66="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="packageContents" type="q66:PackageContents" />
          <xs:element xmlns:q67="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="parameterStruct" type="q67:ParameterStruct" />
          <xs:element xmlns:q68="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="parentTypeDescriptorStruct" nillable="true"
type="q68:TypeDescriptorStruct" />
          <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="TypeDescriptorReadXmlResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q69="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="TypeDescriptorReadXmlResult" type="q69:TypeDescriptorStruct" />
          <xs:element xmlns:q70="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="1" maxOccurs="1" name="errors" type="q70:ArrayOfstring" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetAssociationById">
      <xs:complexType>

```

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        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="associationId"
type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
            <xs:element xmlns:q71="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q71:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationByIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q72="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetAssociationByIdResult" nillable="true" type="q72:AssociationStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationsForEntityAndRole">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="role" type="xs:unsignedByte" />
            <xs:element minOccurs="1" maxOccurs="1" name="activeOnly" type="xs:boolean" />
            <xs:element xmlns:q73="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q73:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationsForEntityAndRoleResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q74="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetAssociationsForEntityAndRoleResult"
type="q74:ArrayOfAssociationStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationsForDataClass">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="dataClassId" type="xs:unsignedInt"
/>
            <xs:element xmlns:q75="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q75:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationsForDataClassResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q76="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetAssociationsForDataClassResult" type="q76:ArrayOfAssociationStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationsForMethod">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="methodId" type="xs:unsignedInt" />

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        <xs:element xmlns:q77="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q77:guid" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetAssociationsForMethodResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q78="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetAssociationsForMethodResult" type="q78:ArrayOfAssociationStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationMembersInRole">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="associationId"
type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="role" type="xs:unsignedByte" />
            <xs:element xmlns:q79="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q79:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationMembersInRoleResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q80="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetAssociationMembersInRoleResult"
type="q80:ArrayOfAssociationMemberStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationGroupById">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="associationGroupId"
type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
            <xs:element xmlns:q81="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q81:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationGroupByIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q82="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetAssociationGroupByIdResult" nillable="true"
type="q82:AssociationGroupStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationGroupsForEntity">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt" />
            <xs:element xmlns:q83="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q83:guid" />

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        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationGroupsForEntityResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q84="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetAssociationGroupsForEntityResult"
type="q84:ArrayOfAssociationGroupStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="RemoveEntityFromModel">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q85="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="modelStruct" type="q85:ModelStruct" />
            <xs:element xmlns:q86="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="entityStruct" type="q86:EntityStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="RemoveEntityFromModelResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="DeleteNoCascade">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q87="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q87:MetadataObjectStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteNoCascadeResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="ModelReadXml">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string" />
            <xs:element xmlns:q88="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="packageContents" type="q88:PackageContents" />
            <xs:element xmlns:q89="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="applicationRegistryStruct" type="q89:MetadataObjectStruct" />
            <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int" />
            <xs:element minOccurs="1" maxOccurs="1" name="updateModel" type="xs:boolean" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ModelReadXmlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q90="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="ModelReadXmlResult" type="q90:ModelStruct" />
            <xs:element xmlns:q91="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="1" maxOccurs="1" name="errors" type="q91:ArrayOfstring" />

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        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetLobSystemProxyAssemblyBytesByLobSystemId">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q92="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="lobSystemStruct" type="q92:LobSystemStruct" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetLobSystemProxyAssemblyBytesByLobSystemIdResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1"
name="GetLobSystemProxyAssemblyBytesByLobSystemIdResult" nillable="true"
type="xs:base64Binary" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetLobSystemAllAssembliesBytes">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q93="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="lobSystemStruct" type="q93:LobSystemStruct" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetLobSystemAllAssembliesBytesResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q94="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" maxOccurs="1" name="GetLobSystemAllAssembliesBytesResult"
type="q94:ArrayOfbase64Binary" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetLobSystemDataByLobSystem">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q95="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="lobSystemStruct" type="q95:LobSystemStruct" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetLobSystemDataByLobSystemResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element
xmlns:q96="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
minOccurs="0" maxOccurs="1" name="GetLobSystemDataByLobSystemResult" nillable="true"
type="q96:ProxyGenerationResult" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SetLobSystemDataByLobSystemId">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1" name="lobSystemId" type="xs:unsignedInt"
/>

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        <xs:element
xmlns:q97="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
minOccurs="1" maxOccurs="1" name="proxyGenerationResult" type="q97:ProxyGenerationResult" />
        <xs:element xmlns:q98="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q98:guid" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="SetLobSystemDataByLobSystemIdResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemsReferencedByEntitiesAssociatedWithModel">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="modelId" type="xs:unsignedInt" />
            <xs:element
xmlns:q99="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.Administ
ration.Client.Constants" minOccurs="1" maxOccurs="1" name="queryMode"
type="q99:LobSystemConstants.LobSystemsInModelQuery" />
            <xs:element xmlns:q100="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q100:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q101="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetLobSystemsReferencedByEntitiesAssociatedWithModelResult"
type="q101:ArrayOfLobSystemStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemByName">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string" />
            <xs:element xmlns:q102="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q102:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemByNameResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q103="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetLobSystemByNameResult" type="q103:LobSystemStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemsLikeName">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="searchLikeName" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int" />
            <xs:element xmlns:q104="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q104:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>

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        </xs:complexType>
      </xs:element>
      <xs:element name="GetLobSystemsLikeNameResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q105="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetLobSystemsLikeNameResult" type="q105:ArrayOfLobSystemStruct" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetLobSystemById">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="lobSystemId" type="xs:unsignedInt"
/>
            <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
            <xs:element xmlns:q106="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q106:guid" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetLobSystemByIdResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q107="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetLobSystemByIdResult" nillable="true" type="q107:LobSystemStruct" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetEntityCount">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="lobSystemId" type="xs:unsignedInt"
/>
            <xs:element xmlns:q108="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q108:guid" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetEntityCountResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="GetEntityCountResult" type="xs:int"
/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetSystemUtilityTypeNameForLobSystem">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q109="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="lobSystemStruct" type="q109:LobSystemStruct" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetSystemUtilityTypeNameForLobSystemResponse">
        <xs:complexType>
          <xs:sequence>

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        <xs:element minOccurs="1" maxOccurs="1"
name="GetSystemUtilityTypeNameForLobSystemResult" type="xs:string" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GenerateProxyAssemblyForLobSystem">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q110="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="lobSystemStruct" type="q110:LobSystemStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GenerateProxyAssemblyForLobSystemResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="DeleteProxyAssemblyForLobSystem">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q111="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="lobSystemStruct" type="q111:LobSystemStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteProxyAssemblyForLobSystemResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemInstancesForLobSystem">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="lobSystemId" type="xs:unsignedInt"
/>
            <xs:element xmlns:q112="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q112:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemInstancesForLobSystemResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q113="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetLobSystemInstancesForLobSystemResult"
type="q113:ArrayOfLobSystemInstanceStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemInstanceById">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="lobSystemInstanceId"
type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
            <xs:element xmlns:q114="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q114:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>

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        </xs:complexType>
      </xs:element>
      <xs:element name="GetLobSystemInstanceByIdResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q115="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetLobSystemInstanceByIdResult" nillable="true"
type="q115:LobSystemInstanceStruct" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetDataClassesForSystem">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="lobSystemId" type="xs:unsignedInt"
/>
            <xs:element minOccurs="1" maxOccurs="1" name="activeOnly" type="xs:boolean" />
            <xs:element xmlns:q116="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q116:guid" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetDataClassesForSystemResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q117="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetDataClassesForSystemResult" type="q117:ArrayOfDataClassStruct" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetDataClassById">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="dataClassId" type="xs:unsignedInt"
/>
            <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
            <xs:element xmlns:q118="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q118:guid" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetDataClassByIdResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q119="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetDataClassByIdResult" nillable="true" type="q119:DataClassStruct" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetEntitiesReferencedByModelId">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="metadataObjectId"
type="xs:unsignedInt" />
            <xs:element
xmlns:q120="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.Adminis
tration.Client.Constants" minOccurs="1" maxOccurs="1" name="mode"
type="q120:EntityConstants.EntitiesInModelQuery" />
            <xs:element minOccurs="1" maxOccurs="1" name="activeOnly" type="xs:boolean" />

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        <xs:element xmlns:q121="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q121:guid" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetEntitiesReferencedByModelIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q122="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetEntitiesReferencedByModelIdResult" type="q122:ArrayOfEntityStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetEntitiesLikeNameAndNamespace">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="wildcardedNamespace"
type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="wildcardedName" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int" />
            <xs:element minOccurs="1" maxOccurs="1" name="activeOnly" type="xs:boolean" />
            <xs:element xmlns:q123="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q123:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetEntitiesLikeNameAndNamespaceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q124="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetEntitiesLikeNameAndNamespaceResult" type="q124:ArrayOfEntityStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetEntityWithNameAndNamespace">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="namespace" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string" />
            <xs:element xmlns:q125="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q125:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetEntityWithNameAndNamespaceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q126="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetEntityWithNameAndNamespaceResult" type="q126:EntityStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetEntityWithNameAndNamespaceAndVersion">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="namespace" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string" />
            <xs:element xmlns:q127="http://schemas.datacontract.org/2004/07/System"
minOccurs="1" maxOccurs="1" name="version" type="q127:Version" />

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        <xs:element xmlns:q128="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q128:guid" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetEntityWithNameAndNamespaceAndVersionResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q129="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetEntityWithNameAndNamespaceAndVersionResult" type="q129:EntityStruct"
/>
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element name="GetEntitiesForSystem">
            <xs:complexType>
                <xs:sequence>
                    <xs:element minOccurs="1" maxOccurs="1" name="lobSystemId" type="xs:unsignedInt"
/>
                        <xs:element minOccurs="1" maxOccurs="1" name="activeOnly" type="xs:boolean" />
                        <xs:element xmlns:q130="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q130:guid" />
                            </xs:sequence>
                        </xs:complexType>
                    </xs:element>
                    <xs:element name="GetEntitiesForSystemResponse">
                        <xs:complexType>
                            <xs:sequence>
                                <xs:element xmlns:q131="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetEntitiesForSystemResult" type="q131:ArrayOfEntityStruct" />
                                    </xs:sequence>
                                </xs:complexType>
                            </xs:element>
                            <xs:element name="GetEntitiesForAssociationAndRole">
                                <xs:complexType>
                                    <xs:sequence>
                                        <xs:element minOccurs="1" maxOccurs="1" name="associationId"
type="xs:unsignedInt" />
                                            <xs:element minOccurs="1" maxOccurs="1" name="role" type="xs:unsignedByte" />
                                            <xs:element minOccurs="1" maxOccurs="1" name="activeOnly" type="xs:boolean" />
                                            <xs:element xmlns:q132="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q132:guid" />
                                                </xs:sequence>
                                            </xs:complexType>
                                        </xs:element>
                                        <xs:element name="GetEntitiesForAssociationAndRoleResponse">
                                            <xs:complexType>
                                                <xs:sequence>
                                                    <xs:element xmlns:q133="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetEntitiesForAssociationAndRoleResult" type="q133:ArrayOfEntityStruct"
/>
                                                        </xs:sequence>
                                                    </xs:complexType>
                                                </xs:element>
                                                <xs:element name="SetDefaultActionForEntity">
                                                    <xs:complexType>
                                                        <xs:sequence>
                                                            <xs:element xmlns:q134="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="entityStruct" type="q134:EntityStruct" />
                                                                <xs:element minOccurs="1" maxOccurs="1" name="actionName" type="xs:string" />

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        <xs:element xmlns:q135="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q135:guid" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="SetDefaultActionForEntityResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="GetEntityNameAndNamespacesForAssociationAndRole">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="associationId"
type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="role" type="xs:unsignedByte" />
            <xs:element xmlns:q136="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q136:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetEntityNameAndNamespacesForAssociationAndRoleResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element
xmlns:q137="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="namespaces" type="q137:ArrayOfstring" />
            <xs:element
xmlns:q138="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="names" type="q138:ArrayOfstring" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetEntityById">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
            <xs:element xmlns:q139="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q139:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetEntityByIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q140="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetEntityByIdResult" nillable="true" type="q140:EntityStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="EntityCreate">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q141="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="rawValues" type="q141:EntityStruct" />
            <xs:element xmlns:q142="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="lobSystemStruct" type="q142:LobSystemStruct" />

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        <xs:element xmlns:q143="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="modelStruct" nillable="true" type="q143:ModelStruct" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="EntityCreateResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q144="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="EntityCreateResult" type="q144:EntityStruct" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Activate">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q145="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="entityStruct" type="q145:EntityStruct" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="ActivateResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q146="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="ActivateResult" type="q146:EntityStruct" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Deactivate">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q147="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="entityStruct" type="q147:EntityStruct" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="DeactivateResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q148="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="DeactivateResult" type="q148:EntityStruct" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="BulkSwitchActiveOrValidate">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q149="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="entityStructs" type="q149:ArrayOfEntityStruct" />
        <xs:element minOccurs="1" maxOccurs="1" name="validate" type="xs:boolean" />
        <xs:element xmlns:q150="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="modelStruct" nillable="true" type="q150:ModelStruct" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="BulkSwitchActiveOrValidateResponse">
    <xs:complexType>
      <xs:sequence>

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        <xs:element xmlns:q151="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="BulkSwitchActiveOrValidateResult"
type="q151:ArrayOfActivationErrorRecordStruct" />
        <xs:element xmlns:q152="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="entityStructs" type="q152:ArrayOfEntityStruct" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetActionById">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="actionId" type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
            <xs:element xmlns:q153="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q153:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetActionByIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q154="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetActionByIdResult" nillable="true" type="q154:ActionStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetActionsForEntity">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt" />
            <xs:element xmlns:q155="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q155:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetActionsForEntityResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q156="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetActionsForEntityResult" type="q156:ArrayOfActionStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetActionParameterById">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="actionParameterId"
type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
            <xs:element xmlns:q157="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q157:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetActionParameterByIdResponse">
    <xs:complexType>
        <xs:sequence>

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        <xs:element xmlns:q158="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetActionParameterByIdResult" nillable="true"
type="q158:ActionParameterStruct" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetActionParametersForAction">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="actionId" type="xs:unsignedInt" />
            <xs:element xmlns:q159="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q159:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetActionParametersForActionResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q160="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetActionParametersForActionResult"
type="q160:ArrayOfActionParameterStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetServiceApplicationId">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="GetServiceApplicationIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q161="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="GetServiceApplicationIdResult" type="q161:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAllPartitionIds">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="GetAllPartitionIdsResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element
xmlns:q162="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="GetAllPartitionIdsResult" type="q162:ArrayOfguid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ReadSlicedXml">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string" />
            <xs:element xmlns:q163="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="packageContents" type="q163:PackageContents" />
            <xs:element xmlns:q164="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="parentStruct" type="q164:MetadataObjectStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>

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        <xs:element xmlns:q165="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="readStruct" type="q165:MetadataObjectStruct" />
        <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="ReadSlicedXmlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element
xmlns:q166="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="errors" type="q166:ArrayOfString" />
            <xs:element xmlns:q167="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="readStruct" type="q167:MetadataObjectStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="WriteSlicedXml">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q168="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q168:MetadataObjectStruct" />
            <xs:element xmlns:q169="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="packageContents" type="q169:PackageContents" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="WriteSlicedXmlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="WriteSlicedXmlResult"
type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="HaveRights">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q170="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q170:MetadataObjectStruct" />
            <xs:element
xmlns:q171="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
minOccurs="1" maxOccurs="1" name="rights" type="q171:BdcRights" />
            <xs:element minOccurs="1" maxOccurs="1" name="fallBack" type="xs:boolean" />
            <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="HaveRightsResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="HaveRightsResult" type="xs:boolean"
/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAllLocalizedNamesForMetadataObjectStruct">
    <xs:complexType>
        <xs:sequence>

```

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        <xs:element xmlns:q172="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q172:MetadataObjectStruct" />
        <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="merged" type="xs:boolean" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetAllLocalizedNamesForMetadataObjectStructResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q173="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetAllLocalizedNamesForMetadataObjectStructResult"
type="q173:ArrayOfLocalizedNameStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAllLocalizedNames">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="metadataObjectId"
type="xs:unsignedInt" />
            <xs:element xmlns:q174="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q174:guid" />
            <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="merged" type="xs:boolean" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAllLocalizedNamesResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q175="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetAllLocalizedNamesResult" type="q175:ArrayOfLocalizedNameStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAllPropertiesForMetadataObjectStruct">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q176="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q176:MetadataObjectStruct" />
            <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="merged" type="xs:boolean" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAllPropertiesForMetadataObjectStructResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q177="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetAllPropertiesForMetadataObjectStructResult"
type="q177:ArrayOfPropertyStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAllProperties">
    <xs:complexType>

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        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1" name="metadataObjectId"
type="xs:unsignedInt" />
          <xs:element xmlns:q178="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q178:guid" />
          <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
          <xs:element minOccurs="1" maxOccurs="1" name="merged" type="xs:boolean" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetAllPropertiesResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q179="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetAllPropertiesResult" type="q179:ArrayOfPropertyStruct" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SaveLocalizedName">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q180="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q180:MetadataObjectStruct" />
          <xs:element minOccurs="1" maxOccurs="1" name="lcid" type="xs:unsignedInt" />
          <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string" />
          <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SaveLocalizedNameResponse">
      <xs:complexType>
        <xs:sequence />
      </xs:complexType>
    </xs:element>
    <xs:element name="ClearLocalizedNames">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q181="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q181:MetadataObjectStruct" />
          <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="ClearLocalizedNamesResponse">
      <xs:complexType>
        <xs:sequence />
      </xs:complexType>
    </xs:element>
    <xs:element name="RemoveLocalizedName">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q182="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q182:MetadataObjectStruct" />
          <xs:element minOccurs="1" maxOccurs="1" name="lcid" type="xs:unsignedInt" />
          <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>

```

```

        </xs:complexType>
    </xs:element>
    <xs:element name="RemoveLocalizedNameResponse">
        <xs:complexType>
            <xs:sequence />
        </xs:complexType>
    </xs:element>
    <xs:element name="SaveProperty">
        <xs:complexType>
            <xs:sequence>
                <xs:element xmlns:q183="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q183:MetadataObjectStruct" />
                <xs:element xmlns:q184="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="propertyStruct" type="q184:PropertyStruct" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="SavePropertyResponse">
        <xs:complexType>
            <xs:sequence />
        </xs:complexType>
    </xs:element>
    <xs:element name="ClearProperties">
        <xs:complexType>
            <xs:sequence>
                <xs:element xmlns:q185="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q185:MetadataObjectStruct" />
                <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="ClearPropertiesResponse">
        <xs:complexType>
            <xs:sequence />
        </xs:complexType>
    </xs:element>
    <xs:element name="RemoveProperty">
        <xs:complexType>
            <xs:sequence>
                <xs:element xmlns:q186="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q186:MetadataObjectStruct" />
                <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string" />
                <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="RemovePropertyResponse">
        <xs:complexType>
            <xs:sequence />
        </xs:complexType>
    </xs:element>
    <xs:element name="GetAccessControlEntries">
        <xs:complexType>
            <xs:sequence>
                <xs:element xmlns:q187="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q187:MetadataObjectStruct" />
                <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>

```



```

        <xs:element minOccurs="1" maxOccurs="1" name="fallback" type="xs:boolean" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetAccessControlEntriesResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q188="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetAccessControlEntriesResult"
type="q188:ArrayOfAccessControlEntryStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="SetAccessControlEntries">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q189="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q189:MetadataObjectStruct" />
            <xs:element xmlns:q190="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="accessControlEntries" type="q190:ArrayOfAccessControlEntryStruct" />
            <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="SetAccessControlEntriesResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="MetadataObjectCreate">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q191="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="rawValues" type="q191:MetadataObjectStruct" />
            <xs:element xmlns:q192="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="parentStruct" nillable="true" type="q192:MetadataObjectStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="MetadataObjectCreateResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q193="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="MetadataObjectCreateResult" type="q193:MetadataObjectStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="Update">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q194="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q194:MetadataObjectStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="UpdateResponse">
    <xs:complexType>
        <xs:sequence>

```

```

        <xs:element xmlns:q195="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="UpdateResult" type="q195:MetadataObjectStruct" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="Delete">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q196="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q196:MetadataObjectStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="MetadataObjectMergeXml">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string" />
            <xs:element xmlns:q197="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="packageContents" type="q197:PackageContents" />
            <xs:element xmlns:q198="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="parentStruct" type="q198:MetadataObjectStruct" />
            <xs:element xmlns:q199="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="mergedStruct" type="q199:MetadataObjectStruct" />
            <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="MetadataObjectMergeXmlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element
xmlns:q200="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="errors" type="q200:ArrayOfstring" />
            <xs:element xmlns:q201="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="mergedStruct" type="q201:MetadataObjectStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="MetadataObjectReadXml">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string" />
            <xs:element xmlns:q202="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="packageContents" type="q202:PackageContents" />
            <xs:element xmlns:q203="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="parentStruct" type="q203:MetadataObjectStruct" />
            <xs:element xmlns:q204="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="readStruct" type="q204:MetadataObjectStruct" />
            <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="MetadataObjectReadXmlResponse">

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    <xs:complexType>
      <xs:sequence>
        <xs:element
xmlns:q205="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="errors" type="q205:ArrayOfString" />
        <xs:element xmlns:q206="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="readStruct" type="q206:MetadataObjectStruct" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="MetadataObjectWriteXml">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q207="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q207:MetadataObjectStruct" />
        <xs:element xmlns:q208="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="packageContents" type="q208:PackageContents" />
        <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="MetadataObjectWriteXmlResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="MetadataObjectWriteXmlResult"
type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="CopyAclAcrossChildren">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q209="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q209:MetadataObjectStruct" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="CopyAclAcrossChildrenResponse">
    <xs:complexType>
      <xs:sequence />
    </xs:complexType>
  </xs:element>
  <xs:element name="CopyAclAcrossChildrenForSetting">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q210="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q210:MetadataObjectStruct" />
        <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="CopyAclAcrossChildrenForSettingResponse">
    <xs:complexType>
      <xs:sequence />
    </xs:complexType>
  </xs:element>
  <xs:element name="CopyAclToSetting">
    <xs:complexType>

```

```

        <xs:sequence>
            <xs:element xmlns:q211="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="metadataObjectStruct" type="q211:MetadataObjectStruct" />
            <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="CopyAclToSettingResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="GetCacheInvalidationRecordsSince">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="dateTime" type="xs:dateTime" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetCacheInvalidationRecordsSinceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q212="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetCacheInvalidationRecordsSinceResult"
type="q212:ArrayOfCacheInvalidationRecordStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ImportPackage">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string" />
            <xs:element xmlns:q213="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="packageContents" type="q213:PackageContents" />
            <xs:element xmlns:q214="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="adminStruct" type="q214:AdministrationMetadataCatalogStruct" />
            <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int" />
            <xs:element minOccurs="1" maxOccurs="1" name="updateModel" type="xs:boolean" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ImportPackageResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q215="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="ImportPackageResult" type="q215:ModelStruct" />
            <xs:element
xmlns:q216="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="errors" type="q216:ArrayOfstring" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ImportPackageWithProgress">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="xml" type="xs:string" />

```

```

        <xs:element xmlns:q217="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="packageContents" type="q217:PackageContents" />
        <xs:element xmlns:q218="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="adminStruct" type="q218:AdministrationMetadataCatalogStruct" />
        <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int" />
        <xs:element minOccurs="1" maxOccurs="1" name="updateModel" type="xs:boolean" />
        <xs:element xmlns:q219="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="jobId" type="q219:guid" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="ImportPackageWithProgressResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q220="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="ImportPackageWithProgressResult" type="q220:ModelStruct" />
            <xs:element
xmlns:q221="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="errors" type="q221:ArrayOfstring" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetImportProgress">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q222="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="jobId" type="q222:guid" />
            <xs:element xmlns:q223="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q223:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetImportProgressResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="GetImportProgressResult"
type="xs:double" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ExportPackage">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q224="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="modelStruct" type="q224:ModelStruct" />
            <xs:element xmlns:q225="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="packageContents" type="q225:PackageContents" />
            <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ExportPackageResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="ExportPackageResult"
type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>

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```

        </xs:complexType>
    </xs:element>
    <xs:element name="GetModelById">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="1" maxOccurs="1" name="modelId" type="xs:unsignedInt" />
                <xs:element minOccurs="1" maxOccurs="1" name="performErrorCheck"
type="xs:boolean" />
                <xs:element xmlns:q226="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q226:guid" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetModelByIdResponse">
        <xs:complexType>
            <xs:sequence>
                <xs:element xmlns:q227="Microsoft.SharePoint.BusinessData" minOccurs="0"
maxOccurs="1" name="GetModelByIdResult" nillable="true" type="q227:ModelStruct" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetModelsByName">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="1" maxOccurs="1" name="wildcardedName" type="xs:string" />
                <xs:element minOccurs="1" maxOccurs="1" name="callerCultureLcid" type="xs:int" />
                <xs:element xmlns:q228="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q228:guid" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetModelsByNameResponse">
        <xs:complexType>
            <xs:sequence>
                <xs:element xmlns:q229="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetModelsByNameResult" type="q229:ArrayOfModelStruct" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetModelByName">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string" />
                <xs:element xmlns:q230="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q230:guid" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetModelByNameResponse">
        <xs:complexType>
            <xs:sequence>
                <xs:element xmlns:q231="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetModelByNameResult" type="q231:ModelStruct" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetModelsByEntityId">
        <xs:complexType>
            <xs:sequence>

```

```

        <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt" />
        <xs:element xmlns:q232="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="1" maxOccurs="1" name="partitionId" type="q232:guid" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetModelsByEntityIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q233="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="GetModelsByEntityIdResult" type="q233:ArrayOfModelStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="AddEntityToModel">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q234="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="modelStruct" type="q234:ModelStruct" />
            <xs:element xmlns:q235="Microsoft.SharePoint.BusinessData" minOccurs="1"
maxOccurs="1" name="entityStruct" type="q235:EntityStruct" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="AddEntityToModelResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
</xs:schema>
<xs:schema xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/"
attributeFormDefault="qualified" elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:element name="anyType" nillable="true" type="xs:anyType" />
    <xs:element name="anyURI" nillable="true" type="xs:anyURI" />
    <xs:element name="base64Binary" nillable="true" type="xs:base64Binary" />
    <xs:element name="boolean" nillable="true" type="xs:boolean" />
    <xs:element name="byte" nillable="true" type="xs:byte" />
    <xs:element name="dateTime" nillable="true" type="xs:dateTime" />
    <xs:element name="decimal" nillable="true" type="xs:decimal" />
    <xs:element name="double" nillable="true" type="xs:double" />
    <xs:element name="float" nillable="true" type="xs:float" />
    <xs:element name="int" nillable="true" type="xs:int" />
    <xs:element name="long" nillable="true" type="xs:long" />
    <xs:element name="QName" nillable="true" type="xs:QName" />
    <xs:element name="short" nillable="true" type="xs:short" />
    <xs:element name="string" nillable="true" type="xs:string" />
    <xs:element name="unsignedByte" nillable="true" type="xs:unsignedByte" />
    <xs:element name="unsignedInt" nillable="true" type="xs:unsignedInt" />
    <xs:element name="unsignedLong" nillable="true" type="xs:unsignedLong" />
    <xs:element name="unsignedShort" nillable="true" type="xs:unsignedShort" />
    <xs:element name="char" nillable="true" type="tns:char" />
    <xs:simpleType name="char">
        <xs:restriction base="xs:int" />
    </xs:simpleType>
    <xs:element name="duration" nillable="true" type="tns:duration" />
    <xs:simpleType name="duration">
        <xs:restriction base="xs:duration">

```

```

        <xs:pattern value="\-?P(\d*D)?(T(\d*H)?(\d*M)?(\d*(\.\d*)?S)?)?" />
        <xs:minInclusive value="-P10675199DT2H48M5.4775808S" />
        <xs:maxInclusive value="P10675199DT2H48M5.4775807S" />
    </xs:restriction>
</xs:simpleType>
<xs:element name="guid" nillable="true" type="tns:guid" />
<xs:simpleType name="guid">
    <xs:restriction base="xs:string">
        <xs:pattern value="[\da-fA-F]{8}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{12}" />
    </xs:restriction>
</xs:simpleType>
<xs:attribute name="FactoryType" type="xs:QName" />
<xs:attribute name="Id" type="xs:ID" />
<xs:attribute name="Ref" type="xs:IDREF" />
</xs:schema>
<xs:schema xmlns:tns="Microsoft.SharePoint.BusinessData"
xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
elementFormDefault="qualified" targetNamespace="Microsoft.SharePoint.BusinessData"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
    <xs:import namespace="Microsoft.BusinessData.SharePoint" />
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
    <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel" />
    <xs:import namespace="http://schemas.datacontract.org/2004/07/System" />
    <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime" />
    <xs:complexType name="ArrayOfAssociationReferenceStruct">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationReferenceStruct"
nillable="true" type="tns:AssociationReferenceStruct" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfAssociationReferenceStruct" nillable="true"
type="tns:ArrayOfAssociationReferenceStruct" />
    <xs:complexType name="AssociationReferenceStruct">
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="_associationName" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="_entityName" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="_entityNamespace" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="associationGroupId"
type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="associationGroupObjectVersion"
type="xs:int" />
            <xs:element minOccurs="1" maxOccurs="1" name="associationId" type="xs:unsignedInt"
/>
            <xs:element minOccurs="1" maxOccurs="1" name="id" type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="isReverse" type="xs:boolean" />
            <xs:element minOccurs="1" maxOccurs="1" name="partitionId" type="ser:guid" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="AssociationReferenceStruct" nillable="true"
type="tns:AssociationReferenceStruct" />
    <xs:complexType name="ExceededMetadataObjectLimitExceptionState">
        <xs:complexContent mixed="false">
            <xs:extension xmlns:q1="Microsoft.BusinessData.SharePoint"
base="q1:MetadataException">
                <xs:sequence>
                    <xs:element minOccurs="0" name="Limit" type="xs:int" />
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>

```



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        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="ExceededMetadataObjectLimitExceptionState" nillable="true"
type="tns:ExceededMetadataObjectLimitExceptionState" />
  <xs:complexType name="DuplicateMetadataObjectExceptionState">
    <xs:complexContent mixed="false">
      <xs:extension xmlns:q2="Microsoft.BusinessData.SharePoint"
base="q2:MetadataException">
        <xs:sequence>
          <xs:element minOccurs="0" name="DuplicateFieldName" nillable="true"
type="xs:string" />
          <xs:element minOccurs="0" name="DuplicateMetadataObjectName" nillable="true"
type="xs:string" />
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="DuplicateMetadataObjectExceptionState" nillable="true"
type="tns:DuplicateMetadataObjectExceptionState" />
  <xs:complexType name="InvalidMetadataObjectExceptionState">
    <xs:complexContent mixed="false">
      <xs:extension xmlns:q3="Microsoft.BusinessData.SharePoint"
base="q3:MetadataException">
        <xs:sequence>
          <xs:element minOccurs="0" name="InvalidFieldName" nillable="true"
type="xs:string" />
          <xs:element minOccurs="0" name="InvalidMetadataObjectId" type="xs:unsignedInt"
/>
          <xs:element minOccurs="0" name="InvalidMetadataObjectName" nillable="true"
type="xs:string" />
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="InvalidMetadataObjectExceptionState" nillable="true"
type="tns:InvalidMetadataObjectExceptionState" />
  <xs:complexType name="InvalidMetadataPropertyExceptionState">
    <xs:complexContent mixed="false">
      <xs:extension xmlns:q4="Microsoft.BusinessData.SharePoint"
base="q4:MetadataException">
        <xs:sequence>
          <xs:element minOccurs="0" name="InvalidPropertyName" nillable="true"
type="xs:string" />
          <xs:element minOccurs="0" name="MetadataObjectName" nillable="true"
type="xs:string" />
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="InvalidMetadataPropertyExceptionState" nillable="true"
type="tns:InvalidMetadataPropertyExceptionState" />
  <xs:complexType name="ConcurrentModificationExceptionState">
    <xs:complexContent mixed="false">
      <xs:extension xmlns:q5="Microsoft.BusinessData.SharePoint"
base="q5:MetadataException">
        <xs:sequence>
          <xs:element minOccurs="0" name="MetadataObjectId" type="xs:unsignedInt" />
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>

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        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="ConcurrentModificationExceptionState" nillable="true"
type="tns:ConcurrentModificationExceptionState" />
    <xs:complexType name="MetadataObjectNotFoundExceptionState">
        <xs:complexContent mixed="false">
            <xs:extension xmlns:q6="Microsoft.BusinessData.SharePoint"
base="q6:MetadataException">
                <xs:sequence>
                    <xs:element minOccurs="0" name="SearchCriteria" nillable="true"
type="xs:string" />
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:element name="MetadataObjectNotFoundExceptionState" nillable="true"
type="tns:MetadataObjectNotFoundExceptionState" />
    <xs:complexType name="AssociationGroupStruct">
        <xs:complexContent mixed="false">
            <xs:extension base="tns:MetadataObjectStruct">
                <xs:sequence>
                    <xs:element
xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="associationEntityNames" nillable="true" type="q7:ArrayOfstring" />
                    <xs:element
xmlns:q8="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="associationEntityNamespaces" nillable="true" type="q8:ArrayOfstring" />
                    <xs:element
xmlns:q9="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="associationIds" nillable="true" type="q9:ArrayOfunsignedInt" />
                    <xs:element
xmlns:q10="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="associationNames" nillable="true" type="q10:ArrayOfstring" />
                    <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt"
/>
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:element name="AssociationGroupStruct" nillable="true"
type="tns:AssociationGroupStruct" />
    <xs:complexType name="MetadataObjectStruct">
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="id" type="xs:unsignedInt" />
            <xs:element minOccurs="1" maxOccurs="1" name="isCached" type="xs:boolean" />
            <xs:element minOccurs="1" maxOccurs="1" name="name" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="objectVersion" type="xs:int" />
            <xs:element minOccurs="1" maxOccurs="1" name="partitionId" type="ser:guid" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="MetadataObjectStruct" nillable="true" type="tns:MetadataObjectStruct"
/>
    <xs:complexType name="FilterDescriptorStruct">
        <xs:complexContent mixed="false">
            <xs:extension base="tns:MetadataObjectStruct">
                <xs:sequence>
                    <xs:element minOccurs="0" name="filterField" nillable="true" type="xs:string"
/>
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>

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        <xs:element
xmlns:q11="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
minOccurs="0" name="filterType" type="q11:FilterType" />
        <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt" />
    </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:element name="FilterDescriptorStruct" nillable="true"
type="tns:FilterDescriptorStruct" />
    <xs:complexType name="ActionParameterStruct">
        <xs:complexContent mixed="false">
            <xs:extension base="tns:MetadataObjectStruct">
                <xs:sequence>
                    <xs:element minOccurs="0" name="actionId" type="xs:unsignedInt" />
                    <xs:element minOccurs="0" name="index" type="xs:unsignedByte" />
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
<xs:element name="ActionParameterStruct" nillable="true"
type="tns:ActionParameterStruct" />
    <xs:complexType name="ActionStruct">
        <xs:complexContent mixed="false">
            <xs:extension base="tns:MetadataObjectStruct">
                <xs:sequence>
                    <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt"
/>
                    <xs:element minOccurs="1" maxOccurs="1" name="imageUrl" type="xs:string" />
                    <xs:element minOccurs="1" maxOccurs="1" name="isOpenedInNewWindow"
type="xs:boolean" />
                    <xs:element minOccurs="1" maxOccurs="1" name="position" type="xs:unsignedByte"
/>
                    <xs:element minOccurs="1" maxOccurs="1" name="url" type="xs:string" />
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
<xs:element name="ActionStruct" nillable="true" type="tns:ActionStruct" />
<xs:complexType name="AdministrationMetadataCatalogStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:MetadataObjectStruct">
            <xs:sequence />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="AdministrationMetadataCatalogStruct" nillable="true"
type="tns:AdministrationMetadataCatalogStruct" />
    <xs:complexType name="AssociationStruct">
        <xs:complexContent mixed="false">
            <xs:extension base="tns:MethodInstanceStruct">
                <xs:sequence>
                    <xs:element minOccurs="1" maxOccurs="1" name="associationGroupId"
type="xs:unsignedInt" />
                    <xs:element minOccurs="1" maxOccurs="1" name="destinationEntityName"
type="xs:string" />
                    <xs:element minOccurs="1" maxOccurs="1" name="destinationEntityNamespace"
type="xs:string" />

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        <xs:element
xmlns:q12="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="sourceEntityNames" nillable="true" type="q12:ArrayOfstring" />
        <xs:element
xmlns:q13="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="1"
maxOccurs="1" name="sourceEntityNamespaces" type="q13:ArrayOfstring" />
    </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:element name="AssociationStruct" nillable="true" type="tns:AssociationStruct" />
<xs:complexType name="MethodInstanceStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:MetadataObjectStruct">
            <xs:sequence>
                <xs:element minOccurs="1" maxOccurs="1" name="isDefault" type="xs:boolean" />
                <xs:element minOccurs="1" maxOccurs="1" name="methodId" type="xs:unsignedInt"
/>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="MethodInstanceStruct" nillable="true" type="tns:MethodInstanceStruct"
/>
<xs:complexType name="DataClassStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:MetadataObjectStruct">
            <xs:sequence>
                <xs:element minOccurs="0" name="active" type="xs:boolean" />
                <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt" />
                <xs:element minOccurs="0" name="modelId" type="xs:unsignedInt" />
                <xs:element minOccurs="0" name="namespace" nillable="true" type="xs:string" />
                <xs:element xmlns:q15="http://schemas.datacontract.org/2004/07/System"
minOccurs="0" name="version" nillable="true" type="q15:Version" />
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="DataClassStruct" nillable="true" type="tns:DataClassStruct" />
<xs:complexType name="EntityStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:DataClassStruct">
            <xs:sequence>
                <xs:element
xmlns:q16="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
minOccurs="1" maxOccurs="1" name="cacheUsage" type="q16:CacheUsage" />
                <xs:element minOccurs="1" maxOccurs="1" name="description" nillable="true"
type="xs:string" />
                <xs:element minOccurs="1" maxOccurs="1" name="estimatedInstanceCount"
type="xs:unsignedInt" />
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="EntityStruct" nillable="true" type="tns:EntityStruct" />

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<xs:complexType name="ModelStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="ModelStruct" nillable="true" type="tns:ModelStruct" />
<xs:complexType name="IdentifierStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt" />
        <xs:element minOccurs="0" name="ordinalNumber" type="xs:unsignedByte" />
        <xs:element minOccurs="0" name="typeName" nillable="true" type="xs:string" />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="IdentifierStruct" nillable="true" type="tns:IdentifierStruct" />
<xs:complexType name="LobSystemInstanceStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt" />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="LobSystemInstanceStruct" nillable="true"
type="tns:LobSystemInstanceStruct" />
<xs:complexType name="LobSystemStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element
xmlns:q17="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
minOccurs="0" name="systemType" type="q17:SystemType" />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="LobSystemStruct" nillable="true" type="tns:LobSystemStruct" />
<xs:complexType name="MethodStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="entityId" type="xs:unsignedInt"
/>
        <xs:element minOccurs="1" maxOccurs="1" name="isStatic" type="xs:boolean" />
        <xs:element minOccurs="1" maxOccurs="1" name="lobName" type="xs:string" />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="MethodStruct" nillable="true" type="tns:MethodStruct" />
<xs:complexType name="ParameterStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:MetadataObjectStruct">

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        <xs:sequence>
          <xs:element
            xmlns:q18="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
            minOccurs="0" name="direction" type="q18:DirectionType" />
          <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt" />
          <xs:element minOccurs="0" name="ordinalNumber" type="xs:unsignedByte" />
          <xs:element minOccurs="0" name="rootTypeDescriptorId" type="xs:unsignedInt" />
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="ParameterStruct" nillable="true" type="tns:ParameterStruct" />
  <xs:complexType name="TypeDescriptorStruct">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:MetadataObjectStruct">
        <xs:sequence>
          <xs:element minOccurs="1" name="associationId" type="xs:unsignedInt" />
          <xs:element minOccurs="0" name="associationReferenceEntityName" nillable="true"
            type="xs:string" />
          <xs:element minOccurs="0" name="associationReferenceEntityNamespace"
            nillable="true" type="xs:string" />
          <xs:element minOccurs="0" name="associationReferenceName" nillable="true"
            type="xs:string" />
          <xs:element minOccurs="1" name="childrenContainRules" type="xs:boolean" />
          <xs:element minOccurs="1" name="containsFilterDescriptor" type="xs:boolean" />
          <xs:element minOccurs="1" name="containsIdentifier" type="xs:boolean" />
          <xs:element minOccurs="1" name="containsReadOnly" type="xs:boolean" />
          <xs:element minOccurs="1" name="filterDescriptorId" type="xs:unsignedInt" />
          <xs:element
            xmlns:q19="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
            minOccurs="0" name="flags" type="q19:TypeDescriptorFlags" />
          <xs:element minOccurs="1" name="identifierId" type="xs:unsignedInt" />
          <xs:element minOccurs="0" name="identifierReferenceEntityName" nillable="true"
            type="xs:string" />
          <xs:element minOccurs="0" name="identifierReferenceEntityNamespace"
            nillable="true" type="xs:string" />
          <xs:element minOccurs="0" name="identifierReferenceName" nillable="true"
            type="xs:string" />
          <xs:element minOccurs="0" name="lobName" nillable="true" type="xs:string" />
          <xs:element minOccurs="0" name="parameterId" type="xs:unsignedInt" />
          <xs:element minOccurs="1" name="parentTypeDescriptorId" type="xs:unsignedInt" />
        </xs:sequence>
        <xs:element minOccurs="0" name="serializedRules" nillable="true"
          type="xs:string" />
        <xs:element minOccurs="1" name="typeName" type="xs:string" />
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="TypeDescriptorStruct" nillable="true" type="tns:TypeDescriptorStruct" />
</>
  <xs:complexType name="ArrayOfIdentifierStruct">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="IdentifierStruct"
        nillable="true" type="tns:IdentifierStruct" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfIdentifierStruct" nillable="true"
    type="tns:ArrayOfIdentifierStruct" />
  <xs:complexType name="ArrayOfMethodStruct">

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        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="MethodStruct" nillable="true"
type="tns:MethodStruct" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfMethodStruct" nillable="true" type="tns:ArrayOfMethodStruct"
/>

    <xs:complexType name="ArrayOfFilterDescriptorStruct">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="FilterDescriptorStruct"
nillable="true" type="tns:FilterDescriptorStruct" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfFilterDescriptorStruct" nillable="true"
type="tns:ArrayOfFilterDescriptorStruct" />
    <xs:complexType name="ArrayOfMethodInstanceStruct">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="MethodInstanceStruct"
nillable="true" type="tns:MethodInstanceStruct" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfMethodInstanceStruct" nillable="true"
type="tns:ArrayOfMethodInstanceStruct" />
    <xs:complexType name="ArrayOfParameterStruct">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="ParameterStruct"
nillable="true" type="tns:ParameterStruct" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfParameterStruct" nillable="true"
type="tns:ArrayOfParameterStruct" />
    <xs:complexType name="ArrayOfTypeDescriptorStruct">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="TypeDescriptorStruct"
nillable="true" type="tns:TypeDescriptorStruct" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfTypeDescriptorStruct" nillable="true"
type="tns:ArrayOfTypeDescriptorStruct" />
    <xs:complexType name="ArrayOfDefaultValueStruct">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="DefaultValueStruct"
nillable="true" type="tns:DefaultValueStruct" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfDefaultValueStruct" nillable="true"
type="tns:ArrayOfDefaultValueStruct" />
    <xs:complexType name="DefaultValueStruct">
        <xs:complexContent mixed="false">
            <xs:extension base="tns:ComplexValueStruct">
                <xs:sequence>
                    <xs:element minOccurs="1" maxOccurs="1" name="methodInstanceId"
type="xs:unsignedInt" />
                    <xs:element minOccurs="1" maxOccurs="1" name="methodInstanceName"
type="xs:string" />
                    <xs:element minOccurs="1" maxOccurs="1" name="typeDescriptorId"
type="xs:unsignedInt" />
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>

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```

</xs:complexType>
<xs:element name="DefaultValueStruct" nillable="true" type="tns:DefaultValueStruct" />
<xs:complexType name="ComplexValueStruct">
  <xs:sequence>
    <xs:element minOccurs="0" name="needsTypeReflectionResolution" type="xs:boolean" />
    <xs:element minOccurs="0" name="wcfMarshallableValue" nillable="true"
type="xs:anyType" />
    <xs:element minOccurs="0" name="wcfMarshallableValueAssemblyQualifiedTypeName"
nillable="true" type="xs:string" />
    <xs:element minOccurs="0" name="wcfMarshallableValueTypeName" nillable="true"
type="xs:string" />
  </xs:sequence>
</xs:complexType>
<xs:element name="ComplexValueStruct" nillable="true" type="tns:ComplexValueStruct" />
<xs:complexType name="PropertyStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:ComplexValueStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="metadataObjectId" type="xs:unsignedInt" />
        <xs:element minOccurs="0" name="name" nillable="true" type="xs:string" />
        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string" />
        <xs:element minOccurs="0" name="typeName" nillable="true" type="xs:string" />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="PropertyStruct" nillable="true" type="tns:PropertyStruct" />
<xs:simpleType name="PackageContents">
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">0</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Model">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="LocalizedNames">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Permissions">
          <xs:annotation>
            <xs:appinfo>

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        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">4</EnumerationValue>
    </xs:appinfo>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="Properties">
    <xs:annotation>
        <xs:appinfo>
            <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">8</EnumerationValue>
        </xs:appinfo>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="InlineProxies">
    <xs:annotation>
        <xs:appinfo>
            <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">16</EnumerationValue>
        </xs:appinfo>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="All">
    <xs:annotation>
        <xs:appinfo>
            <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">31</EnumerationValue>
        </xs:appinfo>
    </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
</xs:list>
</xs:simpleType>
<xs:element name="PackageContents" nillable="true" type="tns:PackageContents" />
<xs:complexType name="PackageFormatExceptionState">
    <xs:sequence>
        <xs:element minOccurs="0" name="Message" nillable="true" type="xs:string" />
        <xs:element xmlns:q20="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="ParseErrors" nillable="true" type="q20:ArrayOfstring" />
        <xs:element minOccurs="0" name="SerializedInnerSystemException" nillable="true"
type="xs:base64Binary" />
        <xs:element minOccurs="0" name="ServerStackTrace" nillable="true" type="xs:string"
/>
    </xs:sequence>
</xs:complexType>
<xs:element name="PackageFormatExceptionState" nillable="true"
type="tns:PackageFormatExceptionState" />
<xs:complexType name="ArrayOfAssociationStruct">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationStruct"
nillable="true" type="tns:AssociationStruct" />
    </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfAssociationStruct" nillable="true"
type="tns:ArrayOfAssociationStruct" />
<xs:complexType name="ArrayOfAssociationMemberStruct">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationMemberStruct"
nillable="true" type="tns:AssociationMemberStruct" />
    </xs:sequence>

```

```

        </xs:complexType>
        <xs:element name="ArrayOfAssociationMemberStruct" nillable="true"
type="tns:ArrayOfAssociationMemberStruct" />
        <xs:complexType name="AssociationMemberStruct">
            <xs:sequence>
                <xs:element minOccurs="0" name="_entityName" nillable="true" type="xs:string" />
                <xs:element minOccurs="0" name="_entityNamespace" nillable="true" type="xs:string"
/>
                <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt" />
                <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt" />
                <xs:element minOccurs="0" name="partitionId" type="ser:guid" />
                <xs:element minOccurs="0" name="role" type="xs:unsignedByte" />
            </xs:sequence>
        </xs:complexType>
        <xs:element name="AssociationMemberStruct" nillable="true"
type="tns:AssociationMemberStruct" />
        <xs:complexType name="ArrayOfAssociationGroupStruct">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationGroupStruct"
nillable="true" type="tns:AssociationGroupStruct" />
            </xs:sequence>
        </xs:complexType>
        <xs:element name="ArrayOfAssociationGroupStruct" nillable="true"
type="tns:ArrayOfAssociationGroupStruct" />
        <xs:complexType name="ArrayOfLobSystemStruct">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="unbounded" name="LobSystemStruct"
nillable="true" type="tns:LobSystemStruct" />
            </xs:sequence>
        </xs:complexType>
        <xs:element name="ArrayOfLobSystemStruct" nillable="true"
type="tns:ArrayOfLobSystemStruct" />
        <xs:complexType name="ArrayOfLobSystemInstanceStruct">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="unbounded" name="LobSystemInstanceStruct"
nillable="true" type="tns:LobSystemInstanceStruct" />
            </xs:sequence>
        </xs:complexType>
        <xs:element name="ArrayOfLobSystemInstanceStruct" nillable="true"
type="tns:ArrayOfLobSystemInstanceStruct" />
        <xs:complexType name="ArrayOfDataClassStruct">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="unbounded" name="DataClassStruct"
nillable="true" type="tns:DataClassStruct" />
            </xs:sequence>
        </xs:complexType>
        <xs:element name="ArrayOfDataClassStruct" nillable="true"
type="tns:ArrayOfDataClassStruct" />
        <xs:complexType name="ArrayOfEntityStruct">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="unbounded" name="EntityStruct" nillable="true"
type="tns:EntityStruct" />
            </xs:sequence>
        </xs:complexType>
        <xs:element name="ArrayOfEntityStruct" nillable="true" type="tns:ArrayOfEntityStruct"
/>
        <xs:complexType name="ArrayOfActivationErrorRecordStruct">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="unbounded" name="ActivationErrorRecordStruct"
nillable="true" type="tns:ActivationErrorRecordStruct" />
            </xs:sequence>
        </xs:complexType>
    </xs:sequence>
</xs:complexType>

```

```

        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfActivationErrorRecordStruct" nillable="true"
type="tns:ArrayOfActivationErrorRecordStruct" />
    <xs:complexType name="ActivationErrorRecordStruct">
        <xs:sequence>
            <xs:element minOccurs="0" name="aGAssociationEntityReferenceName" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="aGAssociationEntityReferenceNamespace"
nillable="true" type="xs:string" />
            <xs:element minOccurs="0" name="aGAssociationReferenceName" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="containingAssociationGroupName" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="containingEntityName" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="containingEntityNamespace" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="containingEntityVersion" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="containingMethodName" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="containingParameterName" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="containingTypeDescriptorId" type="xs:unsignedInt"
/>
            <xs:element minOccurs="0" name="containingTypeDescriptorName" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="errorCode" type="xs:int" />
            <xs:element minOccurs="0" name="tDAssociationEntityReferenceName" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="tDAssociationEntityReferenceNamespace"
nillable="true" type="xs:string" />
            <xs:element minOccurs="0" name="tDAssociationReferenceName" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="tDIDEntityReferenceName" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="tDIDEntityReferenceNamespace" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="tDIDReferenceName" nillable="true" type="xs:string"
/>
            <xs:element minOccurs="0" name="tDIDReferenceTypeName" nillable="true"
type="xs:string" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ActivationErrorRecordStruct" nillable="true"
type="tns:ActivationErrorRecordStruct" />
    <xs:complexType name="ArrayOfActionStruct">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="ActionStruct" nillable="true"
type="tns:ActionStruct" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfActionStruct" nillable="true" type="tns:ArrayOfActionStruct"
/>
    <xs:complexType name="ArrayOfActionParameterStruct">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="ActionParameterStruct"
nillable="true" type="tns:ActionParameterStruct" />
        </xs:sequence>
    </xs:complexType>

```

```

        <xs:element name="ArrayOfActionParameterStruct" nillable="true"
type="tns:ArrayOfActionParameterStruct" />
        <xs:complexType name="ArrayOfLocalizedNameStruct">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="unbounded" name="LocalizedNameStruct"
nillable="true" type="tns:LocalizedNameStruct" />
            </xs:sequence>
        </xs:complexType>
        <xs:element name="ArrayOfLocalizedNameStruct" nillable="true"
type="tns:ArrayOfLocalizedNameStruct" />
        <xs:complexType name="LocalizedNameStruct">
            <xs:sequence>
                <xs:element minOccurs="1" maxOccurs="1" name="lcid" type="xs:unsignedInt" />
                <xs:element minOccurs="1" maxOccurs="1" name="metadataObjectId"
type="xs:unsignedInt" />
                <xs:element minOccurs="1" maxOccurs="1" name="settingId" nillable="true"
type="xs:string" />
                <xs:element minOccurs="1" maxOccurs="1" name="vblue" nillable="true"
type="xs:string" />
            </xs:sequence>
        </xs:complexType>
        <xs:element name="LocalizedNameStruct" nillable="true" type="tns:LocalizedNameStruct"
/>

        <xs:complexType name="ArrayOfPropertyStruct">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="unbounded" name="PropertyStruct"
nillable="true" type="tns:PropertyStruct" />
            </xs:sequence>
        </xs:complexType>
        <xs:element name="ArrayOfPropertyStruct" nillable="true"
type="tns:ArrayOfPropertyStruct" />
        <xs:complexType name="ArrayOfAccessControlEntryStruct">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="unbounded" name="AccessControlEntryStruct"
nillable="true" type="tns:AccessControlEntryStruct" />
            </xs:sequence>
        </xs:complexType>
        <xs:element name="ArrayOfAccessControlEntryStruct" nillable="true"
type="tns:ArrayOfAccessControlEntryStruct" />
        <xs:complexType name="AccessControlEntryStruct">
            <xs:sequence>
                <xs:element minOccurs="0" name="principalBinaryForm" nillable="true"
type="xs:base64Binary" />
                <xs:element minOccurs="0" name="principalDisplayName" nillable="true"
type="xs:string" />
                <xs:element minOccurs="0" name="principalName" nillable="true" type="xs:string" />
                <xs:element minOccurs="0" name="rights" type="xs:unsignedLong" />
            </xs:sequence>
        </xs:complexType>
        <xs:element name="AccessControlEntryStruct" nillable="true"
type="tns:AccessControlEntryStruct" />
        <xs:complexType name="ArrayOfCacheInvalidationRecordStruct">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="unbounded"
name="CacheInvalidationRecordStruct" nillable="true" type="tns:CacheInvalidationRecordStruct"
/>
            </xs:sequence>
        </xs:complexType>
        <xs:element name="ArrayOfCacheInvalidationRecordStruct" nillable="true"
type="tns:ArrayOfCacheInvalidationRecordStruct" />

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```

<xs:complexType name="CacheInvalidationRecordStruct">
  <xs:sequence>
    <xs:element minOccurs="0" name="cacheLine" type="xs:long" />
    <xs:element minOccurs="0" name="counter" type="xs:int" />
    <xs:element minOccurs="0" name="partitionId" type="ser:guid" />
    <xs:element minOccurs="0" name="timestamp" type="xs:dateTime" />
  </xs:sequence>
</xs:complexType>
<xs:element name="CacheInvalidationRecordStruct" nillable="true"
type="tns:CacheInvalidationRecordStruct" />
<xs:complexType name="ArrayOfModelStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ModelStruct" nillable="true"
type="tns:ModelStruct" />
  </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfModelStruct" nillable="true" type="tns:ArrayOfModelStruct" />
</xs:schema>
<xs:schema xmlns:tns="Microsoft.BusinessData.SharePoint" elementFormDefault="qualified"
targetNamespace="Microsoft.BusinessData.SharePoint"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType name="MetadataException">
    <xs:sequence>
      <xs:element minOccurs="0" name="explicitMessage" type="xs:boolean" />
      <xs:element minOccurs="0" name="innerExceptionToStringed" nillable="true"
type="xs:string" />
      <xs:element minOccurs="0" name="innerExceptionTypeFullName" nillable="true"
type="xs:string" />
      <xs:element minOccurs="0" name="message" nillable="true" type="xs:string" />
      <xs:element minOccurs="0" name="metadataObjectTypeName" nillable="true"
type="xs:string" />
      <xs:element minOccurs="0" name="serverStackTrace" nillable="true" type="xs:string"
/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="MetadataException" nillable="true" type="tns:MetadataException" />
</xs:schema>
<xs:schema xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:complexType name="ArrayOfstring">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="xs:string" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfstring" nillable="true" type="tns:ArrayOfstring" />
  <xs:complexType name="ArrayOfunsignedInt">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="unsignedInt"
type="xs:unsignedInt" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfunsignedInt" nillable="true" type="tns:ArrayOfunsignedInt" />
  <xs:complexType name="ArrayOfbase64Binary">
    <xs:sequence>

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```

        <xs:element minOccurs="0" maxOccurs="unbounded" name="base64Binary" nillable="true"
type="xs:base64Binary" />
    </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfbase64Binary" nillable="true" type="tns:ArrayOfbase64Binary"
/>

<xs:complexType name="ArrayOfguid">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="guid" type="ser:guid" />
    </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfguid" nillable="true" type="tns:ArrayOfguid" />
</xs:schema>
<xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
    <xs:simpleType name="FilterType">
        <xs:restriction base="xs:string">
            <xs:enumeration value="Comparison">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="LastId">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">3</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="Limit">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">4</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="PageNumber">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">5</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="Password">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">6</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
        </xs:restriction>
    </xs:simpleType>

```

```

        </xs:enumeration>
        <xs:enumeration value="SsoTicket">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">8</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Timestamp">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">9</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="UserContext">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">10</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Username">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">11</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="UserProfile">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">12</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Wildcard">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">13</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Input">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">14</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Output">
          <xs:annotation>

```

```

        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">15</EnumerationValue>
        </xs:appinfo>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="InputOutput">
      <xs:annotation>
        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">16</EnumerationValue>
        </xs:appinfo>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Batching">
      <xs:annotation>
        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">17</EnumerationValue>
        </xs:appinfo>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="BatchingTermination">
      <xs:annotation>
        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">18</EnumerationValue>
        </xs:appinfo>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="UserCulture">
      <xs:annotation>
        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">19</EnumerationValue>
        </xs:appinfo>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="ActivityId">
      <xs:annotation>
        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">20</EnumerationValue>
        </xs:appinfo>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
<xs:element name="FilterType" nillable="true" type="tns:FilterType" />
<xs:simpleType name="MethodInstanceType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Finder">
      <xs:annotation>
        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
        </xs:appinfo>
      </xs:annotation>
    </xs:enumeration>

```



```

        <xs:enumeration value="SpecificFinder">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="GenericInvoker">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">4</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="IdEnumerator">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">5</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Scalar">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">6</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="AccessChecker">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">7</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Creator">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">8</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Updater">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">9</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Deleter">
            <xs:annotation>
                <xs:appinfo>

```

```

        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">10</EnumerationValue>
        </xs:appinfo>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="ChangedIdEnumerator">
        <xs:annotation>
            <xs:appinfo>
                <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">11</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="DeletedIdEnumerator">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">12</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="AssociationNavigator">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">13</EnumerationValue>
                        </xs:appinfo>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="Associator">
                    <xs:annotation>
                        <xs:appinfo>
                            <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">14</EnumerationValue>
                            </xs:appinfo>
                        </xs:annotation>
                    </xs:enumeration>
                    <xs:enumeration value="Disassociator">
                        <xs:annotation>
                            <xs:appinfo>
                                <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">15</EnumerationValue>
                                </xs:appinfo>
                            </xs:annotation>
                        </xs:enumeration>
                        <xs:enumeration value="StreamAccessor">
                            <xs:annotation>
                                <xs:appinfo>
                                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">16</EnumerationValue>
                                    </xs:appinfo>
                                </xs:annotation>
                            </xs:enumeration>
                            <xs:enumeration value="BinarySecurityDescriptorAccessor">
                                <xs:annotation>
                                    <xs:appinfo>
                                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">17</EnumerationValue>
                                        </xs:appinfo>
                                    </xs:annotation>
                                </xs:enumeration>

```

```

    </xs:enumeration>
    <xs:enumeration value="BulkSpecificFinder">
      <xs:annotation>
        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">20</EnumerationValue>
        </xs:appinfo>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="BulkAssociatedIdEnumerator">
      <xs:annotation>
        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">22</EnumerationValue>
        </xs:appinfo>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="BulkAssociationNavigator">
      <xs:annotation>
        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">23</EnumerationValue>
        </xs:appinfo>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="BulkIdEnumerator">
      <xs:annotation>
        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">24</EnumerationValue>
        </xs:appinfo>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
<xs:element name="MethodInstanceType" nillable="true" type="tns:MethodInstanceType" />
<xs:simpleType name="SystemType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Database">
      <xs:annotation>
        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
        </xs:appinfo>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="WebService">
      <xs:annotation>
        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
        </xs:appinfo>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Custom">
      <xs:annotation>
        <xs:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">6</EnumerationValue>

```

```

        </xs:appinfo>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="Wcf">
        <xs:annotation>
            <xs:appinfo>
                <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">8</EnumerationValue>
            </xs:appinfo>
        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="DotNetAssembly">
        <xs:annotation>
            <xs:appinfo>
                <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">9</EnumerationValue>
            </xs:appinfo>
        </xs:annotation>
    </xs:enumeration>
</xs:restriction>
</xs:simpleType>
<xs:element name="SystemType" nillable="true" type="tns:SystemType" />
<xs:simpleType name="DirectionType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="In">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Out">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="InOut">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">3</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Return">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">4</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
    </xs:restriction>
</xs:simpleType>
<xs:element name="DirectionType" nillable="true" type="tns:DirectionType" />

```

```

<xs:simpleType name="TypeDescriptorFlags">
  <xs:annotation>
    <xs:appinfo>
      <ActualType Name="short" Namespace="http://www.w3.org/2001/XMLSchema"
xmlns="http://schemas.microsoft.com/2003/10/Serialization/" />
    </xs:appinfo>
  </xs:annotation>
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">0</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="CreatorField">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="UpdaterField">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="PreUpdaterField">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">4</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="IsCollection">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">8</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="ReadOnly">
          <xs:annotation>
            <xs:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">16</EnumerationValue>
            </xs:appinfo>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Significant">

```

```

        <xs:annotation>
          <xs:appinfo>
            <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">32</EnumerationValue>
          </xs:appinfo>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:list>
</xs:simpleType>
<xs:element name="TypeDescriptorFlags" nillable="true" type="tns:TypeDescriptorFlags"
/>
</xs:schema>
<xs:schema xmlns:tns="http://schemas.datacontract.org/2004/07/System"
xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/System"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:complexType name="ArgumentException">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:SystemException" />
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="ArgumentException" nillable="true" type="tns:ArgumentException" />
  <xs:complexType name="SystemException">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:Exception" />
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="SystemException" nillable="true" type="tns:SystemException" />
  <xs:complexType name="Exception">
    <xs:sequence>
      <xs:any minOccurs="0" maxOccurs="unbounded" namespace="##local"
processContents="skip" />
    </xs:sequence>
    <xs:attribute ref="ser:FactoryType" />
  </xs:complexType>
  <xs:element name="Exception" nillable="true" type="tns:Exception" />
  <xs:complexType name="ArgumentNullException">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:ArgumentException" />
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="ArgumentNullException" nillable="true"
type="tns:ArgumentNullException" />
  <xs:complexType name="ArgumentOutOfRangeException">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:ArgumentException" />
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="ArgumentOutOfRangeException" nillable="true"
type="tns:ArgumentOutOfRangeException" />
  <xs:complexType name="InvalidOperationException">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:SystemException" />
    </xs:complexContent>
  </xs:complexType>

```

```

        <xs:element name="InvalidOperationException" nillable="true"
type="tns:InvalidOperationException" />
        <xs:complexType name="Version">
            <xs:sequence>
                <xs:element name="_Build" type="xs:int" />
                <xs:element name="_Major" type="xs:int" />
                <xs:element name="_Minor" type="xs:int" />
                <xs:element name="_Revision" type="xs:int" />
            </xs:sequence>
        </xs:complexType>
        <xs:element name="Version" nillable="true" type="tns:Version" />
    </xs:schema>
    <xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
        <xs:simpleType name="CacheUsage">
            <xs:restriction base="xs:string">
                <xs:enumeration value="Default" />
                <xs:enumeration value="Online" />
                <xs:enumeration value="Cached" />
                <xs:enumeration value="Offline" />
            </xs:restriction>
        </xs:simpleType>
        <xs:element name="CacheUsage" nillable="true" type="tns:CacheUsage" />
        <xs:complexType name="ProxyGenerationResult">
            <xs:sequence>
                <xs:element minOccurs="0" name="compiledBytes" nillable="true"
type="xs:base64Binary" />
                <xs:element minOccurs="0" name="fingerprint" nillable="true" type="xs:base64Binary"
/>
                <xs:element minOccurs="0" name="sourceCode" nillable="true" type="xs:string" />
            </xs:sequence>
        </xs:complexType>
        <xs:element name="ProxyGenerationResult" nillable="true"
type="tns:ProxyGenerationResult" />
    </xs:schema>
    <xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.Administ
ration.Client.Constants" elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.Ad
ministration.Client.Constants" xmlns:xs="http://www.w3.org/2001/XMLSchema">
        <xs:simpleType name="LobSystemConstants.LobSystemsInModelQuery">
            <xs:annotation>
                <xs:appinfo>
                    <ActualType Name="unsignedByte" Namespace="http://www.w3.org/2001/XMLSchema"
xmlns="http://schemas.microsoft.com/2003/10/Serialization/" />
                </xs:appinfo>
            </xs:annotation>
            <xs:restriction base="xs:string">
                <xs:enumeration value="AllLobSystemsInModel" />
                <xs:enumeration value="OwnedLobSystemsInModel" />
                <xs:enumeration value="SharedLobSystemsInModel" />
            </xs:restriction>
        </xs:simpleType>
        <xs:element name="LobSystemConstants.LobSystemsInModelQuery" nillable="true"
type="tns:LobSystemConstants.LobSystemsInModelQuery" />
        <xs:simpleType name="EntityConstants.EntitiesInModelQuery">
            <xs:restriction base="xs:string">

```

```

        <xs:enumeration value="AllEntitiesInModel" />
        <xs:enumeration value="OwnedEntitiesInModel" />
        <xs:enumeration value="SharedEntitiesInModel" />
    </xs:restriction>
</xs:simpleType>
<xs:element name="EntityConstants.EntitiesInModelQuery" nillable="true"
type="tns:EntityConstants.EntitiesInModelQuery" />
</xs:schema>
<xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:import namespace="http://schemas.datacontract.org/2004/07/System" />
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
    <xs:complexType name="BdcExceptionState">
        <xs:sequence>
            <xs:element minOccurs="0" name="InnerExceptionToStringed" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="InnerExceptionTypeFullName" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="Message" nillable="true" type="xs:string" />
            <xs:element minOccurs="0" name="ServerStackTrace" nillable="true" type="xs:string"
/>
        </xs:sequence>
    </xs:complexType>
    <xs:element name="BdcExceptionState" nillable="true" type="tns:BdcExceptionState" />
    <xs:complexType name="AccessDeniedExceptionState">
        <xs:complexContent mixed="false">
            <xs:extension base="tns:BdcExceptionState">
                <xs:sequence>
                    <xs:element minOccurs="1" maxOccurs="1" name="CurrentIdentity" type="xs:string"
/>
                    <xs:element minOccurs="1" maxOccurs="1" name="SecurableObjectName"
type="xs:string" />
                    <xs:element minOccurs="1" maxOccurs="1" name="SecurableObjectTypeName"
type="xs:string" />
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:element name="AccessDeniedExceptionState" nillable="true"
type="tns:AccessDeniedExceptionState" />
    <xs:complexType name="AccessDeniedException">
        <xs:complexContent mixed="false">
            <xs:extension base="tns:BdcException" />
        </xs:complexContent>
    </xs:complexType>
    <xs:element name="AccessDeniedException" nillable="true"
type="tns:AccessDeniedException" />
    <xs:complexType name="BdcException">
        <xs:complexContent mixed="false">
            <xs:extension xmlns:q1="http://schemas.datacontract.org/2004/07/System"
base="q1:Exception" />
        </xs:complexContent>
    </xs:complexType>
    <xs:element name="BdcException" nillable="true" type="tns:BdcException" />
    <xs:simpleType name="BdcRights">
        <xs:annotation>
            <xs:appinfo>

```



```

        <ActualType Name="long" Namespace="http://www.w3.org/2001/XMLSchema"
xmlns="http://schemas.microsoft.com/2003/10/Serialization/" />
    </xs:appinfo>
</xs:annotation>
<xs:list>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:enumeration value="None">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">0</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="Execute">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="Edit">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="SetPermissions">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">4</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="UseInBusinessDataInLists">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">8</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="SelectableInClients">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">16</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
        </xs:restriction>
    </xs:simpleType>
</xs:list>
</xs:simpleType>

```

```

        <xs:element name="BdcRights" nillable="true" type="tns:BdcRights" />
    </xs:schema>
</wsdl:types>
<wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAssociationReferencesForAssociationGroup" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_OutputMessage">
    <wsdl:part name="parameters"
element="tns:GetAssociationReferencesForAssociationGroupResponse" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q2="Microsoft.BusinessData.SharePoint" name="detail"
element="q2:MetadataException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q3="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q3:ArgumentNullException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q4="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q4:ArgumentOutOfRangeException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q5="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q5:BdcExceptionState" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q6="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q6:InvalidOperationException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_InputMessage">
    <wsdl:part name="parameters" element="tns:AddAssociationReferenceToAssociationGroup" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_OutputMessage">
    <wsdl:part name="parameters"
element="tns:AddAssociationReferenceToAssociationGroupResponse" />
</wsdl:message>

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```

    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_BdcException
StateFault_FaultMessage">
    <wsdl:part
xmlns:q7="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q7:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_MetadataExce
ptionStateFault_FaultMessage">
    <wsdl:part xmlns:q8="Microsoft.BusinessData.SharePoint" name="detail"
element="q8:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentExce
ptionFault_FaultMessage">
    <wsdl:part xmlns:q9="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q9:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentNull
ExceptionFault_FaultMessage">
    <wsdl:part xmlns:q10="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q10:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentOutO
fRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q11="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q11:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_InvalidOpera
tionExceptionFault_FaultMessage">
    <wsdl:part xmlns:q12="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q12:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_InputMe
ssage">
    <wsdl:part name="parameters" element="tns>DeleteAssociationReferenceFromAssociationGroup"
/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_OutputM
essage">
    <wsdl:part name="parameters"
element="tns>DeleteAssociationReferenceFromAssociationGroupResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_BdcExce
ptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q13="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q13:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_Invalid
OperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q14="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q14:InvalidOperationException" />
    </wsdl:message>

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```

    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_Argumen
tOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q15="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q15:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_Metadat
aExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q16="Microsoft.BusinessData.SharePoint" name="detail"
element="q16:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_Argumen
tExceptionFault_FaultMessage">
    <wsdl:part xmlns:q17="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q17:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_Argumen
tNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q18="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q18:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetXmlSchemaForView_InputMessage">
    <wsdl:part name="parameters" element="tns:GetXmlSchemaForView" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetXmlSchemaForView_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetXmlSchemaForViewResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetXmlSchemaForView_MetadataExceptionStateFault_FaultM
essage">
    <wsdl:part xmlns:q19="Microsoft.BusinessData.SharePoint" name="detail"
element="q19:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentNullExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q20="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q20:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentOutOfRangeExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q21="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q21:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentExceptionFault_FaultMessag
e">
    <wsdl:part xmlns:q22="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q22:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetXmlSchemaForView_InvalidOperationExceptionFault_Fau
ltMessage">
    <wsdl:part xmlns:q23="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q23:InvalidOperationException" />
    </wsdl:message>

```

```

    <wsdl:message
name="BusinessDataCatalogSharedService_GetXmlSchemaForView_BdcExceptionStateFault_FaultMessag
e">
    <wsdl:part
xmlns:q24="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q24:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetIdentifierById_InputMessage">
    <wsdl:part name="parameters" element="tns:GetIdentifierById" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetIdentifierById_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetIdentifierByIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifierById_ArgumentOutOfRangeExceptionFault_Fau
ltMessage">
    <wsdl:part xmlns:q25="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q25:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifierById_BdcExceptionStateFault_FaultMessage"
>
    <wsdl:part
xmlns:q26="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q26:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifierById_InvalidOperationExceptionFault_Fault
Message">
    <wsdl:part xmlns:q27="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q27:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifierById_MetadataExceptionStateFault_FaultMes
sage">
    <wsdl:part xmlns:q28="Microsoft.BusinessData.SharePoint" name="detail"
element="q28:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifierById_ArgumentExceptionFault_FaultMessage"
>
    <wsdl:part xmlns:q29="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q29:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifierById_ArgumentNullExceptionFault_FaultMess
age">
    <wsdl:part xmlns:q30="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q30:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_InputMessage">
    <wsdl:part name="parameters" element="tns:GetIdentifiersForEntity" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetIdentifiersForEntityResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentOutOfRangeExceptionFau
lt_FaultMessage">

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        <wsdl:part xmlns:q31="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q31:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_BdcExceptionStateFault_FaultMe
ssage">
        <wsdl:part
xmlns:q32="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q32:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_InvalidOperationExceptionFault
_FaultMessage">
        <wsdl:part xmlns:q33="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q33:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_MetadataExceptionStateFault_Fa
ultMessage">
        <wsdl:part xmlns:q34="Microsoft.BusinessData.SharePoint" name="detail"
element="q34:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentExceptionFault_FaultMe
ssage">
        <wsdl:part xmlns:q35="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q35:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentNullExceptionFault_Fau
ltMessage">
        <wsdl:part xmlns:q36="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q36:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetMethodById_InputMessage">
        <wsdl:part name="parameters" element="tns:GetMethodById" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetMethodById_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetMethodByIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodById_ArgumentOutOfRangeExceptionFault_FaultMe
ssage">
        <wsdl:part xmlns:q37="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q37:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodById_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q38="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q38:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodById_InvalidOperationExceptionFault_FaultMess
age">
        <wsdl:part xmlns:q39="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q39:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodById_MetadataExceptionStateFault_FaultMessage
">

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        <wsdl:part xmlns:q40="Microsoft.BusinessData.SharePoint" name="detail"
element="q40:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodById_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q41="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q41:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodById_ArgumentNullExceptionFault_FaultMessage"
>
        <wsdl:part xmlns:q42="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q42:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetMethodsForDataClass_InputMessage">
        <wsdl:part name="parameters" element="tns:GetMethodsForDataClass" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetMethodsForDataClass_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetMethodsForDataClassResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodsForDataClass_InvalidOperationExceptionFault_
FaultMessage">
        <wsdl:part xmlns:q43="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q43:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodsForDataClass_BdcExceptionStateFault_FaultMes
sage">
        <wsdl:part
xmlns:q44="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q44:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentOutOfRangeExceptionFault_
FaultMessage">
        <wsdl:part xmlns:q45="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q45:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodsForDataClass_MetadataExceptionStateFault_Fau
ltMessage">
        <wsdl:part xmlns:q46="Microsoft.BusinessData.SharePoint" name="detail"
element="q46:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentExceptionFault_FaultMes
sage">
        <wsdl:part xmlns:q47="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q47:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentNullExceptionFault_Faul
tMessage">
        <wsdl:part xmlns:q48="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q48:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_IsMethodInstantiated_InputMessage">
        <wsdl:part name="parameters" element="tns:IsMethodInstantiated" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_IsMethodInstantiated_OutputMessage">

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        <wsdl:part name="parameters" element="tns:IsMethodInstantiatedResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentOutOfRangeExceptionFault_
FaultMessage">
        <wsdl:part xmlns:q49="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q49:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsMethodInstantiated_BdcExceptionStateFault_FaultMessa
ge">
        <wsdl:part
xmlns:q50="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q50:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsMethodInstantiated_InvalidOperationExceptionFault_Fa
ultMessage">
        <wsdl:part xmlns:q51="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q51:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsMethodInstantiated_MetadataExceptionStateFault_Fault
Message">
        <wsdl:part xmlns:q52="Microsoft.BusinessData.SharePoint" name="detail"
element="q52:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentExceptionFault_FaultMessa
ge">
        <wsdl:part xmlns:q53="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q53:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentNullExceptionFault_FaultM
essage">
        <wsdl:part xmlns:q54="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q54:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetFilterDescriptorById_InputMessage">
        <wsdl:part name="parameters" element="tns:GetFilterDescriptorById" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetFilterDescriptorByIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentNullExceptionFault_Fau
ltMessage">
        <wsdl:part xmlns:q55="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q55:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_BdcExceptionStateFault_FaultMe
ssage">
        <wsdl:part
xmlns:q56="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q56:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_InvalidOperationExceptionFault_
FaultMessage">

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        <wsdl:part xmlns:q57="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q57:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_MetadataExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:q58="Microsoft.BusinessData.SharePoint" name="detail"
element="q58:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q59="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q59:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q60="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q60:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InputMessage">
        <wsdl:part name="parameters" element="tns:GetFilterDescriptorsForMethod" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetFilterDescriptorsForMethodResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_MetadataExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:q61="Microsoft.BusinessData.SharePoint" name="detail"
element="q61:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q62="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q62:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InvalidOperationExceptionFault_FaultMessage">
        <wsdl:part xmlns:q63="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q63:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q64="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q64:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q65="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q65:ArgumentNullException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q66="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q66:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetMethodInstanceById_InputMessage">
    <wsdl:part name="parameters" element="tns:GetMethodInstanceById" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetMethodInstanceById_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetMethodInstanceByIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstanceById_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q67="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q67:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstanceById_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q68="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q68:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstanceById_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q69="Microsoft.BusinessData.SharePoint" name="detail"
element="q69:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q70="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q70:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q71="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q71:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q72="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q72:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InputMessage">
    <wsdl:part name="parameters" element="tns:GetMethodInstancesForDataClass" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetMethodInstancesForDataClassResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentNullExceptionFault_FaultMessage">

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        <wsdl:part xmlns:q73="http://schemas.datacontract.org/2004/07/System" name="detail"
        element="q73:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_BdcExceptionStateFault_
    FaultMessage">
        <wsdl:part
        xmlns:q74="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
        name="detail" element="q74:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InvalidOperationExcepti
    onFault_FaultMessage">
        <wsdl:part xmlns:q75="http://schemas.datacontract.org/2004/07/System" name="detail"
        element="q75:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_MetadataExceptionStateF
    ault_FaultMessage">
        <wsdl:part xmlns:q76="Microsoft.BusinessData.SharePoint" name="detail"
        element="q76:MetadataException" />
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentExceptionFault_
    FaultMessage">
        <wsdl:part xmlns:q77="http://schemas.datacontract.org/2004/07/System" name="detail"
        element="q77:ArgumentException" />
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentOutOfRangeExceptionF
    ault_FaultMessage">
        <wsdl:part xmlns:q78="http://schemas.datacontract.org/2004/07/System" name="detail"
        element="q78:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_InputMessage">
        <wsdl:part name="parameters" element="tns:GetMethodInstancesForMethod" />
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetMethodInstancesForMethodResponse" />
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_BdcExceptionStateFault_Fau
    ltMessage">
        <wsdl:part
        xmlns:q79="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
        name="detail" element="q79:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_InvalidOperationExceptionF
    ault_FaultMessage">
        <wsdl:part xmlns:q80="http://schemas.datacontract.org/2004/07/System" name="detail"
        element="q80:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_MetadataExceptionStateFaul
    t_FaultMessage">
        <wsdl:part xmlns:q81="Microsoft.BusinessData.SharePoint" name="detail"
        element="q81:MetadataException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q82="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q82:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q83="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q83:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q84="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q84:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CheckPathInMethodInstances_InputMessage">
    <wsdl:part name="parameters" element="tns:CheckPathInMethodInstances" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CheckPathInMethodInstances_OutputMessage">
    <wsdl:part name="parameters" element="tns:CheckPathInMethodInstancesResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CheckPathInMethodInstances_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q85="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q85:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CheckPathInMethodInstances_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q86="Microsoft.BusinessData.SharePoint" name="detail"
element="q86:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CheckPathInMethodInstances_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q87="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q87:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CheckPathInMethodInstances_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q88="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q88:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetParameterById_InputMessage">
    <wsdl:part name="parameters" element="tns:GetParameterById" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetParameterById_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetParameterByIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParameterById_MetadataExceptionStateFault_FaultMessage">

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        <wsdl:part xmlns:q89="Microsoft.BusinessData.SharePoint" name="detail"
element="q89:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParameterById_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q90="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q90:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParameterById_InvalidOperationExceptionFault_FaultM
essage">
        <wsdl:part xmlns:q91="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q91:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParameterById_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q92="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q92:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParameterById_ArgumentNullExceptionFault_FaultMessa
ge">
        <wsdl:part xmlns:q93="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q93:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParameterById_ArgumentOutOfRangeExceptionFault_Faul
tMessage">
        <wsdl:part xmlns:q94="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q94:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetParametersForMethod_InputMessage">
        <wsdl:part name="parameters" element="tns:GetParametersForMethod" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetParametersForMethod_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetParametersForMethodResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentOutOfRangeExceptionFaul
t_FaultMessage">
        <wsdl:part xmlns:q95="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q95:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParametersForMethod_BdcExceptionStateFault_FaultMes
sage">
        <wsdl:part
xmlns:q96="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q96:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParametersForMethod_InvalidOperationExceptionFault_
FaultMessage">
        <wsdl:part xmlns:q97="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q97:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParametersForMethod_MetadataExceptionStateFault_Fau
ltMessage">
        <wsdl:part xmlns:q98="Microsoft.BusinessData.SharePoint" name="detail"
element="q98:MetadataException" />

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q99="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q99:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentNullExceptionFault_Faul
tMessage">
    <wsdl:part xmlns:q100="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q100:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InputMessage">
    <wsdl:part name="parameters" element="tns:IsParameterReferencedByMethodInstance" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_OutputMessage">
    <wsdl:part name="parameters" element="tns:IsParameterReferencedByMethodInstanceResponse"
/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentNullExce
ptionFault_FaultMessage">
    <wsdl:part xmlns:q101="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q101:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentExceptio
nFault_FaultMessage">
    <wsdl:part xmlns:q102="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q102:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_BdcExceptionStat
eFault_FaultMessage">
    <wsdl:part
xmlns:q103="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q103:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InvalidOperation
ExceptionFault_FaultMessage">
    <wsdl:part xmlns:q104="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q104:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentOutOfRan
geExceptionFault_FaultMessage">
    <wsdl:part xmlns:q105="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q105:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_MetadataExceptio
nStateFault_FaultMessage">
    <wsdl:part xmlns:q106="Microsoft.BusinessData.SharePoint" name="detail"
element="q106:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_InputMessage">
    <wsdl:part name="parameters" element="tns:GetTypeReflectorTypeNameForParameter" />

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetTypeReflectorTypeNameForParameterResponse"
/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q107="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q107:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q108="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q108:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q109="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q109:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q110="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q110:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q111="Microsoft.BusinessData.SharePoint" name="detail"
element="q111:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q112="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q112:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_InputMessage">
    <wsdl:part name="parameters"
element="tns:GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_OutputMessage">
    <wsdl:part name="parameters"
element="tns:GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q113="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q113:ArgumentException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q114="Microsoft.BusinessData.SharePoint" name="detail"
element="q114:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q115="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q115:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q116="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q116:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q117="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q117:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q118="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q118:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_InputMessage">
    <wsdl:part name="parameters" element="tns:GetFieldTypeDescriptorsByMethodInstance" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_OutputMessage">
    <wsdl:part name="parameters"
element="tns:GetFieldTypeDescriptorsByMethodInstanceResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q119="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q119:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q120="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q120:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q121="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q121:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_BdcExceptionStateFault_FaultMessage">

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    <wsdl:part
xmlns:q122="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q122:BdcExceptionState" />
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q123="Microsoft.BusinessData.SharePoint" name="detail"
element="q123:MetadataException" />
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q124="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q124:ArgumentNullException" />
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetTypeDescriptorById_InputMessage">
    <wsdl:part name="parameters" element="tns:GetTypeDescriptorById" />
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetTypeDescriptorById_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetTypeDescriptorByIdResponse" />
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorById_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q125="Microsoft.BusinessData.SharePoint" name="detail"
element="q125:MetadataException" />
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q126="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q126:ArgumentNullException" />
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q127="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q127:ArgumentOutOfRangeException" />
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q128="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q128:ArgumentException" />
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorById_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q129="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q129:InvalidOperationException" />
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorById_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q130="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q130:BdcExceptionState" />
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InputMessage">
    <wsdl:part name="parameters" element="tns:GetRootTypeDescriptorForParameter" />
  </wsdl:message>

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        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_OutputMessage">
            <wsdl:part name="parameters" element="tns:GetRootTypeDescriptorForParameterResponse" />
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_BdcExceptionStateFault_FaultMessage">
            <wsdl:part
xmlns:q131="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q131:BdcExceptionState" />
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentOutOfRangeExceptionFault_FaultMessage">
            <wsdl:part xmlns:q132="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q132:ArgumentOutOfRangeException" />
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InvalidOperationExceptionFault_FaultMessage">
            <wsdl:part xmlns:q133="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q133:InvalidOperationException" />
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_MetadataExceptionStateFault_FaultMessage">
            <wsdl:part xmlns:q134="Microsoft.BusinessData.SharePoint" name="detail"
element="q134:MetadataException" />
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentExceptionFault_FaultMessage">
            <wsdl:part xmlns:q135="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q135:ArgumentException" />
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentNullExceptionFault_FaultMessage">
            <wsdl:part xmlns:q136="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q136:ArgumentNullException" />
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_InputMessage">
            <wsdl:part name="parameters" element="tns:GetTypeDescriptorsByNameAndLevelForParameter"
/>
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_OutputMessage">
            <wsdl:part name="parameters"
element="tns:GetTypeDescriptorsByNameAndLevelForParameterResponse" />
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_MetadataExceptionStateFault_FaultMessage">
            <wsdl:part xmlns:q137="Microsoft.BusinessData.SharePoint" name="detail"
element="q137:MetadataException" />
        </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentE
xceptionFault_FaultMessage">
    <wsdl:part xmlns:q138="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q138:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentN
ullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q139="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q139:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentO
utOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q140="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q140:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_InvalidOp
erationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q141="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q141:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_BdcExcept
ionStateFault_FaultMessage">
    <wsdl:part
xmlns:q142="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q142:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_InputMessage"
>
    <wsdl:part name="parameters" element="tns:GetChildTypeDescriptorsForTypeDescriptor" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_OutputMessage"
">
    <wsdl:part name="parameters"
element="tns:GetChildTypeDescriptorsForTypeDescriptorResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_ArgumentExcep
tionFault_FaultMessage">
    <wsdl:part xmlns:q143="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q143:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_MetadataExcep
tionStateFault_FaultMessage">
    <wsdl:part xmlns:q144="Microsoft.BusinessData.SharePoint" name="detail"
element="q144:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_ArgumentNullE
xceptionFault_FaultMessage">
    <wsdl:part xmlns:q145="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q145:ArgumentNullException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_ArgumentOutOf
RangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q146="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q146:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_BdcExceptionS
tateFault_FaultMessage">
    <wsdl:part
xmlns:q147="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q147:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_InvalidOperat
ionExceptionFault_FaultMessage">
    <wsdl:part xmlns:q148="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q148:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InputMessage">
    <wsdl:part name="parameters" element="tns:GetTypeDescriptorsForFilterDescriptor" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetTypeDescriptorsForFilterDescriptorResponse"
/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_BdcExceptionStat
eFault_FaultMessage">
    <wsdl:part
xmlns:q149="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q149:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentNullExce
ptionFault_FaultMessage">
    <wsdl:part xmlns:q150="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q150:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentOutOfRan
geExceptionFault_FaultMessage">
    <wsdl:part xmlns:q151="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q151:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InvalidOperation
ExceptionFault_FaultMessage">
    <wsdl:part xmlns:q152="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q152:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_MetadataExceptio
nStateFault_FaultMessage">
    <wsdl:part xmlns:q153="Microsoft.BusinessData.SharePoint" name="detail"
element="q153:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentExceptio
nFault_FaultMessage">

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        <wsdl:part xmlns:q154="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q154:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InputMessage">
        <wsdl:part name="parameters" element="tns:GetDefaultValuesForTypeDescriptor" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetDefaultValuesForTypeDescriptorResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q155="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q155:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InvalidOperationExceptionFault_FaultMessage">
        <wsdl:part xmlns:q156="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q156:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q157="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q157:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q158="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q158:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q159="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q159:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_MetadataExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:q160="Microsoft.BusinessData.SharePoint" name="detail"
element="q160:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_InputMessage">
        <wsdl:part name="parameters" element="tns:SetDefaultValuesForTypeDescriptor" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_OutputMessage">
        <wsdl:part name="parameters" element="tns:SetDefaultValuesForTypeDescriptorResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q161="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q161:ArgumentException" />

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_MetadataExceptionSta
teFault_FaultMessage">
        <wsdl:part xmlns:q162="Microsoft.BusinessData.SharePoint" name="detail"
element="q162:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentNullExceptio
nFault_FaultMessage">
        <wsdl:part xmlns:q163="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q163:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentOutOfRangeEx
ceptionFault_FaultMessage">
        <wsdl:part xmlns:q164="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q164:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_BdcExceptionStateFau
lt_FaultMessage">
        <wsdl:part
xmlns:q165="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q165:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_InvalidOperationExce
ptionFault_FaultMessage">
        <wsdl:part xmlns:q166="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q166:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InputMessage">
        <wsdl:part name="parameters" element="tns>DeleteDefaultValueForTypeDescriptor" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_OutputMessage">
        <wsdl:part name="parameters" element="tns>DeleteDefaultValueForTypeDescriptorResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_BdcExceptionStateF
ault_FaultMessage">
        <wsdl:part
xmlns:q167="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q167:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_MetadataExceptionS
tateFault_FaultMessage">
        <wsdl:part xmlns:q168="Microsoft.BusinessData.SharePoint" name="detail"
element="q168:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentExceptionF
ault_FaultMessage">
        <wsdl:part xmlns:q169="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q169:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentNullExcept
ionFault_FaultMessage">

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        <wsdl:part xmlns:q170="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q170:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentOutOfRangeException_FaultMessage">
        <wsdl:part xmlns:q171="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q171:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InvalidOperationEx
ceptionFault_FaultMessage">
        <wsdl:part xmlns:q172="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q172:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_InputMessage">
        <wsdl:part name="parameters" element="tns:GetLevelForTypeDescriptor" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetLevelForTypeDescriptorResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_BdcExceptionStateFault_Fault
Message">
        <wsdl:part
xmlns:q173="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q173:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_InvalidOperationExceptionFau
lt_FaultMessage">
        <wsdl:part xmlns:q174="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q174:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentOutOfRangeExceptionF
ault_FaultMessage">
        <wsdl:part xmlns:q175="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q175:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_MetadataExceptionStateFault_
FaultMessage">
        <wsdl:part xmlns:q176="Microsoft.BusinessData.SharePoint" name="detail"
element="q176:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentExceptionFault_Fault
Message">
        <wsdl:part xmlns:q177="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q177:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentNullExceptionFault_F
aultMessage">
        <wsdl:part xmlns:q178="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q178:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_TypeDescriptorCreate_InputMessage">
        <wsdl:part name="parameters" element="tns:TypeDescriptorCreate" />

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</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_TypeDescriptorCreate_OutputMessage">
  <wsdl:part name="parameters" element="tns:TypeDescriptorCreateResponse" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorCreate_MetadataExceptionStateFault_Fault
Message">
  <wsdl:part xmlns:q179="Microsoft.BusinessData.SharePoint" name="detail"
element="q179:MetadataException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentNullExceptionFault_FaultM
essage">
  <wsdl:part xmlns:q180="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q180:ArgumentNullException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentOutOfRangeExceptionFault_
FaultMessage">
  <wsdl:part xmlns:q181="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q181:ArgumentOutOfRangeException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentExceptionFault_FaultMessa
ge">
  <wsdl:part xmlns:q182="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q182:ArgumentException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorCreate_InvalidOperationExceptionFault_Fa
ultMessage">
  <wsdl:part xmlns:q183="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q183:InvalidOperationException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorCreate_BdcExceptionStateFault_FaultMessa
ge">
  <wsdl:part
xmlns:q184="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q184:BdcExceptionState" />
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_InputMessage">
  <wsdl:part name="parameters" element="tns:TypeDescriptorMergeXml" />
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_OutputMessage">
  <wsdl:part name="parameters" element="tns:TypeDescriptorMergeXmlResponse" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentExceptionFault_FaultMes
sage">
  <wsdl:part xmlns:q185="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q185:ArgumentException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentNullExceptionFault_Faul
tMessage">
  <wsdl:part xmlns:q186="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q186:ArgumentNullException" />
</wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q187="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q187:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_PackageFormatExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q188="Microsoft.SharePoint.BusinessData" name="detail"
element="q188:PackageFormatExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q189="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q189:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q190="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q190:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q191="Microsoft.BusinessData.SharePoint" name="detail"
element="q191:MetadataException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_InputMessage">
    <wsdl:part name="parameters" element="tns:TypeDescriptorReadXml" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_OutputMessage">
    <wsdl:part name="parameters" element="tns:TypeDescriptorReadXmlResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_PackageFormatExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q192="Microsoft.SharePoint.BusinessData" name="detail"
element="q192:PackageFormatExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q193="Microsoft.BusinessData.SharePoint" name="detail"
element="q193:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q194="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q194:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q195="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q195:ArgumentException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentNullExceptionFault_Fault
Message">
    <wsdl:part xmlns:q196="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q196:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentOutOfRangeExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q197="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q197:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_InvalidOperationExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q198="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q198:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAssociationById_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAssociationById" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAssociationById_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAssociationByIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationById_MetadataExceptionStateFault_FaultMe
ssage">
    <wsdl:part xmlns:q199="Microsoft.BusinessData.SharePoint" name="detail"
element="q199:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationById_ArgumentExceptionFault_FaultMessage
">
    <wsdl:part xmlns:q200="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q200:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationById_ArgumentNullExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q201="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q201:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationById_ArgumentOutOfRangeExceptionFault_Fa
ultMessage">
    <wsdl:part xmlns:q202="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q202:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationById_BdcExceptionStateFault_FaultMessage
">
    <wsdl:part
xmlns:q203="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q203:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationById_InvalidOperationExceptionFault_Faul
tMessage">
    <wsdl:part xmlns:q204="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q204:InvalidOperationException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAssociationsForEntityAndRole" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAssociationsForEntityAndRoleResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_MetadataExceptionState
Fault_FaultMessage">
    <wsdl:part xmlns:q205="Microsoft.BusinessData.SharePoint" name="detail"
element="q205:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q206="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q206:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentNullExceptionF
ault_FaultMessage">
    <wsdl:part xmlns:q207="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q207:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentOutOfRangeExceptionExce
ptionFault_FaultMessage">
    <wsdl:part xmlns:q208="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q208:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_BdcExceptionStateFault
_FaultMessage">
    <wsdl:part
xmlns:q209="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q209:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InvalidOperationExcept
ionFault_FaultMessage">
    <wsdl:part xmlns:q210="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q210:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAssociationsForDataClass" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAssociationsForDataClassResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_MetadataExceptionStateFau
lt_FaultMessage">
    <wsdl:part xmlns:q211="Microsoft.BusinessData.SharePoint" name="detail"
element="q211:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_BdcExceptionStateFault_Fau
ltMessage">

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        <wsdl:part
xmlns:q212="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q212:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q213="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q213:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_InvalidOperationExceptionFault_FaultMessage">
        <wsdl:part xmlns:q214="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q214:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q215="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q215:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q216="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q216:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_InputMessage">
        <wsdl:part name="parameters" element="tns:GetAssociationsForMethod" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetAssociationsForMethodResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_MetadataExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:q217="Microsoft.BusinessData.SharePoint" name="detail"
element="q217:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q218="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q218:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q219="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q219:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q220="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q220:ArgumentOutOfRangeException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q221="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q221:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q222="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q222:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAssociationMembersInRole" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAssociationMembersInRoleResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q223="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q223:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q224="Microsoft.BusinessData.SharePoint" name="detail"
element="q224:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q225="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q225:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q226="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q226:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q227="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q227:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q228="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q228:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAssociationGroupById_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAssociationGroupById" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupId_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAssociationGroupIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupId_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q229="Microsoft.BusinessData.SharePoint" name="detail"
element="q229:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupId_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q230="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q230:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupId_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q231="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q231:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupId_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q232="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q232:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupId_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q233="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q233:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupId_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q234="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q234:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAssociationGroupsForEntity" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAssociationGroupsForEntityResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q235="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q235:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q236="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q236:InvalidOperationException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q237="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q237:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentNullExceptionFau
lt_FaultMessage">
    <wsdl:part xmlns:q238="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q238:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentOutOfRangeExceptionExcept
ionFault_FaultMessage">
    <wsdl:part xmlns:q239="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q239:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_MetadataExceptionStateFa
ult_FaultMessage">
    <wsdl:part xmlns:q240="Microsoft.BusinessData.SharePoint" name="detail"
element="q240:MetadataException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_RemoveEntityFromModel_InputMessage">
    <wsdl:part name="parameters" element="tns:RemoveEntityFromModel" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_RemoveEntityFromModel_OutputMessage">
    <wsdl:part name="parameters" element="tns:RemoveEntityFromModelResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentNullExceptionFault_Fault
Message">
    <wsdl:part xmlns:q241="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q241:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentOutOfRangeExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q242="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q242:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveEntityFromModel_BdcExceptionStateFault_FaultMess
age">
    <wsdl:part
xmlns:q243="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q243:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveEntityFromModel_InvalidOperationExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q244="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q244:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveEntityFromModel_MetadataExceptionStateFault_Faul
tMessage">
    <wsdl:part xmlns:q245="Microsoft.BusinessData.SharePoint" name="detail"
element="q245:MetadataException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentExceptionFault_FaultMess
age">
    <wsdl:part xmlns:q246="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q246:ArgumentException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_DeleteNoCascade_InputMessage">
    <wsdl:part name="parameters" element="tns>DeleteNoCascade" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_DeleteNoCascade_OutputMessage">
    <wsdl:part name="parameters" element="tns>DeleteNoCascadeResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteNoCascade_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q247="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q247:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentOutOfRangeExceptionFault_Fault
Message">
    <wsdl:part xmlns:q248="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q248:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteNoCascade_InvalidOperationExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q249="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q249:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteNoCascade_MetadataExceptionStateFault_FaultMessa
ge">
    <wsdl:part xmlns:q250="Microsoft.BusinessData.SharePoint" name="detail"
element="q250:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q251="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q251:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentNullExceptionFault_FaultMessag
e">
    <wsdl:part xmlns:q252="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q252:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ModelReadXml_InputMessage">
    <wsdl:part name="parameters" element="tns:ModelReadXml" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ModelReadXml_OutputMessage">
    <wsdl:part name="parameters" element="tns:ModelReadXmlResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q253="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q253:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_MetadataExceptionStateFault_FaultMessage"
>

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        <wsdl:part xmlns:q254="Microsoft.BusinessData.SharePoint" name="detail"
element="q254:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_ArgumentOutOfRangeExceptionFault_FaultMes
sage">
        <wsdl:part xmlns:q255="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q255:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_PackageFormatExceptionStateFault_FaultMes
sage">
        <wsdl:part xmlns:q256="Microsoft.SharePoint.BusinessData" name="detail"
element="q256:PackageFormatExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q257="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q257:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q258="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q258:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_InvalidOperationExceptionFault_FaultMessa
ge">
        <wsdl:part xmlns:q259="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q259:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_InputMessa
ge">
        <wsdl:part name="parameters" element="tns:GetLobSystemProxyAssemblyBytesByLobSystemId" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_OutputMess
age">
        <wsdl:part name="parameters"
element="tns:GetLobSystemProxyAssemblyBytesByLobSystemIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_ArgumentEx
ceptionFault_FaultMessage">
        <wsdl:part xmlns:q260="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q260:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_ArgumentOu
tOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q261="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q261:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_BdcExcepti
onStateFault_FaultMessage">
        <wsdl:part
xmlns:q262="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q262:BdcExceptionState" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_InvalidOperationFault_FaultMessage">
    <wsdl:part xmlns:q263="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q263:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q264="Microsoft.BusinessData.SharePoint" name="detail"
element="q264:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q265="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q265:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InputMessage">
    <wsdl:part name="parameters" element="tns:GetLobSystemAllAssembliesBytes" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetLobSystemAllAssembliesBytesResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q266="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q266:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q267="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q267:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q268="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q268:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q269="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q269:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q270="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q270:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q271="Microsoft.BusinessData.SharePoint" name="detail"
element="q271:MetadataException" />

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InputMessage">
      <wsdl:part name="parameters" element="tns:GetLobSystemDataByLobSystem" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_OutputMessage">
      <wsdl:part name="parameters" element="tns:GetLobSystemDataByLobSystemResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentNullExceptionFault_FaultMessage">
      <wsdl:part xmlns:q272="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q272:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentOutOfRangeExceptionFault_FaultMessage">
      <wsdl:part xmlns:q273="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q273:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_BdcExceptionStateFault_FaultMessage">
      <wsdl:part
xmlns:q274="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q274:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InvalidOperationExceptionFault_FaultMessage">
      <wsdl:part xmlns:q275="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q275:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_MetadataExceptionStateFault_FaultMessage">
      <wsdl:part xmlns:q276="Microsoft.BusinessData.SharePoint" name="detail"
element="q276:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentExceptionFault_FaultMessage">
      <wsdl:part xmlns:q277="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q277:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_InputMessage">
      <wsdl:part name="parameters" element="tns:SetLobSystemDataByLobSystemId" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_OutputMessage">
      <wsdl:part name="parameters" element="tns:SetLobSystemDataByLobSystemIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_BdcExceptionStateFault_FaultMessage">
      <wsdl:part
xmlns:q278="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q278:BdcExceptionState" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q279="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q279:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentNullExceptionFau
lt_FaultMessage">
    <wsdl:part xmlns:q280="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q280:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentOutOfRangeExceptionExcept
ionFault_FaultMessage">
    <wsdl:part xmlns:q281="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q281:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_InvalidOperationExceptio
nFault_FaultMessage">
    <wsdl:part xmlns:q282="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q282:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_MetadataExceptionStateFa
ult_FaultMessage">
    <wsdl:part xmlns:q283="Microsoft.BusinessData.SharePoint" name="detail"
element="q283:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_I
nputMessage">
    <wsdl:part name="parameters"
element="tns:GetLobSystemsReferencedByEntitiesAssociatedWithModel" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_O
utputMessage">
    <wsdl:part name="parameters"
element="tns:GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_A
rgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q284="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q284:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_A
rgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q285="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q285:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_B
dcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q286="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q286:BdcExceptionState" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_I
nvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q287="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q287:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_M
etadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q288="Microsoft.BusinessData.SharePoint" name="detail"
element="q288:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_A
rgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q289="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q289:ArgumentException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetLobSystemByName_InputMessage">
    <wsdl:part name="parameters" element="tns:GetLobSystemByName" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetLobSystemByName_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetLobSystemByNameResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemByName_BdcExceptionStateFault_FaultMessage
">
    <wsdl:part
xmlns:q290="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q290:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentOutOfRangeExceptionFault_Fa
ultMessage">
    <wsdl:part xmlns:q291="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q291:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemByName_InvalidOperationExceptionFault_Faul
tMessage">
    <wsdl:part xmlns:q292="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q292:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemByName_MetadataExceptionStateFault_FaultMe
ssage">
    <wsdl:part xmlns:q293="Microsoft.BusinessData.SharePoint" name="detail"
element="q293:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentExceptionFault_FaultMessage
">
    <wsdl:part xmlns:q294="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q294:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentNullExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q295="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q295:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_InputMessage">

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        <wsdl:part name="parameters" element="tns:GetLobSystemsLikeName" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetLobSystemsLikeNameResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_BdcExceptionStateFault_FaultMess
age">
        <wsdl:part
xmlns:q296="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q296:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_InvalidOperationExceptionFault_F
aultMessage">
        <wsdl:part xmlns:q297="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q297:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_MetadataExceptionStateFault_Faul
tMessage">
        <wsdl:part xmlns:q298="Microsoft.BusinessData.SharePoint" name="detail"
element="q298:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentExceptionFault_FaultMess
age">
        <wsdl:part xmlns:q299="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q299:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentNullExceptionFault_Fault
Message">
        <wsdl:part xmlns:q300="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q300:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentOutOfRangeExceptionFault
_FaultMessage">
        <wsdl:part xmlns:q301="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q301:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetLobSystemById_InputMessage">
        <wsdl:part name="parameters" element="tns:GetLobSystemById" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetLobSystemById_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetLobSystemByIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemById_ArgumentNullExceptionFault_FaultMessa
ge">
        <wsdl:part xmlns:q302="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q302:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemById_ArgumentOutOfRangeExceptionFault_Faul
tMessage">
        <wsdl:part xmlns:q303="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q303:ArgumentOutOfRangeException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemById_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q304="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q304:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemById_InvalidOperationExceptionFault_FaultM
essage">
    <wsdl:part xmlns:q305="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q305:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemById_MetadataExceptionStateFault_FaultMess
age">
    <wsdl:part xmlns:q306="Microsoft.BusinessData.SharePoint" name="detail"
element="q306:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemById_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q307="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q307:ArgumentException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetEntityCount_InputMessage">
    <wsdl:part name="parameters" element="tns:GetEntityCount" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetEntityCount_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetEntityCountResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityCount_ArgumentNullExceptionFault_FaultMessage
">
    <wsdl:part xmlns:q308="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q308:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityCount_ArgumentOutOfRangeExceptionFault_FaultM
essage">
    <wsdl:part xmlns:q309="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q309:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityCount_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q310="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q310:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityCount_InvalidOperationExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q311="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q311:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityCount_MetadataExceptionStateFault_FaultMessag
e">
    <wsdl:part xmlns:q312="Microsoft.BusinessData.SharePoint" name="detail"
element="q312:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityCount_ArgumentExceptionFault_FaultMessage">

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        <wsdl:part xmlns:q313="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q313:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InputMessage">
        <wsdl:part name="parameters" element="tns:GetSystemUtilityTypeNameForLobSystem" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetSystemUtilityTypeNameForLobSystemResponse"
/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentNullExcep
tionFault_FaultMessage">
        <wsdl:part xmlns:q314="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q314:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentOutOfRang
eExceptionFault_FaultMessage">
        <wsdl:part xmlns:q315="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q315:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_BdcExceptionState
Fault_FaultMessage">
        <wsdl:part
xmlns:q316="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q316:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InvalidOperationE
xceptionFault_FaultMessage">
        <wsdl:part xmlns:q317="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q317:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_MetadataException
StateFault_FaultMessage">
        <wsdl:part xmlns:q318="Microsoft.BusinessData.SharePoint" name="detail"
element="q318:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentException
Fault_FaultMessage">
        <wsdl:part xmlns:q319="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q319:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InputMessage">
        <wsdl:part name="parameters" element="tns:GenerateProxyAssemblyForLobSystem" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_OutputMessage">
        <wsdl:part name="parameters" element="tns:GenerateProxyAssemblyForLobSystemResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_BdcExceptionStateFau
lt_FaultMessage">

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        <wsdl:part
xmlns:q320="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q320:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q321="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q321:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q322="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q322:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q323="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q323:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InvalidOperationExce
ptionFault_FaultMessage">
        <wsdl:part xmlns:q324="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q324:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_MetadataExceptionSta
teFault_FaultMessage">
        <wsdl:part xmlns:q325="Microsoft.BusinessData.SharePoint" name="detail"
element="q325:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InputMessage">
        <wsdl:part name="parameters" element="tns:DeleteProxyAssemblyForLobSystem" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_OutputMessage">
        <wsdl:part name="parameters" element="tns:DeleteProxyAssemblyForLobSystemResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentNullExceptionF
ault_FaultMessage">
        <wsdl:part xmlns:q326="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q326:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q327="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q327:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_BdcExceptionStateFault
_FaultMessage">
        <wsdl:part
xmlns:q328="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q328:BdcExceptionState" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InvalidOperationExcept
ionFault_FaultMessage">
    <wsdl:part xmlns:q329="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q329:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_MetadataExceptionState
Fault_FaultMessage">
    <wsdl:part xmlns:q330="Microsoft.BusinessData.SharePoint" name="detail"
element="q330:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q331="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q331:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InputMessage">
    <wsdl:part name="parameters" element="tns:GetLobSystemInstancesForLobSystem" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetLobSystemInstancesForLobSystemResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_BdcExceptionStateFau
lt_FaultMessage">
    <wsdl:part
xmlns:q332="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q332:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentOutOfRangeEx
ceptionFault_FaultMessage">
    <wsdl:part xmlns:q333="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q333:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InvalidOperationExce
ptionFault_FaultMessage">
    <wsdl:part xmlns:q334="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q334:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_MetadataExceptionSta
teFault_FaultMessage">
    <wsdl:part xmlns:q335="Microsoft.BusinessData.SharePoint" name="detail"
element="q335:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentExceptionFau
lt_FaultMessage">
    <wsdl:part xmlns:q336="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q336:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentNullExceptio
nFault_FaultMessage">
    <wsdl:part xmlns:q337="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q337:ArgumentNullException" />

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_InputMessage">
    <wsdl:part name="parameters" element="tns:GetLobSystemInstanceById" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetLobSystemInstanceByIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_BdcExceptionStateFault_FaultM
essage">
    <wsdl:part
xmlns:q338="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q338:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_MetadataExceptionStateFault_F
aultMessage">
    <wsdl:part xmlns:q339="Microsoft.BusinessData.SharePoint" name="detail"
element="q339:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentExceptionFault_FaultM
essage">
    <wsdl:part xmlns:q340="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q340:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentNullExceptionFault_Fa
ultMessage">
    <wsdl:part xmlns:q341="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q341:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentOutOfRangeExceptionFa
ult_FaultMessage">
    <wsdl:part xmlns:q342="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q342:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_InvalidOperationExceptionFaul
t_FaultMessage">
    <wsdl:part xmlns:q343="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q343:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetDataClassesForSystem_InputMessage">
    <wsdl:part name="parameters" element="tns:GetDataClassesForSystem" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetDataClassesForSystemResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentNullExceptionFault_Fau
ltMessage">
    <wsdl:part xmlns:q344="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q344:ArgumentNullException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q345="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q345:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q346="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q346:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q347="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q347:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q348="Microsoft.BusinessData.SharePoint" name="detail"
element="q348:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q349="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q349:ArgumentException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetDataClassById_InputMessage">
    <wsdl:part name="parameters" element="tns:GetDataClassById" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetDataClassById_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetDataClassByIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassById_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q350="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q350:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassById_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q351="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q351:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassById_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q352="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q352:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassById_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q353="Microsoft.BusinessData.SharePoint" name="detail"
element="q353:MetadataException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassById_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q354="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q354:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassById_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q355="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q355:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InputMessage">
    <wsdl:part name="parameters" element="tns:GetEntitiesReferencedByModelId" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetEntitiesReferencedByModelIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q356="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q356:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q357="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q357:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q358="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q358:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q359="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q359:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q360="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q360:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q361="Microsoft.BusinessData.SharePoint" name="detail"
element="q361:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InputMessage">
    <wsdl:part name="parameters" element="tns:GetEntitiesLikeNameAndNamespace" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_OutputMessage">

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        <wsdl:part name="parameters" element="tns:GetEntitiesLikeNameAndNamespaceResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q362="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q362:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q363="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q363:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q364="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q364:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InvalidOperationExcept
ionFault_FaultMessage">
        <wsdl:part xmlns:q365="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q365:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_MetadataExceptionState
Fault_FaultMessage">
        <wsdl:part xmlns:q366="Microsoft.BusinessData.SharePoint" name="detail"
element="q366:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentExceptionFault
_FaultMessage">
        <wsdl:part xmlns:q367="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q367:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InputMessage">
        <wsdl:part name="parameters" element="tns:GetEntityWithNameAndNamespace" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetEntityWithNameAndNamespaceResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_BdcExceptionStateFault_F
aultMessage">
        <wsdl:part
xmlns:q368="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q368:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentOutOfRangeExceptionExcept
ionFault_FaultMessage">
        <wsdl:part xmlns:q369="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q369:ArgumentOutOfRangeException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InvalidOperationExceptio
nFault_FaultMessage">
    <wsdl:part xmlns:q370="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q370:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_MetadataExceptionStateFa
ult_FaultMessage">
    <wsdl:part xmlns:q371="Microsoft.BusinessData.SharePoint" name="detail"
element="q371:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q372="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q372:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentNullExceptionFau
lt_FaultMessage">
    <wsdl:part xmlns:q373="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q373:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_InputMessage">
    <wsdl:part name="parameters" element="tns:GetEntityWithNameAndNamespaceAndVersion" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_OutputMessage"
>
    <wsdl:part name="parameters"
element="tns:GetEntityWithNameAndNamespaceAndVersionResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_ArgumentNullEx
ceptionFault_FaultMessage">
    <wsdl:part xmlns:q374="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q374:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_ArgumentExcept
ionFault_FaultMessage">
    <wsdl:part xmlns:q375="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q375:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_ArgumentOutOfR
angeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q376="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q376:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_BdcExceptionSt
ateFault_FaultMessage">
    <wsdl:part
xmlns:q377="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q377:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_InvalidOperati
onExceptionFault_FaultMessage">

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        <wsdl:part xmlns:q378="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q378:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_MetadataExcept
ionStateFault_FaultMessage">
        <wsdl:part xmlns:q379="Microsoft.BusinessData.SharePoint" name="detail"
element="q379:MetadataException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetEntitiesForSystem_InputMessage">
        <wsdl:part name="parameters" element="tns:GetEntitiesForSystem" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetEntitiesForSystem_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetEntitiesForSystemResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentOutOfRangeExceptionFault_
FaultMessage">
        <wsdl:part xmlns:q380="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q380:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForSystem_BdcExceptionStateFault_FaultMessa
ge">
        <wsdl:part
xmlns:q381="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q381:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForSystem_InvalidOperationExceptionFault_Fa
ultMessage">
        <wsdl:part xmlns:q382="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q382:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForSystem_MetadataExceptionStateFault_Fault
Message">
        <wsdl:part xmlns:q383="Microsoft.BusinessData.SharePoint" name="detail"
element="q383:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentExceptionFault_FaultMessa
ge">
        <wsdl:part xmlns:q384="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q384:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentNullExceptionFault_FaultM
essage">
        <wsdl:part xmlns:q385="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q385:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InputMessage">
        <wsdl:part name="parameters" element="tns:GetEntitiesForAssociationAndRole" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetEntitiesForAssociationAndRoleResponse" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentOutOfRangeExceptionExc
ptionFault_FaultMessage">
    <wsdl:part xmlns:q386="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q386:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_BdcExceptionStateFault
_FaultMessage">
    <wsdl:part
xmlns:q387="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q387:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InvalidOperationExcep
tionFault_FaultMessage">
    <wsdl:part xmlns:q388="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q388:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_MetadataExceptionStat
eFault_FaultMessage">
    <wsdl:part xmlns:q389="Microsoft.BusinessData.SharePoint" name="detail"
element="q389:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q390="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q390:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentNullException
Fault_FaultMessage">
    <wsdl:part xmlns:q391="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q391:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_InputMessage">
    <wsdl:part name="parameters" element="tns:SetDefaultActionForEntity" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_OutputMessage">
    <wsdl:part name="parameters" element="tns:SetDefaultActionForEntityResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentOutOfRangeExceptionF
ault_FaultMessage">
    <wsdl:part xmlns:q392="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q392:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_BdcExceptionStateFault_Fault
Message">
    <wsdl:part
xmlns:q393="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q393:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_InvalidOperationExceptionFau
lt_FaultMessage">

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        <wsdl:part xmlns:q394="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q394:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_MetadataExceptionStateFault_
FaultMessage">
        <wsdl:part xmlns:q395="Microsoft.BusinessData.SharePoint" name="detail"
element="q395:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentExceptionFault_Fault
Message">
        <wsdl:part xmlns:q396="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q396:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentNullExceptionFault_F
aultMessage">
        <wsdl:part xmlns:q397="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q397:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_InputM
essage">
        <wsdl:part name="parameters"
element="tns:GetEntityNameAndNamespacesForAssociationAndRole" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_Output
Message">
        <wsdl:part name="parameters"
element="tns:GetEntityNameAndNamespacesForAssociationAndRoleResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_Invali
dOperationExceptionFault_FaultMessage">
        <wsdl:part xmlns:q398="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q398:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_BdcExc
eptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q399="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q399:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_Argume
ntOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q400="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q400:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_Metada
taExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:q401="Microsoft.BusinessData.SharePoint" name="detail"
element="q401:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_Argume
ntExceptionFault_FaultMessage">

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        <wsdl:part xmlns:q402="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q402:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_Argume
ntNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q403="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q403:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetEntityById_InputMessage">
        <wsdl:part name="parameters" element="tns:GetEntityById" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetEntityById_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetEntityByIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityById_ArgumentOutOfRangeExceptionFault_FaultMe
ssage">
        <wsdl:part xmlns:q404="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q404:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityById_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q405="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q405:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityById_InvalidOperationExceptionFault_FaultMess
age">
        <wsdl:part xmlns:q406="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q406:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityById_MetadataExceptionStateFault_FaultMessage
">
        <wsdl:part xmlns:q407="Microsoft.BusinessData.SharePoint" name="detail"
element="q407:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityById_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q408="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q408:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityById_ArgumentNullExceptionFault_FaultMessage"
>
        <wsdl:part xmlns:q409="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q409:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_EntityCreate_InputMessage">
        <wsdl:part name="parameters" element="tns:EntityCreate" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_EntityCreate_OutputMessage">
        <wsdl:part name="parameters" element="tns:EntityCreateResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q410="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q410:ArgumentException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q411="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q411:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q412="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q412:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_MetadataExceptionStateFault_FaultMessage">
    </wsdl:message>
    <wsdl:part xmlns:q413="Microsoft.BusinessData.SharePoint" name="detail"
element="q413:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_PackageFormatExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q414="Microsoft.SharePoint.BusinessData" name="detail"
element="q414:PackageFormatException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q415="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q415:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q416="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q416:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_Activate_InputMessage">
    <wsdl:part name="parameters" element="tns:Activate" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_Activate_OutputMessage">
    <wsdl:part name="parameters" element="tns:ActivateResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Activate_PackageFormatExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q417="Microsoft.SharePoint.BusinessData" name="detail"
element="q417:PackageFormatException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Activate_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q418="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q418:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Activate_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q419="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q419:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Activate_MetadataExceptionStateFault_FaultMessage">

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        <wsdl:part xmlns:q420="Microsoft.BusinessData.SharePoint" name="detail"
element="q420:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Activate_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q421="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q421:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Activate_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q422="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q422:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Activate_ArgumentOutOfRangeExceptionFault_FaultMessage
">
        <wsdl:part xmlns:q423="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q423:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_Deactivate_InputMessage">
        <wsdl:part name="parameters" element="tns:Deactivate" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_Deactivate_OutputMessage">
        <wsdl:part name="parameters" element="tns:DeactivateResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q424="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q424:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_InvalidOperationExceptionFault_FaultMessage
">
        <wsdl:part xmlns:q425="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q425:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_MetadataExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:q426="Microsoft.BusinessData.SharePoint" name="detail"
element="q426:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_PackageFormatExceptionStateFault_FaultMessa
ge">
        <wsdl:part xmlns:q427="Microsoft.SharePoint.BusinessData" name="detail"
element="q427:PackageFormatExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q428="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q428:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q429="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q429:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_ArgumentOutOfRangeExceptionFault_FaultMessa
ge">

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        <wsdl:part xmlns:q430="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q430:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InputMessage">
        <wsdl:part name="parameters" element="tns:BulkSwitchActiveOrValidate" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_OutputMessage">
        <wsdl:part name="parameters" element="tns:BulkSwitchActiveOrValidateResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q431="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q431:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InvalidOperationExceptionFault_FaultMessage">
        <wsdl:part xmlns:q432="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q432:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_MetadataExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:q433="Microsoft.BusinessData.SharePoint" name="detail"
element="q433:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_PackageFormatExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:q434="Microsoft.SharePoint.BusinessData" name="detail"
element="q434:PackageFormatException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q435="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q435:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q436="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q436:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q437="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q437:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetActionById_InputMessage">
        <wsdl:part name="parameters" element="tns:GetActionById" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetActionById_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetActionByIdResponse" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionById_ArgumentNullExceptionFault_FaultMessage"
>
    <wsdl:part xmlns:q438="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q438:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionById_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q439="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q439:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionById_InvalidOperationExceptionFault_FaultMess
age">
    <wsdl:part xmlns:q440="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q440:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionById_MetadataExceptionStateFault_FaultMessage
">
    <wsdl:part xmlns:q441="Microsoft.BusinessData.SharePoint" name="detail"
element="q441:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionById_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q442="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q442:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionById_ArgumentOutOfRangeExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q443="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q443:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetActionsForEntity_InputMessage">
    <wsdl:part name="parameters" element="tns:GetActionsForEntity" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetActionsForEntity_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetActionsForEntityResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionsForEntity_InvalidOperationExceptionFault_Fau
ltMessage">
    <wsdl:part xmlns:q444="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q444:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionsForEntity_BdcExceptionStateFault_FaultMessag
e">
    <wsdl:part
xmlns:q445="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q445:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentOutOfRangeExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q446="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q446:ArgumentOutOfRangeException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionsForEntity_MetadataExceptionStateFault_FaultM
essage">
    <wsdl:part xmlns:q447="Microsoft.BusinessData.SharePoint" name="detail"
element="q447:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentExceptionFault_FaultMessag
e">
    <wsdl:part xmlns:q448="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q448:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentNullExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q449="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q449:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetActionParameterById_InputMessage">
    <wsdl:part name="parameters" element="tns:GetActionParameterById" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetActionParameterById_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetActionParameterByIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParameterById_ArgumentOutOfRangeExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q450="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q450:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParameterById_BdcExceptionStateFault_FaultMes
sage">
    <wsdl:part
xmlns:q451="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q451:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParameterById_InvalidOperationExceptionFault_
FaultMessage">
    <wsdl:part xmlns:q452="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q452:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParameterById_MetadataExceptionStateFault_Fau
ltMessage">
    <wsdl:part xmlns:q453="Microsoft.BusinessData.SharePoint" name="detail"
element="q453:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParameterById_ArgumentExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q454="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q454:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParameterById_ArgumentNullExceptionFault_Faul
tMessage">
    <wsdl:part xmlns:q455="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q455:ArgumentNullException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_InputMessage">
    <wsdl:part name="parameters" element="tns:GetActionParametersForAction" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetActionParametersForActionResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q456="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q456:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q457="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q457:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q458="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q458:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q459="Microsoft.BusinessData.SharePoint" name="detail"
element="q459:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q460="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q460:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q461="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q461:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetServiceApplicationId_InputMessage">
    <wsdl:part name="parameters" element="tns:GetServiceApplicationId" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetServiceApplicationId_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetServiceApplicationIdResponse" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAllPartitionIds_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAllPartitionIds" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAllPartitionIds_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAllPartitionIdsResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPartitionIds_AccessDeniedExceptionFault_FaultMessage">

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        <wsdl:part
xmlns:q462="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q462:AccessDeniedException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPartitionIds_InvalidOperationExceptionFault_FaultMe
tMessage">
        <wsdl:part xmlns:q463="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q463:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPartitionIds_MetadataExceptionStateFault_FaultMe
ssage">
        <wsdl:part xmlns:q464="Microsoft.BusinessData.SharePoint" name="detail"
element="q464:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPartitionIds_BdcExceptionStateFault_FaultMessage
">
        <wsdl:part
xmlns:q465="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q465:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ReadSlicedXml_InputMessage">
        <wsdl:part name="parameters" element="tns:ReadSlicedXml" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ReadSlicedXml_OutputMessage">
        <wsdl:part name="parameters" element="tns:ReadSlicedXmlResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_InvalidOperationExceptionFault_FaultMess
age">
        <wsdl:part xmlns:q466="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q466:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentOutOfRangeExceptionFault_FaultMe
ssage">
        <wsdl:part xmlns:q467="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q467:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q468="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q468:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_MetadataExceptionStateFault_FaultMessage
">
        <wsdl:part xmlns:q469="Microsoft.BusinessData.SharePoint" name="detail"
element="q469:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q470="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q470:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentNullExceptionFault_FaultMessage"
>

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        <wsdl:part xmlns:q471="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q471:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_PackageFormatExceptionStateFault_FaultMe
ssage">
        <wsdl:part xmlns:q472="Microsoft.SharePoint.BusinessData" name="detail"
element="q472:PackageFormatExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_AccessDeniedExceptionFault_FaultMessage"
>
        <wsdl:part
xmlns:q473="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q473:AccessDeniedException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_WriteSlicedXml_InputMessage">
        <wsdl:part name="parameters" element="tns:WriteSlicedXml" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_WriteSlicedXml_OutputMessage">
        <wsdl:part name="parameters" element="tns:WriteSlicedXmlResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_PackageFormatExceptionStateFault_FaultM
essage">
        <wsdl:part xmlns:q474="Microsoft.SharePoint.BusinessData" name="detail"
element="q474:PackageFormatExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentOutOfRangeExceptionFault_FaultM
essage">
        <wsdl:part xmlns:q475="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q475:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q476="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q476:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_AccessDeniedExceptionFault_FaultMessage
">
        <wsdl:part
xmlns:q477="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q477:AccessDeniedException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_MetadataExceptionStateFault_FaultMessag
e">
        <wsdl:part xmlns:q478="Microsoft.BusinessData.SharePoint" name="detail"
element="q478:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q479="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q479:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentNullExceptionFault_FaultMessage
">

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        <wsdl:part xmlns:q480="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q480:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_InvalidOperationExceptionFault_FaultMes
sage">
        <wsdl:part xmlns:q481="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q481:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_HaveRights_InputMessage">
        <wsdl:part name="parameters" element="tns:HaveRights" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_HaveRights_OutputMessage">
        <wsdl:part name="parameters" element="tns:HaveRightsResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_HaveRights_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q482="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q482:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_HaveRights_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q483="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q483:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_HaveRights_InvalidOperationExceptionFault_FaultMessage
">
        <wsdl:part xmlns:q484="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q484:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_HaveRights_MetadataExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:q485="Microsoft.BusinessData.SharePoint" name="detail"
element="q485:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_HaveRights_ArgumentOutOfRangeExceptionFault_FaultMessa
ge">
        <wsdl:part xmlns:q486="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q486:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_HaveRights_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q487="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q487:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_InputMessa
ge">
        <wsdl:part name="parameters" element="tns:GetAllLocalizedNamesForMetadataObjectStruct" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_OutputMess
age">
        <wsdl:part name="parameters"
element="tns:GetAllLocalizedNamesForMetadataObjectStructResponse" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q488="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q488:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q489="Microsoft.BusinessData.SharePoint" name="detail"
element="q489:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q490="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q490:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q491="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q491:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q492="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q492:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q493="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q493:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAllLocalizedNames_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAllLocalizedNames" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAllLocalizedNames_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAllLocalizedNamesResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q494="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q494:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q495="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q495:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNames_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q496="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q496:BdcExceptionState" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNames_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q497="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q497:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNames_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q498="Microsoft.BusinessData.SharePoint" name="detail"
element="q498:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q499="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q499:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAllPropertiesForMetadataObjectStruct" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_OutputMessage">
    <wsdl:part name="parameters"
element="tns:GetAllPropertiesForMetadataObjectStructResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q500="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q500:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q501="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q501:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q502="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q502:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q503="Microsoft.BusinessData.SharePoint" name="detail"
element="q503:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q504="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q504:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_ArgumentNullExceptionFault_FaultMessage">

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        <wsdl:part xmlns:q505="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q505:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAllProperties_InputMessage">
        <wsdl:part name="parameters" element="tns:GetAllProperties" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAllProperties_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetAllPropertiesResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllProperties_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q506="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q506:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllProperties_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q507="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q507:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllProperties_ArgumentNullExceptionFault_FaultMessa
ge">
        <wsdl:part xmlns:q508="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q508:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllProperties_ArgumentOutOfRangeExceptionFault_Faul
tMessage">
        <wsdl:part xmlns:q509="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q509:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllProperties_InvalidOperationExceptionFault_FaultM
essage">
        <wsdl:part xmlns:q510="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q510:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllProperties_MetadataExceptionStateFault_FaultMess
age">
        <wsdl:part xmlns:q511="Microsoft.BusinessData.SharePoint" name="detail"
element="q511:MetadataException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_SaveLocalizedName_InputMessage">
        <wsdl:part name="parameters" element="tns:SaveLocalizedName" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_SaveLocalizedName_OutputMessage">
        <wsdl:part name="parameters" element="tns:SaveLocalizedNameResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentOutOfRangeExceptionFault_Fau
ltMessage">
        <wsdl:part xmlns:q512="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q512:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveLocalizedName_BdcExceptionStateFault_FaultMessage"
>

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        <wsdl:part
xmlns:q513="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q513:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveLocalizedName_InvalidOperationExceptionFault_Fault
Message">
        <wsdl:part xmlns:q514="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q514:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveLocalizedName_MetadataExceptionStateFault_FaultMes
sage">
        <wsdl:part xmlns:q515="Microsoft.BusinessData.SharePoint" name="detail"
element="q515:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentExceptionFault_FaultMessage"
>
        <wsdl:part xmlns:q516="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q516:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentNullExceptionFault_FaultMess
age">
        <wsdl:part xmlns:q517="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q517:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ClearLocalizedNames_InputMessage">
        <wsdl:part name="parameters" element="tns:ClearLocalizedNames" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ClearLocalizedNames_OutputMessage">
        <wsdl:part name="parameters" element="tns:ClearLocalizedNamesResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearLocalizedNames_MetadataExceptionStateFault_FaultM
essage">
        <wsdl:part xmlns:q518="Microsoft.BusinessData.SharePoint" name="detail"
element="q518:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearLocalizedNames_BdcExceptionStateFault_FaultMessag
e">
        <wsdl:part
xmlns:q519="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q519:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearLocalizedNames_InvalidOperationExceptionFault_Fau
ltMessage">
        <wsdl:part xmlns:q520="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q520:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentExceptionFault_FaultMessag
e">
        <wsdl:part xmlns:q521="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q521:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentNullExceptionFault_FaultMe
ssage">

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        <wsdl:part xmlns:q522="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q522:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentOutOfRangeExceptionFault_F
aultMessage">
        <wsdl:part xmlns:q523="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q523:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_RemoveLocalizedName_InputMessage">
        <wsdl:part name="parameters" element="tns:RemoveLocalizedName" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_RemoveLocalizedName_OutputMessage">
        <wsdl:part name="parameters" element="tns:RemoveLocalizedNameResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentNullExceptionFault_FaultMe
ssage">
        <wsdl:part xmlns:q524="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q524:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveLocalizedName_BdcExceptionStateFault_FaultMessag
e">
        <wsdl:part
xmlns:q525="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q525:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentExceptionFault_FaultMessag
e">
        <wsdl:part xmlns:q526="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q526:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentOutOfRangeExceptionFault_F
aultMessage">
        <wsdl:part xmlns:q527="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q527:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveLocalizedName_InvalidOperationExceptionFault_Fau
ltMessage">
        <wsdl:part xmlns:q528="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q528:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveLocalizedName_MetadataExceptionStateFault_FaultM
essage">
        <wsdl:part xmlns:q529="Microsoft.BusinessData.SharePoint" name="detail"
element="q529:MetadataException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_SaveProperty_InputMessage">
        <wsdl:part name="parameters" element="tns:SaveProperty" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_SaveProperty_OutputMessage">
        <wsdl:part name="parameters" element="tns:SavePropertyResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveProperty_ArgumentNullExceptionFault_FaultMessage">

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        <wsdl:part xmlns:q530="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q530:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveProperty_InvalidOperationExceptionFault_FaultMessa
ge">
        <wsdl:part xmlns:q531="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q531:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveProperty_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q532="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q532:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveProperty_ArgumentOutOfRangeExceptionFault_FaultMes
sage">
        <wsdl:part xmlns:q533="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q533:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveProperty_MetadataExceptionStateFault_FaultMessage"
>
        <wsdl:part xmlns:q534="Microsoft.BusinessData.SharePoint" name="detail"
element="q534:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveProperty_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q535="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q535:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ClearProperties_InputMessage">
        <wsdl:part name="parameters" element="tns:ClearProperties" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ClearProperties_OutputMessage">
        <wsdl:part name="parameters" element="tns:ClearPropertiesResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearProperties_InvalidOperationExceptionFault_FaultMe
ssage">
        <wsdl:part xmlns:q536="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q536:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearProperties_MetadataExceptionStateFault_FaultMessa
ge">
        <wsdl:part xmlns:q537="Microsoft.BusinessData.SharePoint" name="detail"
element="q537:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearProperties_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q538="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q538:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearProperties_ArgumentNullExceptionFault_FaultMessag
e">
        <wsdl:part xmlns:q539="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q539:ArgumentNullException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_ClearProperties_ArgumentOutOfRangeExceptionFault_Fault
Message">
    <wsdl:part xmlns:q540="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q540:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearProperties_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q541="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q541:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_RemoveProperty_InputMessage">
    <wsdl:part name="parameters" element="tns:RemoveProperty" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_RemoveProperty_OutputMessage">
    <wsdl:part name="parameters" element="tns:RemovePropertyResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveProperty_ArgumentNullExceptionFault_FaultMessage
">
    <wsdl:part xmlns:q542="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q542:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveProperty_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q543="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q543:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveProperty_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q544="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q544:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveProperty_ArgumentOutOfRangeExceptionFault_FaultM
essage">
    <wsdl:part xmlns:q545="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q545:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveProperty_InvalidOperationExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q546="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q546:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveProperty_MetadataExceptionStateFault_FaultMessag
e">
    <wsdl:part xmlns:q547="Microsoft.BusinessData.SharePoint" name="detail"
element="q547:MetadataException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAccessControlEntries_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAccessControlEntries" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAccessControlEntriesResponse" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_InvalidOperationExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q548="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q548:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_MetadataExceptionStateFault_Fa
ultMessage">
    <wsdl:part xmlns:q549="Microsoft.BusinessData.SharePoint" name="detail"
element="q549:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q550="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q550:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentNullExceptionFault_Fau
ltMessage">
    <wsdl:part xmlns:q551="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q551:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentOutOfRangeExceptionFau
lt_FaultMessage">
    <wsdl:part xmlns:q552="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q552:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_BdcExceptionStateFault_FaultMe
ssage">
    <wsdl:part
xmlns:q553="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q553:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_SetAccessControlEntries_InputMessage">
    <wsdl:part name="parameters" element="tns:SetAccessControlEntries" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_OutputMessage">
    <wsdl:part name="parameters" element="tns:SetAccessControlEntriesResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_InvalidOperationExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q554="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q554:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q555="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q555:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentNullExceptionFault_Fau
ltMessage">
    <wsdl:part xmlns:q556="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q556:ArgumentNullException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q557="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q557:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q558="Microsoft.BusinessData.SharePoint" name="detail"
element="q558:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q559="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q559:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectCreate_InputMessage">
    <wsdl:part name="parameters" element="tns:MetadataObjectCreate" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectCreate_OutputMessage">
    <wsdl:part name="parameters" element="tns:MetadataObjectCreateResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectCreate_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:q560="Microsoft.BusinessData.SharePoint" name="detail"
element="q560:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectCreate_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q561="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q561:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q562="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q562:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q563="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q563:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q564="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q564:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectCreate_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q565="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q565:BdcExceptionState" />
    </wsdl:message>

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<wsdl:message name="BusinessDataCatalogSharedService_Update_InputMessage">
  <wsdl:part name="parameters" element="tns:Update" />
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_Update_OutputMessage">
  <wsdl:part name="parameters" element="tns:UpdateResponse" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Update_InvalidOperationExceptionFault_FaultMessage">
  <wsdl:part xmlns:q566="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q566:InvalidOperationException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Update_ArgumentOutOfRangeExceptionFault_FaultMessage">
  <wsdl:part xmlns:q567="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q567:ArgumentOutOfRangeException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Update_BdcExceptionStateFault_FaultMessage">
  <wsdl:part
xmlns:q568="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q568:BdcExceptionState" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Update_MetadataExceptionStateFault_FaultMessage">
  <wsdl:part xmlns:q569="Microsoft.BusinessData.SharePoint" name="detail"
element="q569:MetadataException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Update_ArgumentExceptionFault_FaultMessage">
  <wsdl:part xmlns:q570="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q570:ArgumentException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Update_ArgumentNullExceptionFault_FaultMessage">
  <wsdl:part xmlns:q571="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q571:ArgumentNullException" />
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_Delete_InputMessage">
  <wsdl:part name="parameters" element="tns:Delete" />
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_Delete_OutputMessage">
  <wsdl:part name="parameters" element="tns:DeleteResponse" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Delete_ArgumentNullExceptionFault_FaultMessage">
  <wsdl:part xmlns:q572="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q572:ArgumentNullException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Delete_ArgumentOutOfRangeExceptionFault_FaultMessage">
  <wsdl:part xmlns:q573="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q573:ArgumentOutOfRangeException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Delete_BdcExceptionStateFault_FaultMessage">
  <wsdl:part
xmlns:q574="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q574:BdcExceptionState" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Delete_InvalidOperationExceptionFault_FaultMessage">

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        <wsdl:part xmlns:q575="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q575:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Delete_MetadataExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:q576="Microsoft.BusinessData.SharePoint" name="detail"
element="q576:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Delete_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q577="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q577:ArgumentException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_InputMessage">
        <wsdl:part name="parameters" element="tns:MetadataObjectMergeXml" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_OutputMessage">
        <wsdl:part name="parameters" element="tns:MetadataObjectMergeXmlResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q578="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q578:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_PackageFormatExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:q579="Microsoft.SharePoint.BusinessData" name="detail"
element="q579:PackageFormatExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q580="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q580:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q581="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q581:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q582="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q582:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_InvalidOperationExceptionFault_FaultMessage">
        <wsdl:part xmlns:q583="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q583:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_MetadataExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:q584="Microsoft.BusinessData.SharePoint" name="detail"
element="q584:MetadataException" />

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</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectReadXml_InputMessage">
  <wsdl:part name="parameters" element="tns:MetadataObjectReadXml" />
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectReadXml_OutputMessage">
  <wsdl:part name="parameters" element="tns:MetadataObjectReadXmlResponse" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_MetadataExceptionStateFault_Fault
tMessage">
  <wsdl:part xmlns:q585="Microsoft.BusinessData.SharePoint" name="detail"
element="q585:MetadataException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_PackageFormatExceptionStateFault
_FaultMessage">
  <wsdl:part xmlns:q586="Microsoft.SharePoint.BusinessData" name="detail"
element="q586:PackageFormatExceptionState" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentExceptionFault_FaultMess
age">
  <wsdl:part xmlns:q587="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q587:ArgumentException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentNullExceptionFault_Fault
Message">
  <wsdl:part xmlns:q588="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q588:ArgumentNullException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentOutOfRangeExceptionFault
_FaultMessage">
  <wsdl:part xmlns:q589="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q589:ArgumentOutOfRangeException" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_BdcExceptionStateFault_FaultMess
age">
  <wsdl:part
xmlns:q590="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q590:BdcExceptionState" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_InvalidOperationExceptionFault_F
aultMessage">
  <wsdl:part xmlns:q591="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q591:InvalidOperationException" />
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_InputMessage">
  <wsdl:part name="parameters" element="tns:MetadataObjectWriteXml" />
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_OutputMessage">
  <wsdl:part name="parameters" element="tns:MetadataObjectWriteXmlResponse" />
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentNullExceptionFault_Faul
tMessage">
  <wsdl:part xmlns:q592="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q592:ArgumentNullException" />

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_InvalidOperationExceptionFault_
FaultMessage">
        <wsdl:part xmlns:q593="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q593:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_MetadataExceptionStateFault_Fau
ltMessage">
        <wsdl:part xmlns:q594="Microsoft.BusinessData.SharePoint" name="detail"
element="q594:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentOutOfRangeExceptionFau
ltMessage">
        <wsdl:part xmlns:q595="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q595:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_BdcExceptionStateFault_FaultMes
sage">
        <wsdl:part
xmlns:q596="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q596:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_PackageFormatExceptionStateFau
ltMessage">
        <wsdl:part xmlns:q597="Microsoft.SharePoint.BusinessData" name="detail"
element="q597:PackageFormatExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentExceptionFault_FaultMes
sage">
        <wsdl:part xmlns:q598="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q598:ArgumentException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_InputMessage">
        <wsdl:part name="parameters" element="tns:CopyAclAcrossChildren" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_OutputMessage">
        <wsdl:part name="parameters" element="tns:CopyAclAcrossChildrenResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentNullExceptionFault_Fault
Message">
        <wsdl:part xmlns:q599="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q599:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_MetadataExceptionStateFault_Fau
ltMessage">
        <wsdl:part xmlns:q600="Microsoft.BusinessData.SharePoint" name="detail"
element="q600:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentOutOfRangeExceptionFau
ltMessage">
        <wsdl:part xmlns:q601="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q601:ArgumentOutOfRangeException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_InvalidOperationExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q602="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q602:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentExceptionFault_FaultMess
age">
    <wsdl:part xmlns:q603="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q603:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_BdcExceptionStateFault_FaultMess
age">
    <wsdl:part
xmlns:q604="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q604:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_InputMessage">
    <wsdl:part name="parameters" element="tns:CopyAclAcrossChildrenForSetting" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_OutputMessage">
    <wsdl:part name="parameters" element="tns:CopyAclAcrossChildrenForSettingResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q605="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q605:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q606="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q606:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q607="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q607:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_InvalidOperationExcept
ionFault_FaultMessage">
    <wsdl:part xmlns:q608="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q608:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_MetadataExceptionState
Fault_FaultMessage">
    <wsdl:part xmlns:q609="Microsoft.BusinessData.SharePoint" name="detail"
element="q609:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentExceptionFault_FaultMessage">

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        <wsdl:part xmlns:q610="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q610:ArgumentException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_CopyAclToSetting_InputMessage">
        <wsdl:part name="parameters" element="tns:CopyAclToSetting" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_CopyAclToSetting_OutputMessage">
        <wsdl:part name="parameters" element="tns:CopyAclToSettingResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q611="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q611:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclToSetting_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q612="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q612:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentOutOfRangeExceptionFault_FaultM
essage">
        <wsdl:part xmlns:q613="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q613:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclToSetting_InvalidOperationExceptionFault_FaultM
essage">
        <wsdl:part xmlns:q614="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q614:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclToSetting_MetadataExceptionStateFault_FaultMess
age">
        <wsdl:part xmlns:q615="Microsoft.BusinessData.SharePoint" name="detail"
element="q615:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentNullExceptionFault_FaultMessa
ge">
        <wsdl:part xmlns:q616="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q616:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InputMessage">
        <wsdl:part name="parameters" element="tns:GetCacheInvalidationRecordsSince" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetCacheInvalidationRecordsSinceResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentExceptionFaul
t_FaultMessage">
        <wsdl:part xmlns:q617="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q617:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InvalidOperationExcep
tionFault_FaultMessage">

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        <wsdl:part xmlns:q618="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q618:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentNullException
Fault_FaultMessage">
        <wsdl:part xmlns:q619="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q619:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentOutOfRangeException
Fault_FaultMessage">
        <wsdl:part xmlns:q620="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q620:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_AccessDeniedException
Fault_FaultMessage">
        <wsdl:part
xmlns:q621="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q621:AccessDeniedException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_MetadataExceptionStat
eFault_FaultMessage">
        <wsdl:part xmlns:q622="Microsoft.BusinessData.SharePoint" name="detail"
element="q622:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_PackageFormatException
nStateFault_FaultMessage">
        <wsdl:part xmlns:q623="Microsoft.SharePoint.BusinessData" name="detail"
element="q623:PackageFormatExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_BdcExceptionStateFaul
t_FaultMessage">
        <wsdl:part
xmlns:q624="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q624:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ImportPackage_InputMessage">
        <wsdl:part name="parameters" element="tns:ImportPackage" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ImportPackage_OutputMessage">
        <wsdl:part name="parameters" element="tns:ImportPackageResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_ArgumentNullExceptionFault_FaultMessage"
>
        <wsdl:part xmlns:q625="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q625:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_PackageFormatExceptionStateFault_FaultMe
ssage">
        <wsdl:part xmlns:q626="Microsoft.SharePoint.BusinessData" name="detail"
element="q626:PackageFormatExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_ArgumentExceptionFault_FaultMessage">

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        <wsdl:part xmlns:q627="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q627:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_ArgumentOutOfRangeExceptionFault_FaultMe
ssage">
        <wsdl:part xmlns:q628="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q628:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q629="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q629:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_InvalidOperationExceptionFault_FaultMess
age">
        <wsdl:part xmlns:q630="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q630:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_MetadataExceptionStateFault_FaultMessage
">
        <wsdl:part xmlns:q631="Microsoft.BusinessData.SharePoint" name="detail"
element="q631:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_InputMessage">
        <wsdl:part name="parameters" element="tns:ImportPackageWithProgress" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_OutputMessage">
        <wsdl:part name="parameters" element="tns:ImportPackageWithProgressResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentNullExceptionFault_F
aultMessage">
        <wsdl:part xmlns:q632="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q632:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_InvalidOperationExceptionFau
lt_FaultMessage">
        <wsdl:part xmlns:q633="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q633:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_MetadataExceptionStateFault_
FaultMessage">
        <wsdl:part xmlns:q634="Microsoft.BusinessData.SharePoint" name="detail"
element="q634:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_PackageFormatExceptionStateF
ault_FaultMessage">
        <wsdl:part xmlns:q635="Microsoft.SharePoint.BusinessData" name="detail"
element="q635:PackageFormatExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_BdcExceptionStateFault_Fault
Message">

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        <wsdl:part
xmlns:q636="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q636:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentExceptionFault_Fault
Message">
        <wsdl:part xmlns:q637="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q637:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q638="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q638:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetImportProgress_InputMessage">
        <wsdl:part name="parameters" element="tns:GetImportProgress" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetImportProgress_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetImportProgressResponse" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ExportPackage_InputMessage">
        <wsdl:part name="parameters" element="tns:ExportPackage" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ExportPackage_OutputMessage">
        <wsdl:part name="parameters" element="tns:ExportPackageResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_PackageFormatExceptionStateFault_FaultMe
ssage">
        <wsdl:part xmlns:q639="Microsoft.SharePoint.BusinessData" name="detail"
element="q639:PackageFormatExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_ArgumentNullExceptionFault_FaultMessage"
>
        <wsdl:part xmlns:q640="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q640:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_ArgumentOutOfRangeExceptionFault_FaultMe
ssage">
        <wsdl:part xmlns:q641="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q641:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q642="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q642:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_InvalidOperationExceptionFault_FaultMess
age">
        <wsdl:part xmlns:q643="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q643:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_MetadataExceptionStateFault_FaultMessage
">

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        <wsdl:part xmlns:q644="Microsoft.BusinessData.SharePoint" name="detail"
element="q644:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q645="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q645:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelById_InputMessage">
        <wsdl:part name="parameters" element="tns:GetModelById" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelById_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetModelByIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelById_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q646="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q646:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelById_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:q647="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q647:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelById_InvalidOperationExceptionFault_FaultMessage">
        <wsdl:part xmlns:q648="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q648:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelById_MetadataExceptionStateFault_FaultMessage">
    </wsdl:message>
        <wsdl:part xmlns:q649="Microsoft.BusinessData.SharePoint" name="detail"
element="q649:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelById_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q650="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q650:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelById_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q651="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q651:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelsByName_InputMessage">
        <wsdl:part name="parameters" element="tns:GetModelsByName" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelsByName_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetModelsByNameResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByName_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q652="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q652:ArgumentNullException" />
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByName_ArgumentOutOfRangeExceptionFault_Fault
Message">
    <wsdl:part xmlns:q653="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q653:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByName_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q654="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q654:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByName_InvalidOperationExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q655="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q655:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByName_MetadataExceptionStateFault_FaultMessa
ge">
    <wsdl:part xmlns:q656="Microsoft.BusinessData.SharePoint" name="detail"
element="q656:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByName_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q657="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q657:ArgumentException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelByName_InputMessage">
    <wsdl:part name="parameters" element="tns:GetModelByName" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelByName_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetModelByNameResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelByName_ArgumentNullExceptionFault_FaultMessage
">
    <wsdl:part xmlns:q658="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q658:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelByName_ArgumentOutOfRangeExceptionFault_FaultM
essage">
    <wsdl:part xmlns:q659="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q659:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelByName_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:q660="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q660:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelByName_InvalidOperationExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q661="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q661:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelByName_MetadataExceptionStateFault_FaultMessag
e">

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        <wsdl:part xmlns:q662="Microsoft.BusinessData.SharePoint" name="detail"
element="q662:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelByName_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q663="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q663:ArgumentException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelsByEntityId_InputMessage">
        <wsdl:part name="parameters" element="tns:GetModelsByEntityId" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelsByEntityId_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetModelsByEntityIdResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentNullExceptionFault_FaultMe
ssage">
        <wsdl:part xmlns:q664="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q664:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentOutOfRangeExceptionFault_F
aultMessage">
        <wsdl:part xmlns:q665="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q665:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByEntityId_BdcExceptionStateFault_FaultMessag
e">
        <wsdl:part
xmlns:q666="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q666:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByEntityId_InvalidOperationExceptionFault_Fau
ltMessage">
        <wsdl:part xmlns:q667="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q667:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByEntityId_MetadataExceptionStateFault_FaultM
essage">
        <wsdl:part xmlns:q668="Microsoft.BusinessData.SharePoint" name="detail"
element="q668:MetadataException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentExceptionFault_FaultMessag
e">
        <wsdl:part xmlns:q669="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q669:ArgumentException" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_AddEntityToModel_InputMessage">
        <wsdl:part name="parameters" element="tns:AddEntityToModel" />
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_AddEntityToModel_OutputMessage">
        <wsdl:part name="parameters" element="tns:AddEntityToModelResponse" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddEntityToModel_BdcExceptionStateFault_FaultMessage">

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        <wsdl:part
xmlns:q670="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="q670:BdcExceptionState" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddEntityToModel_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q671="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q671:ArgumentException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddEntityToModel_ArgumentNullExceptionFault_FaultMessa
ge">
        <wsdl:part xmlns:q672="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q672:ArgumentNullException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddEntityToModel_ArgumentOutOfRangeExceptionFault_Faul
tMessage">
        <wsdl:part xmlns:q673="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q673:ArgumentOutOfRangeException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddEntityToModel_InvalidOperationExceptionFault_FaultM
essage">
        <wsdl:part xmlns:q674="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q674:InvalidOperationException" />
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddEntityToModel_MetadataExceptionStateFault_FaultMess
age">
        <wsdl:part xmlns:q675="Microsoft.BusinessData.SharePoint" name="detail"
element="q675:MetadataException" />
    </wsdl:message>
    <wsdl:portType name="BusinessDataCatalogSharedService">
        <wsdl:operation name="GetAssociationReferencesForAssociationGroup">
            <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroup"
message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Inp
utMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupResponse"
message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Out
putMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Arg
umentExceptionFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Met
adataExceptionStateFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Arg
umentNullExceptionFault_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Arg
umentOutOfRangeExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Bdc
ExceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Inv
alidOperationExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="AddAssociationReferenceToAssociationGroup">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroup"
message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_Input
Message" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroupResponse"
message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_Outpu
tMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroupBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_BdcEx
ceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroupMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_Metad
ataExceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroupArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_Argum
entExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroupArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_Argum
entNullExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroupArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_Argum
entOutOfRangeExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroupInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"

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message="tns:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_InvalidOperationExceptionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="DeleteAssociationReferenceFromAssociationGroup">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroup"
message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupResponse"
message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroupBdcExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroupInvalidOperationExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroupArgumentOutOfRangeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroupMetadataExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroupArgumentExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroupArgumentNullExceptionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetXmlSchemaForView">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetXmlSchemaForView"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetXmlSchemaForViewResponse"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetXmlSchemaForViewMetadataExceptionStateFault" name="MetadataExceptionStateFault"

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message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_MetadataExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetXmlSchemaForViewArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentNullExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetXmlSchemaForViewArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentOutOfRangeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetXmlSchemaForViewArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetXmlSchemaForViewInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_InvalidOperationExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetXmlSchemaForViewBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetXmlSchemaForView_BdcExceptionStateFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetIdentifierById">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierById"
message="tns:BusinessDataCatalogSharedService_GetIdentifierById_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetIdentifierById_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifierById_ArgumentOutOfRangeExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifierById_BdcExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifierById_InvalidOperationExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifierById_MetadataExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierByIdArgumentExceptionFault" name="ArgumentExceptionFault"

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message="tns:BusinessDataCatalogSharedService_GetIdentifierById_ArgumentExceptionFault_FaultM
essage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifierById_ArgumentNullExceptionFault_Fa
ultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetIdentifiersForEntity">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntity"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityResponse"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentOutOfRangeExcep
tionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_BdcExceptionStateFault_
FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_InvalidOperationExcepti
onFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_MetadataExceptionStateF
ault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentExceptionFault_
FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentNullExceptionFa
ult_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetMethodById">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodById"
message="tns:BusinessDataCatalogSharedService_GetMethodById_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetMethodById_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodByIdArgumentOutOfRangeExceptionFault"

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name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodById_ArgumentOutOfRangeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodById_BdcExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodById_InvalidOperationExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodById_MetadataExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodById_ArgumentExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodById_ArgumentNullExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetMethodsForDataClass">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClass"
message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClassResponse"
message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClassInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_InvalidOperationExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClassBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_BdcExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClassArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentOutOfRangeExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClassMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_MetadataExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClassArgumentExceptionFault" name="ArgumentExceptionFault"

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message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentExceptionFault_F
aultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentNullExceptionFau
lt_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="IsMethodInstantiated">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiated"
message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiatedResponse"
message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiatedArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentOutOfRangeExceptionExcepio
nFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiatedBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_BdcExceptionStateFault_Fau
ltMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiatedInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_InvalidOperationExceptionF
ault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiatedMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_MetadataExceptionStateFau
lt_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiatedArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentExceptionFault_Fau
ltMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiatedArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentNullExceptionFault
_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetFilterDescriptorById">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorById"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorByIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"

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message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentNullExceptionFault_FaultMessage" />
    <wsdl:fault
wsam>Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_BdcExceptionStateFault_
FaultMessage" />
    <wsdl:fault
wsam>Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_InvalidOperationExcepti
onFault_FaultMessage" />
    <wsdl:fault
wsam>Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_MetadataExceptionStateF
ault_FaultMessage" />
    <wsdl:fault
wsam>Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentExceptionFault_
FaultMessage" />
    <wsdl:fault
wsam>Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentOutOfRangeExcep
tionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetFilterDescriptorsForMethod">
    <wsdl:input
wsam>Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethod"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InputMessage" />
    <wsdl:output
wsam>Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethodResponse"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_OutputMessage" />
    <wsdl:fault
wsam>Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethodMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_MetadataException
StateFault_FaultMessage" />
    <wsdl:fault
wsam>Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_BdcExceptionState
Fault_FaultMessage" />
    <wsdl:fault
wsam>Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethodInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InvalidOperatioE
xceptionFault_FaultMessage" />
    <wsdl:fault
wsam>Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentException
Fault_FaultMessage" />
    <wsdl:fault
wsam>Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSha
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edService/GetFilterDescriptorsForMethodArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentNullExcep
tionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentOutOfRang
eExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetMethodInstanceById">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstanceById"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstanceByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstanceByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_BdcExceptionStateFault_Fa
ultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstanceByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_InvalidOperationException
Fault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstanceByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_MetadataExceptionStateFau
lt_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstanceByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentExceptionFault_Fa
ultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstanceByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentNullExceptionFau
lt_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstanceByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentOutOfRangeExceptionExce
ptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetMethodInstancesForDataClass">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClass"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassResponse"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_OutputMessage"
/>
  </wsdl:operation>

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentNullExce
ptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_BdcExceptionStat
eFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InvalidOperation
ExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_MetadataExceptio
nStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentExceptio
nFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentOutOfRan
geExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetMethodInstancesForMethod">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethod"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodResponse"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_BdcExceptionStateFa
ult_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_InvalidOperationExc
eptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_MetadataExceptionSt
ateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodArgumentExceptionFault" name="ArgumentExceptionFault"

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message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentExceptionFa
ult_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentNullExcepti
onFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentOutOfRangeE
xceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="CheckPathInMethodInstances">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CheckPathInMethodInstances"
message="tns:BusinessDataCatalogSharedService_CheckPathInMethodInstances_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CheckPathInMethodInstancesResponse"
message="tns:BusinessDataCatalogSharedService_CheckPathInMethodInstances_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CheckPathInMethodInstancesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_CheckPathInMethodInstances_BdcExceptionStateFau
lt_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CheckPathInMethodInstancesMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_CheckPathInMethodInstances_MetadataExceptionSta
teFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CheckPathInMethodInstancesArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_CheckPathInMethodInstances_ArgumentExceptionFau
lt_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CheckPathInMethodInstancesArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_CheckPathInMethodInstances_ArgumentNullExceptio
nFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetParameterById">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterById"
message="tns:BusinessDataCatalogSharedService_GetParameterById_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetParameterById_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetParameterById_MetadataExceptionStateFault_Fa
ultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdBdcExceptionStateFault" name="BdcExceptionStateFault"

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message="tns:BusinessDataCatalogSharedService_GetParameterById_BdcExceptionStateFault_FaultMe
ssage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetParameterById_InvalidOperationExceptionFault
_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetParameterById_ArgumentExceptionFault_FaultMe
ssage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetParameterById_ArgumentNullExceptionFault_Fau
ltMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetParameterById_ArgumentOutOfRangeExceptionFau
lt_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetParametersForMethod">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethod"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodResponse"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentOutOfRangeExceptionExce
ptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_BdcExceptionStateFault_F
aultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_InvalidOperationException
nFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_MetadataExceptionStateFa
ult_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentExceptionFault_F
aultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/GetParametersForMethodArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentNullExceptionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="IsParameterReferencedByMethodInstance">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstance"
message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceResponse"
message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentNullExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_BdcExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InvalidOperationExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentOutOfRangeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstanceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_MetadataExceptionStateFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetTypeReflectorTypeNameForParameter">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeReflectorTypeNameForParameter"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeReflectorTypeNameForParameterResponse"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_OutputMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentNu
llExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentEx
ceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentOu
tOfRangeExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_InvalidOpe
rationExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_MetadataEx
ceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_BdcExcepti
onStateFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDe
scriptor_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDe
scriptor_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDe
scriptor_ArgumentExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDe
scriptor_MetadataExceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"

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message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDe
scriptor_ArgumentNullExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorArgumentOutOfRangeExceptionF
ault" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDe
scriptor_ArgumentOutOfRangeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDe
scriptor_BdcExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorInvalidOperationExceptionFau
lt" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDe
scriptor_InvalidOperationExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetFieldTypeDescriptorsByMethodInstance">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstance"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_InputMe
ssage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceResponse"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_OutputM
essage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Argumen
tExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Invalid
OperationExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Argumen
tOutOfRangeExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_BdcExce
ptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Metadat
aExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceArgumentNullExceptionFault"

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name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Argumen
tNullExceptionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetTypeDescriptorById">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorById"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_MetadataExceptionStateFau
lt_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorByIdArgumentNullException" name="ArgumentNullException"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentNullExceptionFau
lt_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorByIdArgumentOutOfRangeException"
name="ArgumentOutOfRangeException"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentOutOfRangeException
Fault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentExceptionFault_Fa
ultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorByIdInvalidOperationException"
name="InvalidOperationException"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_InvalidOperationException
Fault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorById_BdcExceptionStateFault_Fa
ultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetRootTypeDescriptorForParameter">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameter"
message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InputMessage"
/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterResponse"
message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_OutputMessage"
/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_BdcExceptionS
tateFault_FaultMessage" />
  </wsdl:operation>

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentOutOf
RangeExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InvalidOperat
ionExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_MetadataExcep
tionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentExcep
tionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentNullE
xceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetTypeDescriptorsByNameAndLevelForParameter">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsByNameAndLevelForParameter"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_In
putMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsByNameAndLevelForParameterResponse"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_Ou
tputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsByNameAndLevelForParameterMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_Me
tadataExceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsByNameAndLevelForParameterArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_Ar
gumentExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsByNameAndLevelForParameterArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_Ar
gumentNullExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsByNameAndLevelForParameterArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"

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message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_Ar
gumentOutOfRangeException_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsByNameAndLevelForParameterInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_In
validOperationExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsByNameAndLevelForParameterBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_Bd
cExceptionStateFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetChildTypeDescriptorsForTypeDescriptor">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptor"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_InputM
essage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorResponse"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Outpu
tMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Argume
ntExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Metada
taExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Argume
ntNullExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Argume
ntOutOfRangeExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_BdcExc
eptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Invali
dOperationExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetTypeDescriptorsForFilterDescriptor">

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        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptor"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InputMess
age" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorResponse"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_OutputMes
sage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_BdcExcept
ionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentN
ullExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentO
utOfRangeExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InvalidOp
erationExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_MetadataE
xceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentE
xceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetDefaultValuesForTypeDescriptor">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptor"
message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InputMessage"
/>
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorResponse"
message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_OutputMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_BdcExceptionS
tateFault_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InvalidOperat
ionExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentExcep
tionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentNullE
xceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentOutOf
RangeExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_MetadataExcep
tionStateFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="SetDefaultValuesForTypeDescriptor">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptor"
message="tns:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_InputMessage"
/>
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorResponse"
message="tns:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_OutputMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentExcep
tionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_MetadataExcep
tionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentNullE
xceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"

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message="tns:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentOutOf
RangeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_BdcExceptionS
tateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_InvalidOperat
ionExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="DeleteDefaultValueForTypeDescriptor">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptor"
message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InputMessag
e" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorResponse"
message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_OutputMessa
ge" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_BdcExceptio
nStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_MetadataExc
eptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentExc
eptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentNul
lExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentOut
OfRangeExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InvalidOper
ationExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetLevelForTypeDescriptor">

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        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptor"
message="tns:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorResponse"
message="tns:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_BdcExceptionStateFaul
t_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_InvalidOperationExcep
tionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentOutOfRangeExc
eptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_MetadataExceptionStat
eFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentExceptionFaul
t_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentNullException
Fault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="TypeDescriptorCreate">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorCreate"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorCreateResponse"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorCreateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_MetadataExceptionStateFaul
t_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorCreateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentNullExceptionFaul
t_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/TypeDescriptorCreateArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentOutOfRangeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_InvalidOperationExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorCreate_BdcExceptionStateFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="TypeDescriptorMergeXml">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXml"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXmlResponse"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentNullExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentOutOfRangeExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_PackageFormatExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_BdcExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_InvalidOperationExceptionFault_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_MetadataExceptionStateFa
ult_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="TypeDescriptorReadXml">
            <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXml"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlResponse"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_PackageFormatExceptionSta
teFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_MetadataExceptionStateFau
lt_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_BdcExceptionStateFault_Fa
ultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentExceptionFault_Fa
ultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentNullExceptionFaul
t_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentOutOfRangeExceptionExce
ptionFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_TypeDescriptorReadXml_InvalidOperationException
Fault_FaultMessage" />
            </wsdl:operation>
            <wsdl:operation name="GetAssociationById">
                <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationById"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_InputMessage" />
                <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/GetAssociationByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_MetadataExceptionStateFault_
FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_ArgumentExceptionFault_Fault
Message" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_ArgumentNullExceptionFault_F
aultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_ArgumentOutOfRangeExceptionF
ault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_BdcExceptionStateFault_Fault
Message" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationById_InvalidOperationExceptionFau
lt_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetAssociationsForEntityAndRole">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRole"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InputMessage"
/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleResponse"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_OutputMessage"
/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_MetadataExcepti
onStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentExcepti
onFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentNullExc
eptionFault_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentOutOfRa
ngeExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_BdcExceptionSta
teFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InvalidOperatio
nExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetAssociationsForDataClass">
            <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClass"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassResponse"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_MetadataExceptionSt
ateFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_BdcExceptionStateFa
ult_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentOutOfRangeExceptionFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_InvalidOperationExc
eptionFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentExceptionFa
ult_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentNullExcepti
onFault_FaultMessage" />
            </wsdl:operation>
        <wsdl:operation name="GetAssociationsForMethod">

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        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethod"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodResponse"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_MetadataExceptionState
Fault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentExceptionFault
_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentNullExceptionF
ault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentOutOfRangeExce
ptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_InvalidOperationExcept
ionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationsForMethod_BdcExceptionStateFault
_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetAssociationMembersInRole">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRole"
message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleResponse"
message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentExceptionFa
ult_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_MetadataExceptionSt
ateFault_FaultMessage" />
    </wsdl:operation>

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentNullExcepti
onFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentOutOfRangeE
xceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_BdcExceptionStateFa
ult_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationMembersInRole_InvalidOperationExc
eptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetAssociationGroupId">
            <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupId"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupId_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupIdResponse"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupId_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupId_MetadataExceptionStateF
ault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupId_ArgumentNullExceptionFa
ult_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupId_ArgumentOutOfRangeExceptionEx
ceptionFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupId_BdcExceptionStateFault_
FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupId_InvalidOperationExcepti
onFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/GetAssociationGroupByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupById_ArgumentExceptionFault_
FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetAssociationGroupsForEntity">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntity"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityResponse"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_BdcExceptionState
Fault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InvalidOperationE
xceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentException
Fault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentNullExcep
tionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentOutOfRang
eExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_MetadataException
StateFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="RemoveEntityFromModel">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModel"
message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelResponse"
message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentNullExceptionFaul
t_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/RemoveEntityFromModelArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentOutOfRangeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveEntityFromModelBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_BdcExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveEntityFromModelInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_InvalidOperationExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveEntityFromModelMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_MetadataExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveEntityFromModelArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="DeleteNoCascade">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascade"
message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascadeResponse"
message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascadeBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_BdcExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascadeArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentOutOfRangeExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascadeInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_InvalidOperationExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascadeMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_MetadataExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascadeArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentExceptionFault_FaultMessage" />
  </wsdl:operation>

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentNullExceptionFault_Faul
tMessage" />
        </wsdl:operation>
        <wsdl:operation name="ModelReadXml">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ModelReadXml"
message="tns:BusinessDataCatalogSharedService_ModelReadXml_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ModelReadXmlResponse"
message="tns:BusinessDataCatalogSharedService_ModelReadXml_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ModelReadXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_ModelReadXml_ArgumentExceptionFault_FaultMessag
e" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ModelReadXmlMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ModelReadXml_MetadataExceptionStateFault_FaultM
essage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ModelReadXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_ModelReadXml_ArgumentOutOfRangeExceptionFault_F
aultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ModelReadXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ModelReadXml_PackageFormatExceptionStateFault_F
aultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ModelReadXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_ModelReadXml_ArgumentNullExceptionFault_FaultMe
ssage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ModelReadXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ModelReadXml_BdcExceptionStateFault_FaultMessag
e" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ModelReadXmlInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_ModelReadXml_InvalidOperationExceptionFault_Fau
ltMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetLobSystemProxyAssemblyBytesByLobSystemId">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemId"
message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Inp
utMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdResponse"
message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Out
putMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Arg
umentExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Arg
umentOutOfRangeExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Bdc
ExceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Inv
alidOperationExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Met
adataExceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Arg
umentNullExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetLobSystemAllAssembliesBytes">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytes"
message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesResponse"
message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_OutputMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentExceptio
nFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentNullExce
ptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentOutOfRan
geExceptionFault_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_BdcExceptionStat
eFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InvalidOperation
ExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_MetadataExceptio
nStateFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetLobSystemDataByLobSystem">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystem"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemResponse"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentNullExcepti
onFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentOutOfRangeE
xceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_BdcExceptionStateFa
ult_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InvalidOperationExc
eptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_MetadataExceptionSt
ateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentExceptionFa
ult_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="SetLobSystemDataByLobSystemId">

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        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemId"
message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemIdResponse"
message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_BdcExceptionState
Fault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentException
Fault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentNullExcep
tionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentOutOfRang
eExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_InvalidOperationE
xceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_MetadataException
StateFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetLobSystemsReferencedByEntitiesAssociatedWithModel">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModel"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_ArgumentNullExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"

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message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_ArgumentOutOfRangeExceptionFault_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_BdcExceptionStateFault_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_InvalidOperationExceptionFault_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_MetadataExceptionStateFault_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWith
Model_ArgumentExceptionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetLobSystemByName">
<wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByName"
message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_InputMessage" />
<wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByNameResponse"
message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_OutputMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_BdcExceptionStateFault_Fault
Message" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentOutOfRangeExceptionF
ault_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByNameInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_InvalidOperationExceptionFau
lt_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_MetadataExceptionStateFault_
FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentExceptionFault_Fault
Message" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentNullExceptionFault_F
aultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetLobSystemsLikeName">
            <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeName"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameResponse"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_BdcExceptionStateFault_Fa
ultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_InvalidOperationException
Fault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_MetadataExceptionStateFau
lt_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentExceptionFault_Fa
ultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentNullExceptionFau
lt_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentOutOfRangeException
onFault_FaultMessage" />
            </wsdl:operation>
            <wsdl:operation name="GetLobSystemById">
                <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemById"
message="tns:BusinessDataCatalogSharedService_GetLobSystemById_InputMessage" />
                <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetLobSystemById_OutputMessage" />
                <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemById_ArgumentNullExceptionFault_Fau
ltMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemById_ArgumentOutOfRangeExceptionFau
lt_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemById_BdcExceptionStateFault_FaultMe
ssage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemById_InvalidOperationExceptionFault
_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemById_MetadataExceptionStateFault_Fa
ultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemById_ArgumentExceptionFault_FaultMe
ssage" />
    </wsdl:operation>
    <wsdl:operation name="GetEntityCount">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCount"
message="tns:BusinessDataCatalogSharedService_GetEntityCount_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountResponse"
message="tns:BusinessDataCatalogSharedService_GetEntityCount_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityCount_ArgumentNullExceptionFault_Fault
Message" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityCount_ArgumentOutOfRangeExceptionFault
_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityCount_BdcExceptionStateFault_FaultMess
age" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityCount_InvalidOperationExceptionFault_F
aultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityCount_MetadataExceptionStateFault_Faul
tMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityCount_ArgumentExceptionFault_FaultMess
age" />
        </wsdl:operation>
        <wsdl:operation name="GetSystemUtilityTypeNameForLobSystem">
            <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystem"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InputMessa
ge" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemResponse"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_OutputMessa
ge" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentNu
llExceptionFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentOu
tOfRangeExceptionFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_BdcExcepti
onStateFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InvalidOpe
rationExceptionFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_MetadataEx
ceptionStateFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentEx
ceptionFault_FaultMessage" />
            </wsdl:operation>
            <wsdl:operation name="GenerateProxyAssemblyForLobSystem">
                <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystem"
message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InputMessage"
/>
                <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemResponse"

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message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_OutputMessage"
"/>

<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_BdcExceptionS
tateFault_FaultMessage" />

<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentExcep
tionFault_FaultMessage" />

<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentNullE
xceptionFault_FaultMessage" />

<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentOutOf
RangeExceptionFault_FaultMessage" />

<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InvalidOperat
ionExceptionFault_FaultMessage" />

<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_MetadataExcep
tionStateFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="DeleteProxyAssemblyForLobSystem">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystem"
message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InputMessage"
/>

  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemResponse"
message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_OutputMessage"
/>

  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentNullExc
eptionFault_FaultMessage" />

  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentOutOfRa
ngeExceptionFault_FaultMessage" />

  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemBdcExceptionStateFault"

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name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_BdcExceptionSta
teFault_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InvalidOperatio
nExceptionFault_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_MetadataExcepti
onStateFault_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentExcepti
onFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetLobSystemInstancesForLobSystem">
<wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystem"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InputMessage"
/>
<wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemResponse"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_OutputMessage
" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_BdcExceptionS
tateFault_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentOutOf
RangeExceptionFault_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InvalidOperat
ionExceptionFault_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_MetadataExcep
tionStateFault_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentExcep
tionFault_FaultMessage" />
<wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/GetLobSystemInstancesForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentNullE
xceptionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetLobSystemInstanceById">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceById"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_BdcExceptionStateFault
_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_MetadataExceptionState
Fault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentExceptionFault
_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentNullExceptionF
ault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentOutOfRangeExce
ptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetLobSystemInstanceById_InvalidOperationExcept
ionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetDataClassesForSystem">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystem"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemResponse"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentNullExceptionFa
ult_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentOutOfRangeExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_BdcExceptionStateFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_InvalidOperationExcepti
onFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_MetadataExceptionStateF
ault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentExceptionFault_
FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetDataClassById">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassById"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_BdcExceptionStateFault_FaultMe
ssage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_ArgumentOutOfRangeExceptionFau
lt_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_InvalidOperationExceptionFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_MetadataExceptionStateFault_Fa
ultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdArgumentExceptionFault" name="ArgumentExceptionFault"

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message="tns:BusinessDataCatalogSharedService_GetDataClassById_ArgumentExceptionFault_FaultMe
ssage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetDataClassById_ArgumentNullExceptionFault_Fau
ltMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetEntitiesReferencedByModelId">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelId"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdResponse"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_OutputMessage"
/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentNullExce
ptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentExceptio
nFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentOutOfRan
geExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_BdcExceptionStat
eFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InvalidOperation
ExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_MetadataExceptio
nStateFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetEntitiesLikeNameAndNamespace">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespace"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InputMessage"
/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceResponse"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_OutputMessage"
/>

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentNullExc
eptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentOutOfRa
ngeExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_BdcExceptionSta
teFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InvalidOperatio
nExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_MetadataExcepti
onStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentExcepti
onFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetEntityWithNameAndNamespace">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespace"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceResponse"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_BdcExceptionState
Fault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentOutOfRang
eExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InvalidOperatio
nExceptionFault_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_MetadataException
StateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentException
Fault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentNullExcep
tionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetEntityWithNameAndNamespaceAndVersion">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersion"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_InputMe
ssage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionResponse"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_OutputM
essage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Argumen
tNullExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Argumen
tExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Argumen
tOutOfRangeExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_BdcExce
ptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Invalid
OperationExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionMetadataExceptionStateFault"
name="MetadataExceptionStateFault"

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message="tns:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Metadata
aExceptionStateFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetEntitiesForSystem">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystem"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemResponse"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentOutOfRangeExceptionExceptio
nFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_BdcExceptionStateFault_Fau
ltMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_InvalidOperationExceptionFau
lt_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_MetadataExceptionStateFau
lt_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentExceptionFault_Fau
ltMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentNullExceptionFault
_FaultMessage" />
  </wsdl:operation>
<wsdl:operation name="GetEntitiesForAssociationAndRole">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRole"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InputMessage"
/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleResponse"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_OutputMessage"
/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentOutOfR
angeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/GetEntitiesForAssociationAndRoleBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_BdcExceptionSt
ateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InvalidOperati
onExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_MetadataExcept
ionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentExcept
ionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentNullEx
ceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="SetDefaultActionForEntity">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntity"
message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntityResponse"
message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntityArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentOutOfRangeExc
eptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_BdcExceptionStateFaul
t_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntityInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_InvalidOperationExcep
tionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntityMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_MetadataExceptionStat
eFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntityArgumentExceptionFault" name="ArgumentExceptionFault"

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message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentNullExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetEntityNameAndNamespacesForAssociationAndRole">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityNameAndNamespacesForAssociationAndRole"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityNameAndNamespacesForAssociationAndRoleResponse"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityNameAndNamespacesForAssociationAndRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_InvalidOperationExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityNameAndNamespacesForAssociationAndRoleBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_BdcExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityNameAndNamespacesForAssociationAndRoleArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_ArgumentOutOfRangeExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityNameAndNamespacesForAssociationAndRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_MetadataExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityNameAndNamespacesForAssociationAndRoleArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_ArgumentExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityNameAndNamespacesForAssociationAndRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_ArgumentNullExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetEntityById">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityById"
message="tns:BusinessDataCatalogSharedService_GetEntityById_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/GetEntityByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetEntityById_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityById_ArgumentOutOfRangeExceptionFault_
FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityById_BdcExceptionStateFault_FaultMessa
ge" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityById_InvalidOperationExceptionFault_Fa
ultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetEntityById_MetadataExceptionStateFault_Fault
Message" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityById_ArgumentExceptionFault_FaultMessa
ge" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetEntityById_ArgumentNullExceptionFault_FaultM
essage" />
  </wsdl:operation>
  <wsdl:operation name="EntityCreate">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreate"
message="tns:BusinessDataCatalogSharedService_EntityCreate_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateResponse"
message="tns:BusinessDataCatalogSharedService_EntityCreate_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_EntityCreate_ArgumentExceptionFault_FaultMessag
e" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_EntityCreate_BdcExceptionStateFault_FaultMessag
e" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_EntityCreate_InvalidOperationExceptionFault_Fau
ltMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_EntityCreate_MetadataExceptionStateFault_FaultM
essage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreatePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_EntityCreate_PackageFormatExceptionStateFault_F
aultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_EntityCreate_ArgumentNullExceptionFault_FaultMe
ssage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_EntityCreate_ArgumentOutOfRangeExceptionFault_F
aultMessage" />
        </wsdl:operation>
        <wsdl:operation name="Activate">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/Activate" message="tns:BusinessDataCatalogSharedService_Activate_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateResponse"
message="tns:BusinessDataCatalogSharedService_Activate_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivatePackageFormatExceptionStateFault" name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Activate_PackageFormatExceptionStateFault_Fault
Message" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Activate_BdcExceptionStateFault_FaultMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_Activate_InvalidOperationExceptionFault_FaultMe
ssage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Activate_MetadataExceptionStateFault_FaultMessa
ge" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_Activate_ArgumentExceptionFault_FaultMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_Activate_ArgumentNullExceptionFault_FaultMessag
e" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_Activate_ArgumentOutOfRangeExceptionFault_Fault
Message" />
        </wsdl:operation>
        <wsdl:operation name="Deactivate">

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        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/Deactivate" message="tns:BusinessDataCatalogSharedService_Deactivate_InputMessage"
/>

        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateResponse"
message="tns:BusinessDataCatalogSharedService_Deactivate_OutputMessage" />

        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Deactivate_BdcExceptionStateFault_FaultMessage"
/>

        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_Deactivate_InvalidOperationExceptionFault_Fault
Message" />

        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Deactivate_MetadataExceptionStateFault_FaultMes
sage" />

        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivatePackageFormatExceptionStateFault" name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Deactivate_PackageFormatExceptionStateFault_Fau
ltMessage" />

        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_Deactivate_ArgumentExceptionFault_FaultMessage"
/>

        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_Deactivate_ArgumentNullExceptionFault_FaultMess
age" />

        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_Deactivate_ArgumentOutOfRangeExceptionFault_Fau
ltMessage" />
    </wsdl:operation>
    <wsdl:operation name="BulkSwitchActiveOrValidate">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidate"
message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InputMessage" />

        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidateResponse"
message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_OutputMessage" />

        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_BdcExceptionStateFau
lt_FaultMessage" />

        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidateInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InvalidOperationExce
ptionFault_FaultMessage" />
    </wsdl:operation>

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidateMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_MetadataExceptionSta
teFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidatePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_PackageFormatExcepti
onStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidateArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentExceptionFau
lt_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentNullExceptio
nFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidateArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentOutOfRangeEx
ceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetActionById">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionById"
message="tns:BusinessDataCatalogSharedService_GetActionById_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetActionById_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionById_ArgumentNullExceptionFault_FaultM
essage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionById_BdcExceptionStateFault_FaultMessa
ge" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionById_InvalidOperationExceptionFault_Fa
ultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionById_MetadataExceptionStateFault_Fault
Message" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionById_ArgumentExceptionFault_FaultMessa
ge" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionByIdArgumentOutOfRangeExceptionExceptionFault"
name="ArgumentOutOfRangeExceptionExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionById_ArgumentOutOfRangeExceptionFault_
FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetActionsForEntity">
            <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntity"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityResponse"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityInvalidOperationExceptionExceptionFault"
name="InvalidOperationExceptionExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_InvalidOperationExceptionFa
ult_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_BdcExceptionStateFault_Faul
tMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityArgumentOutOfRangeExceptionExceptionFault"
name="ArgumentOutOfRangeExceptionExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentOutOfRangeException
Fault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_MetadataExceptionStateFault_
FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentExceptionFault_Faul
tMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentNullExceptionFault_
FaultMessage" />
            </wsdl:operation>
            <wsdl:operation name="GetActionParameterById">
                <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterById"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_InputMessage" />
                <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_OutputMessage" />
                <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdArgumentOutOfRangeExceptionExceptionFault"
name="ArgumentOutOfRangeExceptionExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_ArgumentOutOfRangeException
ionFault_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_BdcExceptionStateFault_F
aultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_InvalidOperationExceptio
nFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_MetadataExceptionStateFa
ult_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_ArgumentExceptionFault_F
aultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParameterById_ArgumentNullExceptionFau
lt_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetActionParametersForAction">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForAction"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionResponse"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentOutOfRange
ExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_BdcExceptionStateF
ault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_InvalidOperationEx
ceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_MetadataExceptionS
tateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionArgumentExceptionFault" name="ArgumentExceptionFault"

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message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentExceptionF
ault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentNullExcept
ionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetServiceApplicationId">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetServiceApplicationId"
message="tns:BusinessDataCatalogSharedService_GetServiceApplicationId_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetServiceApplicationIdResponse"
message="tns:BusinessDataCatalogSharedService_GetServiceApplicationId_OutputMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetAllPartitionIds">
      <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIds"
message="tns:BusinessDataCatalogSharedService_GetAllPartitionIds_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsResponse"
message="tns:BusinessDataCatalogSharedService_GetAllPartitionIds_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllPartitionIds_AccessDeniedExceptionFault_F
aultMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllPartitionIds_InvalidOperationExceptionFau
lt_FaultMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllPartitionIds_MetadataExceptionStateFault_
FaultMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllPartitionIds_BdcExceptionStateFault_Fault
Message" />
    </wsdl:operation>
    <wsdl:operation name="ReadSlicedXml">
      <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXml"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlResponse"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_InvalidOperationExceptionFault_Fa
ultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlArgumentOutOfRangeExceptionExceptionFault"
name="ArgumentOutOfRangeExceptionExceptionFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentOutOfRangeExceptionFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentExceptionFault_FaultMessa
ge" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_MetadataExceptionStateFault_Fault
Message" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_BdcExceptionStateFault_FaultMessa
ge" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentNullExceptionFault_FaultM
essage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_PackageFormatExceptionStateFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="tns:BusinessDataCatalogSharedService_ReadSlicedXml_AccessDeniedExceptionFault_FaultM
essage" />
    </wsdl:operation>
    <wsdl:operation name="WriteSlicedXml">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXml"
message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlResponse"
message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_PackageFormatExceptionStateFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlArgumentOutOfRangeExceptionExceptionFault"
name="ArgumentOutOfRangeExceptionExceptionFault"
message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentOutOfRangeExceptionFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentExceptionFault_FaultMess
age" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_AccessDeniedExceptionFault_Fault
Message" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_MetadataExceptionStateFault_Faul
tMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_BdcExceptionStateFault_FaultMess
age" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentNullExceptionFault_Fault
Message" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_WriteSlicedXml_InvalidOperationExceptionFault_F
aultMessage" />
    </wsdl:operation>
    <wsdl:operation name="HaveRights">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRights" message="tns:BusinessDataCatalogSharedService_HaveRights_InputMessage"
/>
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsResponse"
message="tns:BusinessDataCatalogSharedService_HaveRights_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_HaveRights_ArgumentExceptionFault_FaultMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_HaveRights_BdcExceptionStateFault_FaultMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_HaveRights_InvalidOperationExceptionFault_Fault
Message" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_HaveRights_MetadataExceptionStateFault_FaultMes
sage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_HaveRights_ArgumentOutOfRangeExceptionFault_Fau
ltMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsArgumentNullExceptionFault" name="ArgumentNullExceptionFault"

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message="tns:BusinessDataCatalogSharedService_HaveRights_ArgumentNullExceptionFault_FaultMess
age" />
</wsdl:operation>
<wsdl:operation name="GetAllLocalizedNamesForMetadataObjectStruct">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStruct"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Inp
utMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructResponse"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Out
putMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Arg
umentNullExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Met
adataExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Arg
umentExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Arg
umentOutOfRangeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Bdc
ExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Inv
alidOperationExceptionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetAllLocalizedNames">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNames"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesResponse"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"

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message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentNullExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentOutOfRangeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_BdcExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_InvalidOperationExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_MetadataExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetAllPropertiesForMetadataObjectStruct">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStruct"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructResponse"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_ArgumentOutOfRangeExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_BdcExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InvalidOperationExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_MetadataExceptionStateFault_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesForMetadataObjectStructArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_Argumen
tExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesForMetadataObjectStructArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_Argumen
tNullExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetAllProperties">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllProperties"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesResponse"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_BdcExceptionStateFault_FaultMe
ssage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_ArgumentExceptionFault_FaultMe
ssage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_ArgumentNullExceptionFault_Fau
ltMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_ArgumentOutOfRangeExceptionFau
lt_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_InvalidOperationExceptionFault
_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAllProperties_MetadataExceptionStateFault_Fa
ultMessage" />
        </wsdl:operation>
        <wsdl:operation name="SaveLocalizedName">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveLocalizedName"
message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveLocalizedNameResponse"
message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_OutputMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveLocalizedNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentOutOfRangeExceptionFa
ult_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveLocalizedNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_BdcExceptionStateFault_FaultM
essage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveLocalizedNameInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_InvalidOperationExceptionFaul
t_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveLocalizedNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_MetadataExceptionStateFault_F
aultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveLocalizedNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentExceptionFault_FaultM
essage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveLocalizedNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentNullExceptionFault_Fa
ultMessage" />
        </wsdl:operation>
        <wsdl:operation name="ClearLocalizedNames">
            <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearLocalizedNames"
message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearLocalizedNamesResponse"
message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearLocalizedNamesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_MetadataExceptionStateFault
_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearLocalizedNamesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_BdcExceptionStateFault_Faul
tMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearLocalizedNamesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_InvalidOperationExceptionFa
ult_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearLocalizedNamesArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentExceptionFault_Faul
tMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearLocalizedNamesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentNullExceptionFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearLocalizedNamesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentOutOfRangeException
Fault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="RemoveLocalizedName">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedName"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameResponse"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentNullExceptionFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_BdcExceptionStateFault_Faul
tMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentExceptionFault_Faul
tMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentOutOfRangeException
Fault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_InvalidOperationExceptionFa
ult_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_RemoveLocalizedName_MetadataExceptionStateFault_
FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="SaveProperty">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveProperty"
message="tns:BusinessDataCatalogSharedService_SaveProperty_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyResponse"
message="tns:BusinessDataCatalogSharedService_SaveProperty_OutputMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_SaveProperty_ArgumentNullExceptionFault_FaultMe
ssage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_SaveProperty_InvalidOperationExceptionFault_Fau
ltMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_SaveProperty_ArgumentExceptionFault_FaultMessag
e" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_SaveProperty_ArgumentOutOfRangeExceptionFault_F
aultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SaveProperty_MetadataExceptionStateFault_FaultM
essage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SaveProperty_BdcExceptionStateFault_FaultMessag
e" />
    </wsdl:operation>
    <wsdl:operation name="ClearProperties">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearProperties"
message="tns:BusinessDataCatalogSharedService_ClearProperties_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesResponse"
message="tns:BusinessDataCatalogSharedService_ClearProperties_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_ClearProperties_InvalidOperationExceptionFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ClearProperties_MetadataExceptionStateFault_Fau
ltMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_ClearProperties_ArgumentExceptionFault_FaultMes
sage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_ClearProperties_ArgumentNullExceptionFault_Faul
tMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/ClearPropertiesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_ClearProperties_ArgumentOutOfRangeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearPropertiesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ClearProperties_BdcExceptionStateFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="RemoveProperty">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveProperty"
message="tns:BusinessDataCatalogSharedService_RemoveProperty_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemovePropertyResponse"
message="tns:BusinessDataCatalogSharedService_RemoveProperty_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemovePropertyArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveProperty_ArgumentNullExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemovePropertyBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_RemoveProperty_BdcExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemovePropertyArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveProperty_ArgumentExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemovePropertyArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveProperty_ArgumentOutOfRangeExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemovePropertyInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_RemoveProperty_InvalidOperationExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemovePropertyMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_RemoveProperty_MetadataExceptionStateFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetAccessControlEntries">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntries"
message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesResponse"
message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"

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message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_InvalidOperationExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_MetadataExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentNullExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentOutOfRangeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetAccessControlEntries_BdcExceptionStateFault_FaultMessage" />
</wsdl:operation>
  <wsdl:operation name="SetAccessControlEntries">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntries"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesResponse"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_InvalidOperationExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentNullExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentOutOfRangeExceptionFault_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetAccessControlEntriesMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_MetadataExceptionStateF
ault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetAccessControlEntriesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_SetAccessControlEntries_BdcExceptionStateFault_
FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="MetadataObjectCreate">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreate"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateResponse"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_MetadataExceptionStateFau
lt_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_InvalidOperationExceptionF
ault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentExceptionFault_Fau
ltMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentNullExceptionFault
_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentOutOfRangeException
Fault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectCreate_BdcExceptionStateFault_Fau
ltMessage" />
    </wsdl:operation>
    <wsdl:operation name="Update">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/Update" message="tns:BusinessDataCatalogSharedService_Update_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateResponse" message="tns:BusinessDataCatalogSharedService_Update_OutputMessage"
/>

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_Update_InvalidOperationExceptionFault_FaultMess
age" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_Update_ArgumentOutOfRangeExceptionFault_FaultMe
ssage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Update_BdcExceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Update_MetadataExceptionStateFault_FaultMessage
" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_Update_ArgumentExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_Update_ArgumentNullExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="Delete">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/Delete" message="tns:BusinessDataCatalogSharedService_Delete_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteResponse" message="tns:BusinessDataCatalogSharedService_Delete_OutputMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_Delete_ArgumentNullExceptionFault_FaultMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_Delete_ArgumentOutOfRangeExceptionFault_FaultMe
ssage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Delete_BdcExceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_Delete_InvalidOperationExceptionFault_FaultMess
age" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_Delete_MetadataExceptionStateFault_FaultMessage
" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/DeleteArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_Delete_ArgumentExceptionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="MetadataObjectMergeXml">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXml"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlResponse"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentOutOfRangeExceptionExcep
tionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_PackageFormatExceptionSt
ateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentExceptionFault_F
aultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentNullExceptionFau
lt_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_BdcExceptionStateFault_F
aultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_InvalidOperationExcep
tionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectMergeXml_MetadataExceptionStateFa
ult_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="MetadataObjectReadXml">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectReadXml"
message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectReadXmlResponse"
message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectReadXmlMetadataExceptionStateFault"

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name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_MetadataExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_PackageFormatExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentNullExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentOutOfRangeExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_BdcExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectReadXml_InvalidOperationExceptionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="MetadataObjectWriteXml">
  <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXml"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXmlResponse"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentNullExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_InvalidOperationExceptionFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_MetadataExceptionStateFault_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentOutOfRangeExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_BdcExceptionStateFault_F
aultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_PackageFormatExceptionSt
ateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentExceptionFault_F
aultMessage" />
        </wsdl:operation>
        <wsdl:operation name="CopyAclAcrossChildren">
            <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildren"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenResponse"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentNullExceptionFaul
t_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_MetadataExceptionStateFau
lt_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentOutOfRangeExceptionExce
ptionFault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_InvalidOperationException
Fault_FaultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentExceptionFault_Fa
ultMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenBdcExceptionStateFault" name="BdcExceptionStateFault"

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message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildren_BdcExceptionStateFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="CopyAclAcrossChildrenForSetting">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenForSetting"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_InputMessage"
/>
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenForSettingResponse"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_OutputMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenForSettingArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentOutOfRangeExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenForSettingArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentNullExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenForSettingBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_BdcExceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenForSettingInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_InvalidOperationExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenForSettingMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_MetadataExceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenForSettingArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="CopyAclToSetting">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSetting"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingResponse"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingArgumentExceptionFault" name="ArgumentExceptionFault"

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message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentExceptionFault_FaultMe
ssage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSettingBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_BdcExceptionStateFault_FaultMe
ssage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSettingArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentOutOfRangeExceptionFau
lt_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSettingInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_InvalidOperationExceptionFault
_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSettingMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_MetadataExceptionStateFault_Fa
ultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSettingArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentNullExceptionFault_Fau
ltMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetCacheInvalidationRecordsSince">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSince"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InputMessage"
/>
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceResponse"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_OutputMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentExcept
ionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InvalidOperati
onExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentNullEx
ceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentOutOfR
angeExceptionFault_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceAccessDeniedExceptionFault"
name="AccessDeniedExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_AccessDeniedEx
ceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_MetadataExcept
ionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSincePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_PackageFormatE
xceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_BdcExceptionSt
ateFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="ImportPackage">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackage"
message="tns:BusinessDataCatalogSharedService_ImportPackage_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageResponse"
message="tns:BusinessDataCatalogSharedService_ImportPackage_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackage_ArgumentNullExceptionFault_FaultM
essage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackagePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ImportPackage_PackageFormatExceptionStateFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackage_ArgumentExceptionFault_FaultMessa
ge" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackage_ArgumentOutOfRangeExceptionFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ImportPackage_BdcExceptionStateFault_FaultMessa
ge" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"

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message="tns:BusinessDataCatalogSharedService_ImportPackage_InvalidOperationExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ImportPackage_MetadataExceptionStateFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="ImportPackageWithProgress">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageWithProgress"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageWithProgressResponse"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageWithProgressArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentNullExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageWithProgressInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_InvalidOperationExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageWithProgressMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_MetadataExceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageWithProgressPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_PackageFormatExceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageWithProgressBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_BdcExceptionStateFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageWithProgressArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentExceptionFault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageWithProgressArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentOutOfRangeExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetImportProgress">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetImportProgress"
message="tns:BusinessDataCatalogSharedService_GetImportProgress_InputMessage" />

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        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetImportProgressResponse"
message="tns:BusinessDataCatalogSharedService_GetImportProgress_OutputMessage" />
        </wsdl:operation>
        <wsdl:operation name="ExportPackage">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ExportPackage"
message="tns:BusinessDataCatalogSharedService_ExportPackage_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ExportPackageResponse"
message="tns:BusinessDataCatalogSharedService_ExportPackage_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ExportPackagePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ExportPackage_PackageFormatExceptionStateFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ExportPackageArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_ExportPackage_ArgumentNullExceptionFault_FaultM
essage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ExportPackageArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_ExportPackage_ArgumentOutOfRangeExceptionFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ExportPackageArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_ExportPackage_ArgumentExceptionFault_FaultMessa
ge" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ExportPackageInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_ExportPackage_InvalidOperationExceptionFault_Fa
ultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ExportPackageMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ExportPackage_MetadataExceptionStateFault_Fault
Message" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ExportPackageBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_ExportPackage_BdcExceptionStateFault_FaultMessa
ge" />
        </wsdl:operation>
        <wsdl:operation name="GetModelById">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelById"
message="tns:BusinessDataCatalogSharedService_GetModelById_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByIdResponse"
message="tns:BusinessDataCatalogSharedService_GetModelById_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/GetModelByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelById_ArgumentExceptionFault_FaultMessag
e" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetModelById_BdcExceptionStateFault_FaultMessag
e" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelById_InvalidOperationExceptionFault_Fau
ltMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetModelById_MetadataExceptionStateFault_FaultM
essage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelById_ArgumentNullExceptionFault_FaultMe
ssage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelById_ArgumentOutOfRangeExceptionFault_F
aultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetModelsByName">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByName"
message="tns:BusinessDataCatalogSharedService_GetModelsByName_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByNameResponse"
message="tns:BusinessDataCatalogSharedService_GetModelsByName_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByName_ArgumentNullExceptionFault_Faul
tMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByName_ArgumentOutOfRangeExceptionFaul
t_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByName_BdcExceptionStateFault_FaultMes
sage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByNameInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByName_InvalidOperationExceptionFault_
FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"

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message="tns:BusinessDataCatalogSharedService_GetModelsByName_MetadataExceptionStateFault_FaultMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByName_ArgumentExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetModelByName">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByName"
message="tns:BusinessDataCatalogSharedService_GetModelByName_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByNameResponse"
message="tns:BusinessDataCatalogSharedService_GetModelByName_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelByName_ArgumentNullExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelByName_ArgumentOutOfRangeExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetModelByName_BdcExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByNameInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelByName_InvalidOperationExceptionFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetModelByName_MetadataExceptionStateFault_FaultMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelByName_ArgumentExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetModelsByEntityId">
    <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByEntityId"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByEntityIdResponse"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByEntityIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentNullExceptionFault_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentOutOfRangeException
Fault_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_BdcExceptionStateFault_Faul
tMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_InvalidOperationExceptionFa
ult_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_MetadataExceptionStateFault
_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentExceptionFault_Faul
tMessage" />
    </wsdl:operation>
    <wsdl:operation name="AddEntityToModel">
        <wsdl:input
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModel"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelResponse"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelBdcExceptionStateFault" name="BdcExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_BdcExceptionStateFault_FaultMe
ssage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelArgumentExceptionFault" name="ArgumentExceptionFault"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_ArgumentExceptionFault_FaultMe
ssage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_ArgumentNullExceptionFault_Fau
ltMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_ArgumentOutOfRangeExceptionFau
lt_FaultMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_InvalidOperationExceptionFault
_FaultMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="tns:BusinessDataCatalogSharedService_AddEntityToModel_MetadataExceptionStateFault_Fa
ultMessage" />
        </wsdl:operation>
    </wsdl:portType>
    <wsdl:binding name="CustomBinding_BusinessDataCatalogSharedService"
type="tns:BusinessDataCatalogSharedService">
        <soap:binding transport="http://schemas.xmlsoap.org/soap/http" />
        <wsdl:operation name="GetAssociationReferencesForAssociationGroup">
            <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationReferencesForAssociationGroup" style="document" />
            <wsdl:input>
                <soap:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="ArgumentExceptionFault">
                <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
            </wsdl:fault>
            <wsdl:fault name="MetadataExceptionStateFault">
                <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
            </wsdl:fault>
            <wsdl:fault name="ArgumentNullExceptionFault">
                <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
            </wsdl:fault>
            <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
                <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
            </wsdl:fault>
            <wsdl:fault name="BdcExceptionStateFault">
                <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
            </wsdl:fault>
            <wsdl:fault name="InvalidOperationExceptionFault">
                <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="AddAssociationReferenceToAssociationGroup">
            <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/AddAssociationReferenceToAssociationGroup" style="document" />
            <wsdl:input>
                <soap:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="BdcExceptionStateFault">
                <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
            </wsdl:fault>
            <wsdl:fault name="MetadataExceptionStateFault">
                <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
            </wsdl:fault>
            <wsdl:fault name="ArgumentExceptionFault">
                <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
            </wsdl:fault>
            <wsdl:fault name="ArgumentNullExceptionFault">
                <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
            </wsdl:fault>
        </wsdl:operation>
    </wsdl:binding>

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        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DeleteAssociationReferenceFromAssociationGroup">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/DeleteAssociationReferenceFromAssociationGroup" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetXmlSchemaForView">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetXmlSchemaForView" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

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        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetIdentifierById">
        <soap:operation
            soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
            dService/GetIdentifierById" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetIdentifiersForEntity">
        <soap:operation
            soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
            dService/GetIdentifiersForEntity" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">

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        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetMethodById">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetMethodById" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetMethodsForDataClass">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetMethodsForDataClass" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>

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        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="IsMethodInstantiated">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/IsMethodInstantiated" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetFilterDescriptorById">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetFilterDescriptorById" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

```

```

        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetFilterDescriptorsForMethod">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetFilterDescriptorsForMethod" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetMethodInstanceById">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetMethodInstanceById" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">

```

```

        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetMethodInstancesForDataClass">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetMethodInstancesForDataClass" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetMethodInstancesForMethod">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetMethodInstancesForMethod" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>

```

```

        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CheckPathInMethodInstances">
        <soap:operation
            soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/CheckPathInMethodInstances" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetParameterById">
        <soap:operation
            soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetParameterById" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetParametersForMethod">
        <soap:operation
            soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetParametersForMethod" style="document" />
        <wsdl:input>

```

```

        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="IsParameterReferencedByMethodInstance">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/IsParameterReferencedByMethodInstance" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTypeReflectorTypeNameForParameter">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetTypeReflectorTypeNameForParameter" style="document" />
    <wsdl:input>
        <soap:body use="literal" />

```



```

</wsdl:input>
<wsdl:output>
  <soap:body use="literal" />
</wsdl:output>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetFieldTypeDescriptorsByMethodInstance">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetFieldTypeDescriptorsByMethodInstance" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>

```

```

        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetTypeDescriptorById">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetTypeDescriptorById" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetRootTypeDescriptorForParameter">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetRootTypeDescriptorForParameter" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>

```

```

        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTypeDescriptorsByNameAndLevelForParameter">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetTypeDescriptorsByNameAndLevelForParameter" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetChildTypeDescriptorsForTypeDescriptor">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetChildTypeDescriptorsForTypeDescriptor" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>

```

```

</wsdl:output>
<wsdl:fault name="ArgumentException">
  <soap:fault use="literal" name="ArgumentException" namespace="" />
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentNullException">
  <soap:fault use="literal" name="ArgumentNullException" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeException">
  <soap:fault use="literal" name="ArgumentOutOfRangeException" namespace="" />
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="InvalidOperationException">
  <soap:fault use="literal" name="InvalidOperationException" namespace="" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTypeDescriptorsForFilterDescriptor">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetTypeDescriptorsForFilterDescriptor" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullException">
      <soap:fault use="literal" name="ArgumentNullException" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeException">
      <soap:fault use="literal" name="ArgumentOutOfRangeException" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationException">
      <soap:fault use="literal" name="InvalidOperationException" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentException">
      <soap:fault use="literal" name="ArgumentException" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetDefaultValuesForTypeDescriptor">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetDefaultValuesForTypeDescriptor" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
  </wsdl:operation>
</wsdl:service>

```

```

        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SetDefaultValuesForTypeDescriptor">
        <soap:operation
            soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SetDefaultValuesForTypeDescriptor" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DeleteDefaultValueForTypeDescriptor">
        <soap:operation
            soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/DeleteDefaultValueForTypeDescriptor" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BdcExceptionStateFault">

```

```

        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLevelForTypeDescriptor">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLevelForTypeDescriptor" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TypeDescriptorCreate">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/TypeDescriptorCreate" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />

```

```

</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TypeDescriptorMergeXml">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/TypeDescriptorMergeXml" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TypeDescriptorReadXml">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/TypeDescriptorReadXml" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>

```

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<wsdl:fault name="PackageFormatExceptionStateFault">
  <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationById">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationById" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationsForEntityAndRole">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationsForEntityAndRole" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>

```



```

        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationsForDataClass">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationsForDataClass" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationsForMethod">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationsForMethod" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />

```

```

</wsdl:output>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationMembersInRole">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationMembersInRole" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationGroupById">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationGroupById" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>

```

```

        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetAssociationGroupsForEntity">
        <soap:operation
            soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationGroupsForEntity" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveEntityFromModel">
        <soap:operation
            soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/RemoveEntityFromModel" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentNullExceptionFault">

```

```

        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DeleteNoCascade">
      <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/DeleteNoCascade" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="ModelReadXml">
      <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ModelReadXml" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />

```

```

</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="PackageFormatExceptionStateFault">
  <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemProxyAssemblyBytesByLobSystemId">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemProxyAssemblyBytesByLobSystemId" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemAllAssembliesBytes">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemAllAssembliesBytes" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>

```

```

        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetLobSystemDataByLobSystem">
        <soap:operation
            soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
            dService/GetLobSystemDataByLobSystem" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SetLobSystemDataByLobSystemId">
        <soap:operation
            soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
            dService/SetLobSystemDataByLobSystemId" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BdcExceptionStateFault">

```

```

        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemsReferencedByEntitiesAssociatedWithModel">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemsReferencedByEntitiesAssociatedWithModel" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemByName">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemByName" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>

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</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemsLikeName">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemsLikeName" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemById">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemById" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>

```



```

    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetEntityCount">
    <soap:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetEntityCount" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetSystemUtilityTypeNameForLobSystem">
    <soap:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetSystemUtilityTypeNameForLobSystem" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">

```

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        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GenerateProxyAssemblyForLobSystem">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GenerateProxyAssemblyForLobSystem" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DeleteProxyAssemblyForLobSystem">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/DeleteProxyAssemblyForLobSystem" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />

```

```

</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemInstancesForLobSystem">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemInstancesForLobSystem" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemInstanceById">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemInstanceById" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>

```

```

<wsdl:fault name="ArgumentExceptionFault">
  <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDataClassesForSystem">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetDataClassesForSystem" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
<wsdl:operation name="GetDataClassById">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetDataClassById" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">

```

```

        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntitiesReferencedByModelId">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntitiesReferencedByModelId" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntitiesLikeNameAndNamespace">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntitiesLikeNameAndNamespace" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>

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```

</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntityWithNameAndNamespace">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntityWithNameAndNamespace" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntityWithNameAndNamespaceAndVersion">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntityWithNameAndNamespaceAndVersion" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>

```

```

        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetEntitiesForSystem">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntitiesForSystem" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetEntitiesForAssociationAndRole">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntitiesForAssociationAndRole" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">

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```

        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SetDefaultActionForEntity">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SetDefaultActionForEntity" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntityNameAndNamespacesForAssociationAndRole">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntityNameAndNamespacesForAssociationAndRole" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>

```



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        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetEntityById">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntityById" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="EntityCreate">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/EntityCreate" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

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        <wsdl:fault name="PackageFormatExceptionStateFault">
            <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="Activate">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/Activate" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="PackageFormatExceptionStateFault">
            <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="Deactivate">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/Deactivate" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">

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        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="PackageFormatExceptionStateFault">
        <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="BulkSwitchActiveOrValidate">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/BulkSwitchActiveOrValidate" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="PackageFormatExceptionStateFault">
        <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetActionById">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetActionById" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />

```

```

</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetActionsForEntity">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetActionsForEntity" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetActionParameterById">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetActionParameterById" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>

```

```

<wsdl:fault name="BdcExceptionStateFault">
  <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetActionParametersForAction">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetActionParametersForAction" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetServiceApplicationId">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetServiceApplicationId" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetAllPartitionIds">

```

```

    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllPartitionIds" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AccessDeniedExceptionFault">
        <soap:fault use="literal" name="AccessDeniedExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ReadSlicedXml">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ReadSlicedXml" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="PackageFormatExceptionStateFault">
        <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="AccessDeniedExceptionFault">
        <soap:fault use="literal" name="AccessDeniedExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="WriteSlicedXml">

```

```

    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/WriteSlicedXml" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="PackageFormatExceptionStateFault">
        <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="AccessDeniedExceptionFault">
        <soap:fault use="literal" name="AccessDeniedExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="HaveRights">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/HaveRights" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>

```

```

        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetAllLocalizedNamesForMetadataObjectStruct">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllLocalizedNamesForMetadataObjectStruct" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetAllLocalizedNames">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllLocalizedNames" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

```



```

        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllPropertiesForMetadataObjectStruct">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllPropertiesForMetadataObjectStruct" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllProperties">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllProperties" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>

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        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SaveLocalizedName">
        <soap:operation
            soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
            dService/SaveLocalizedName" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="ClearLocalizedNames">
        <soap:operation
            soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
            dService/ClearLocalizedNames" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

```

```

</wsdl:operation>
<wsdl:operation name="RemoveLocalizedName">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/RemoveLocalizedName" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SaveProperty">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SaveProperty" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>

```

```

    <wsdl:operation name="ClearProperties">
      <soap:operation
        soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ClearProperties" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveProperty">
      <soap:operation
        soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/RemoveProperty" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
      </wsdl:fault>
      <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetAccessControlEntries">

```

```

    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAccessControlEntries" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SetAccessControlEntries">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SetAccessControlEntries" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="MetadataObjectCreate">

```

```

    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/MetadataObjectCreate" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="Update">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/Update" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="Delete">

```

```

    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/Delete" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="MetadataObjectMergeXml">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/MetadataObjectMergeXml" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="PackageFormatExceptionStateFault">
        <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>

```

```

</wsdl:operation>
<wsdl:operation name="MetadataObjectReadXml">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/MetadataObjectReadXml" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="MetadataObjectWriteXml">
  <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/MetadataObjectWriteXml" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">

```



```

        <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CopyAclAcrossChildren">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/CopyAclAcrossChildren" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CopyAclAcrossChildrenForSetting">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/CopyAclAcrossChildrenForSetting" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>

```

```

        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CopyAclToSetting">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/CopyAclToSetting" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetCacheInvalidationRecordsSince">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetCacheInvalidationRecordsSince" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="AccessDeniedExceptionFault">
            <soap:fault use="literal" name="AccessDeniedExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

```

```

        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="PackageFormatExceptionStateFault">
            <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="ImportPackage">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ImportPackage" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="PackageFormatExceptionStateFault">
            <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="ImportPackageWithProgress">
        <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ImportPackageWithProgress" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">

```

```

        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="PackageFormatExceptionStateFault">
        <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetImportProgress">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetImportProgress" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="ExportPackage">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ExportPackage" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="PackageFormatExceptionStateFault">
        <soap:fault use="literal" name="PackageFormatExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetModelById">

```

```

    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetModelById" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetModelsByName">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetModelsByName" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetModelByName">

```

```

    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetModelByName" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetModelsByEntityId">
    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetModelsByEntityId" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="AddEntityToModel">

```

```

    <soap:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/AddEntityToModel" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap:fault use="literal" name="BdcExceptionStateFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap:fault use="literal" name="ArgumentExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap:fault use="literal" name="ArgumentNullExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap:fault use="literal" name="InvalidOperationExceptionFault" namespace="" />
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap:fault use="literal" name="MetadataExceptionStateFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
</wsdl:binding>
</wsdl:definitions>

```

## 7 Appendix B: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include released service packs:

- Microsoft® Office 2010 suites
- Microsoft® SharePoint® Foundation 2010

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.

<1> [Section 2.2.4:](#) SharePoint Foundation 2010 requires that Business Logic Modules conform to the Common Language Infrastructure (CLI) as specified in [\[ECMA-335\]](#) and are understood by the .NET Framework.

<2> [Section 2.2.4.4:](#) In SharePoint Foundation 2010, only the restriction that the index be greater than or equal to zero is enforced.

<3> [Section 2.2.4.22:](#) In SharePoint Foundation 2010, this GUID can be non-empty.

<4> [Section 2.2.4.41:](#) In SharePoint Foundation 2010, this can be other values.

<5> [Section 2.2.4.51:](#) SharePoint Foundation 2010 requires that Business Logic Modules conform to the Common Language Infrastructure (CLI) as specified in [\[ECMA-335\]](#) and are understood by the .NET Framework.

<6> [Section 2.2.4.53:](#) The culture names used by SharePoint Foundation 2010 are as specified in [\[MSDN-SharePointSDK\]](#).

<7> [Section 2.2.4.53:](#) SharePoint Foundation 2010 requires this data type to conform to the Common Language Infrastructure (CLI) as specified in [\[ECMA-335\]](#) and to be understood by the .NET Framework.

<8> [Section 2.2.4.53:](#) SharePoint Foundation 2010 requires that the data type to conform to the Common Language Infrastructure (CLI) as specified in [\[ECMA-335\]](#) and is understood by the .NET Framework.

<9> [Section 2.2.4.53:](#) The SharePoint Foundation 2010 module that performs the mapping of value of the **typeName** element to data types requires the value of the **typeName** element to be in the following format.

```
Value = TypeName *1(%x2C BusinessLogicModule)
BusinessLogicModule = FullAssemblyName / LobSystemName
FullAssemblyName = LibraryIdentifier %x2C VersionProperty %x2C CultureProperty %x2C
PublicKeyTokenProperty
```



**LibraryIdentifier**, **VersionProperty**, **PublicKeyTokenProperty**, and **CultureProperty** are as specified in [\[MS-NRTP\]](#), section [2.2.1.3](#).

**TypeName**: The name of the type that conforms to the Common Language Infrastructure (CLI) as specified in [\[ECMA-335\]](#) and is understood by the .NET Framework. The format is as specified in [\[MS-NRTP\]](#) section 2.2.1.2.

**LobSystemName**: The name of the LobSystem that contains the TypeDescriptor.

The occurrence of the **BusinessLogicModule** element is required by SharePoint Foundation 2010 to yield to a **LobSystemName** element if the represented data type resides in the Business Logic Module associated with the LobSystem that contains the TypeDescriptor. Otherwise, the occurrence of **BusinessLogicModule** is required by SharePoint Foundation 2010 to be a **FullAssemblyName** element. The values for the **TypeName** specified in the following table do not require a **BusinessLogicModule**.

Value	Description
System.String	A string of Unicode text.
System.Int16	A number in the range from -32,768 through 32,767.
System.Int32	A number in the range from -2,147,483,648 through 2,147,483,647.
System.Int64	A number in the range from -9,223,372,036,854,775,808 through 9,223,372,036,854,775,807.
System.UInt16	A number in the range from zero through 65535.
System.UInt32	A number in the range from zero through 4,294,967,295.
System.UInt64	A number in the range from zero through 18,446,744,073,709,551,615.
System.DateTime	A date and time in the range from midnight, January 1, 0001 through 11:59:59 PM, December 31, 9999, with a resolution of 100 nanoseconds.
System.TimeSpan	A duration in the range from negative 10,675,199 days 2 hours 48 minutes 5 seconds 477 milliseconds 580 microseconds 800 nanoseconds through positive 10,675,199 days 2 hours 48 minutes 5 seconds 477 milliseconds 580 microseconds 700 nanoseconds, with a resolution of 100 nanoseconds.
System.Single	A single-precision number in the range from -3.402823e38 through 3.402823e38.
System.Double	A double-precision number in the range from -1.79769313486232e308 through 1.79769313486232e308, as well as positive zero, negative zero, positive infinity, negative infinity, and NaN.
System.Decimal	A number in the range from -79,228,162,514,264,337,593,543,950,335 through 79,228,162,514,264,337,593,543,950,335.
System.Char	A Unicode character.
System.Byte	A number in the range from zero through 255.
System.SByte	A number in the range from -128 through 127.
System.Guid	A GUID.
System.Boolean	A bit.

Value	Description
System.Uri	A <b>URL</b> .

<10> [Section 2.2.5.9](#): A Business Logic Module that conforms to the [\[ECMA-335\]](#) specification and is understood by the .NET Framework.

<11> [Section 3.1.4](#): In SharePoint Foundation 2010 implementation the protocol client specifies the last known values for these elements. The protocol server uses the specified values to construct error messages and other informational messages.

<12> [Section 3.1.4](#): A Business Logic Module that conforms to the [\[ECMA-335\]](#) specification and is understood by the .NET Framework.

<13> [Section 3.1.4](#): The Business Logic Module conforms to [\[ECMA-335\]](#) specification and is understood by the .NET Framework.

<14> [Section 3.1.4](#): SharePoint Foundation 2010 calls this method only when a deprecated public API is invoked.

<15> [Section 3.1.4](#): In SharePoint Foundation 2010, this operation always returns zero TypeDescriptors.

<16> [Section 3.1.4](#): The behavior would be identified by the specific implementation of the custom code that handles LobSystem data, and is not understood by the protocol server implementation.

<17> [Section 3.1.4](#): A set of Business Logic Modules that conform to the [\[ECMA-335\]](#) specification and is understood by the .NET Framework.

<18> [Section 3.1.4](#): SharePoint Foundation 2010 checks the edit rights of the security principal on the LobSystem to determine if the security principal is authorized to read the **LobSystem**.

<19> [Section 3.1.4](#): A Business Logic Module that conforms to the [\[ECMA-335\]](#) specification and is understood by the .NET Framework.

<20> [Section 3.1.4](#): SharePoint Foundation 2010 checks the edit rights of the security principal on the LobSystem to determine if the security principal is authorized to read the **LobSystem**.

<21> [Section 3.1.4](#): SharePoint Foundation 2010 checks the edit rights of the security principal on the LobSystem to determine if the security principal is authorized to read the LobSystem.

<22> [Section 3.1.4](#): SharePoint Foundation 2010 calls this method only when a deprecated public API is invoked.

<23> [Section 3.1.4.3](#): SharePoint Foundation 2010 does not return a fault when the specified **Entity** is not found.

<24> [Section 3.1.4.4.2.2](#): In SharePoint Foundation 2010, the **PartitionId** elements of these Entities are not an empty GUID.

<25> [Section 3.1.4.13](#): SharePoint Foundation 2010 returns a **MetadataException**, serialized as specified in section [2.2.4](#), in this case.

<26> [Section 3.1.4.13](#): SharePoint Foundation 2010 returns a **MetadataException**, serialized as specified in section [2.2.4](#), in this case.

<27> [Section 3.1.4.16](#): A Business Logic Module that conforms to the [\[ECMA-335\]](#) specification and is understood by the .NET Framework.

<28> [Section 3.1.4.16.2.1](#): A Business Logic Module that conforms to the [\[ECMA-335\]](#) specification and is understood by the .NET Framework.

<29> [Section 3.1.4.18](#): In SharePoint Foundation 2010, a security principal (2) is authorized to export a MetadataObject, if the same security principal is authorized to modify the same **MetadataObject**.

<30> [Section 3.1.4.19](#): The Business Logic Module conforms to [\[ECMA-335\]](#) specification and is understood by the .NET Framework.

<31> [Section 3.1.4.23](#): SharePoint Foundation 2010 does not return a fault in this case.

<32> [Section 3.1.4.23](#): SharePoint Foundation 2010 does not return a fault in this case.

<33> [Section 3.1.4.24](#): SharePoint Foundation 2010 does not return a fault in this case.

<34> [Section 3.1.4.25](#): SharePoint Foundation 2010 does not return a fault in this case.

<35> [Section 3.1.4.26](#): SharePoint Foundation 2010 does not return a fault in this case.

<36> [Section 3.1.4.32](#): SharePoint Foundation 2010 does not return a fault in this case.

<37> [Section 3.1.4.32](#): SharePoint Foundation 2010 does not return a fault in this case.

<38> [Section 3.1.4.34](#): SharePoint Foundation 2010 does not return a fault in this case.

<39> [Section 3.1.4.35](#): SharePoint Foundation 2010 does not return a fault in this case.

<40> [Section 3.1.4.37](#): SharePoint Foundation 2010 does not return a fault in this case.

<41> [Section 3.1.4.38](#): SharePoint Foundation 2010 calls this method only when a deprecated public API is invoked.

<42> [Section 3.1.4.39](#): SharePoint Foundation 2010 does not return a fault in this case.

<43> [Section 3.1.4.40](#): In SharePoint Foundation 2010, this operation always returns zero TypeDescriptors.

<44> [Section 3.1.4.40](#): SharePoint Foundation 2010 does not return a fault in this case.

<45> [Section 3.1.4.42](#): SharePoint Foundation 2010 does not return a fault in this case.

<46> [Section 3.1.4.44](#): SharePoint Foundation 2010 does not return a fault in this case.

<47> [Section 3.1.4.44](#): SharePoint Foundation 2010 does not return a fault in this case.

<48> [Section 3.1.4.45](#): SharePoint Foundation 2010 does not return a fault in this case.

<49> [Section 3.1.4.47](#): SharePoint Foundation 2010 does not return a fault in this case.

<50> [Section 3.1.4.49](#): SharePoint Foundation 2010 does not raise an error in this case.

<51> [Section 3.1.4.49](#): SharePoint Foundation 2010 does not raise an error in this case.

<52> [Section 3.1.4.55](#): SharePoint Foundation 2010 does not return a fault in this case.

[<53> Section 3.1.4.55:](#) SharePoint Foundation 2010 does not return a fault in this case.

[<54> Section 3.1.4.57:](#) SharePoint Foundation 2010 does not return a fault in this case.

[<55> Section 3.1.4.57:](#) SharePoint Foundation 2010 does not return a fault in this case.

[<56> Section 3.1.4.59:](#) SharePoint Foundation 2010 does not return a fault in this case.

[<57> Section 3.1.4.59:](#) SharePoint Foundation 2010 does not return a fault in this case.

[<58> Section 3.1.4.60:](#) The behavior would be identified by the specific implementation of the custom code that handles LobSystem data, and is not understood by the protocol server implementation.

[<59> Section 3.1.4.60:](#) SharePoint Foundation 2010 checks the edit rights of the security principal on the LobSystem to determine if the security principal is authorized to read the LobSystem.

[<60> Section 3.1.4.61.2.1:](#) SharePoint Foundation 2010 instead responds with an **ArgumentNullException** in this case.

[<61> Section 3.1.4.62:](#) SharePoint Foundation 2010 checks the edit rights of the security principal on the LobSystem to determine if the security principal is authorized to read the LobSystem.

[<62> Section 3.1.4.63:](#) A set of Business Logic Modules that conform to the [\[ECMA-335\]](#) specification and is understood by the .NET Framework.

[<63> Section 3.1.4.63:](#) SharePoint Foundation 2010 checks the edit rights of the security principal on the LobSystem to determine if the security principal is authorized to read the **LobSystem**.

[<64> Section 3.1.4.63:](#) SharePoint Foundation 2010 does not return a fault in this case.

[<65> Section 3.1.4.63.2.2:](#) A set of Business Logic Modules that conform to the [\[ECMA-335\]](#) specification and is understood by the .NET Framework.

[<66> Section 3.1.4.65:](#) SharePoint Foundation 2010 checks the edit rights of the security principal on the LobSystem to determine if the security principal is authorized to read the **LobSystem**.

[<67> Section 3.1.4.65:](#) SharePoint Foundation 2010 does not return a fault in this case.

[<68> Section 3.1.4.65:](#) SharePoint Foundation 2010 does not return a fault in this case.

[<69> Section 3.1.4.66:](#) A Business Logic Module that conforms to the [\[ECMA-335\]](#) specification and is understood by the .NET Framework.

[<70> Section 3.1.4.66:](#) SharePoint Foundation 2010 checks the edit rights of the security principal on the LobSystem to determine if the security principal is authorized to read the **LobSystem**.

[<71> Section 3.1.4.66.2.2:](#) A set of Business Logic Modules that conform to the [\[ECMA-335\]](#) specification and is understood by the .NET Framework.

[<72> Section 3.1.4.67:](#) SharePoint Foundation 2010 checks the edit rights of the security principal on the LobSystem to determine if the security principal is authorized to read the **LobSystem**.

[<73> Section 3.1.4.68:](#) SharePoint Foundation 2010 checks the edit rights of the security principal on the LobSystem to determine if the security principal is authorized to read the LobSystem.

[<74> Section 3.1.4.68:](#) SharePoint Foundation 2010 does not return a fault in this case.

<75> [Section 3.1.4.68:](#) SharePoint Foundation 2010 does not return a fault in this case.

<76> [Section 3.1.4.71:](#) SharePoint Foundation 2010 does not return a fault in this case.

<77> [Section 3.1.4.72:](#) SharePoint Foundation 2010 does not return a fault in this case.

<78> [Section 3.1.4.73:](#) SharePoint Foundation 2010 does not return a fault in this case.

<79> [Section 3.1.4.73:](#) SharePoint Foundation 2010 does not return a fault in this case.

<80> [Section 3.1.4.76:](#) SharePoint Foundation 2010 does not return a fault in this case.

<81> [Section 3.1.4.79:](#) SharePoint Foundation 2010 does not return a fault in this case.

<82> [Section 3.1.4.79:](#) SharePoint Foundation 2010 does not return a fault in this case.

<83> [Section 3.1.4.82.2.2:](#) SharePoint Foundation 2010 requires the identifier to be in the following format as expressed in ABNF as specified in [\[RFC5234\]](#):

```
Identifier = TypeName (%x2C FullAssemblyName)
FullAssemblyName = LibraryIdentifier %x2C VersionProperty %x2C CultureProperty %x2C
PublicKeyTokenProperty
```

where LibraryIdentifier, VersionProperty, PublicKeyTokenProperty, and CultureProperty are as specified in [\[MS-NRTP\]](#) section 2.2.1.3.

TypeName: The name of the type that conforms to the [\[ECMA-335\]](#) specification and can be understood by the .NET Framework. The format is as specified in [\[MS-NRTP\]](#), Section 2.2.1.2. The specified type implements operations that are described in [\[MSDN-SharePointSDK\]](#).

<84> [Section 3.1.4.87:](#) In the case where the MethodInstance is an AccessChecker, SharePoint Foundation 2010 does not respond with a fault, instead returns an invalid response, which MUST be ignored by the protocol client.

<85> [Section 3.1.4.87.2.2:](#) SharePoint Foundation 2010 uses XML namespace value "http://tempuri.org/XMLSchema.xsd/" concatenated with the namespace of the Entity that contains the specified MethodInstance.

<86> [Section 3.1.4.87.2.2:](#) SharePoint Foundation 2010 uses XML namespace value "http://schemas.microsoft.com/windows/2007/BusinessDataCatalog/Annotations".

<87> [Section 3.1.4.95:](#) SharePoint Foundation 2010 returns a fault containing the **InvalidOperationException** complex type (section [2.2.4.38](#)) in this case.

<88> [Section 3.1.4.97:](#) SharePoint Foundation 2010 returns a fault containing the **InvalidOperationException** complex type (section [2.2.4.38](#)) in this case.

<89> [Section 3.1.4.111:](#) SharePoint Foundation 2010 does not raise an error in this case.

<90> [Section 3.1.4.112:](#) SharePoint Foundation 2010 calls this method only when a deprecated public API is invoked.

## 8 Change Tracking

No table of changes is available. The document is either new or has had no changes since its last release.

## 9 Index

### A

[Abstract data model](#)  
    [server](#) 87  
[AccessControlEntryStruct complex type](#) 49  
[AccessDeniedException complex type](#) 50  
[AccessDeniedExceptionState complex type](#) 50  
[ActionParameterStruct complex type](#) 51  
[ActionStruct complex type](#) 51  
[Activate an Entity example](#) 481  
[Adding localized names for MetadataObjects example](#) 486  
[AdministrationMetadataCatalogStruct complex type](#) 52  
[Applicability](#) 43  
[ArgumentException complex type](#) 52  
[ArgumentNullException complex type](#) 52  
[ArgumentOutOfRangeException complex type](#) 53  
[ArrayOfAccessControlEntryStruct complex type](#) 53  
[ArrayOfAssociationStruct complex type](#) 53  
[ArrayOfEntityStruct complex type](#) 54  
[ArrayOfLobSystemStruct complex type](#) 54  
[ArrayOfLocalizedNameStruct complex type](#) 54  
[ArrayOfMethodInstanceStruct complex type](#) 55  
[ArrayOfModelStruct complex type](#) 55  
[ArrayOfPropertyStruct complex type](#) 55  
[ArrayOfstring complex type](#) 55  
[ArrayOfTypeDescriptorStruct complex type](#) 56  
[ArrayOfunsignedInt complex type](#) 56  
[AssociationGroupStruct complex type](#) 56  
[AssociationReferenceStruct complex type](#) 57  
[AssociationStruct complex type](#) 58  
[Attribute groups](#) 86  
[Attributes](#) 85

### B

[BdcException complex type](#) 59  
[BdcExceptionState complex type](#) 59

### C

[CacheUsage simple type](#) 78  
[Capability negotiation](#) 43  
[Change tracking](#) 774  
[char simple type](#) 79  
[Client](#)  
    [overview](#) 87  
[Complex types](#) 45  
    [AccessControlEntryStruct](#) 49  
    [AccessDeniedException](#) 50  
    [AccessDeniedExceptionState](#) 50  
    [ActionParameterStruct](#) 51  
    [ActionStruct](#) 51  
    [AdministrationMetadataCatalogStruct](#) 52  
    [ArgumentException](#) 52  
    [ArgumentNullException](#) 52  
    [ArgumentOutOfRangeException](#) 53  
    [ArrayOfAccessControlEntryStruct](#) 53

[ArrayOfAssociationStruct](#) 53  
    [ArrayOfEntityStruct](#) 54  
    [ArrayOfLobSystemStruct](#) 54  
    [ArrayOfLocalizedNameStruct](#) 54  
    [ArrayOfMethodInstanceStruct](#) 55  
    [ArrayOfModelStruct](#) 55  
    [ArrayOfPropertyStruct](#) 55  
    [ArrayOfstring](#) 55  
    [ArrayOfTypeDescriptorStruct](#) 56  
    [ArrayOfunsignedInt](#) 56  
    [AssociationGroupStruct](#) 56  
    [AssociationReferenceStruct](#) 57  
    [AssociationStruct](#) 58  
    [BdcException](#) 59  
    [BdcExceptionState](#) 59  
    [ComplexValueStruct](#) 60  
    [ConcurrentModificationExceptionState](#) 61  
    [DataClassStruct](#) 61  
    [DefaultValueStruct](#) 61  
    [DuplicateMetadataObjectExceptionState](#) 62  
    [EntityStruct](#) 62  
    [ExceededMetadataObjectLimitExceptionState](#) 63  
    [Exception](#) 63  
    [FilterDescriptorStruct](#) 64  
    [IdentifierStruct](#) 64  
    [InvalidMetadataObjectExceptionState](#) 65  
    [InvalidMetadataPropertyExceptionState](#) 66  
    [InvalidOperationException](#) 66  
    [LobSystemInstanceStruct](#) 67  
    [LobSystemStruct](#) 67  
    [LocalizedNameStruct](#) 67  
    [MetadataException](#) 68  
    [MetadataObjectNotFoundExceptionState](#) 68  
    [MetadataObjectStruct](#) 69  
    [MethodInstanceStruct](#) 70  
    [MethodStruct](#) 70  
    [ModelStruct](#) 71  
    [PackageFormatExceptionState](#) 71  
    [ParameterStruct](#) 72  
    [PropertyStruct](#) 72  
    [ProxyGenerationResult](#) 73  
    [SystemException](#) 73  
    [TypeDescriptorStruct](#) 74  
    [Version](#) 77  
    [ComplexValueStruct complex type](#) 60  
    [ConcurrentModificationExceptionState complex type](#) 61  
    [Creating an Entity example](#) 479  
    [Creating an LobSystem example](#) 475  
    [Creating properties for MetadataObjects example](#) 484

### D

[Data model - abstract](#)  
    [server](#) 87  
[DataClassStruct complex type](#) 61  
[DefaultValueStruct complex type](#) 61  
[Deleting an Entity example](#) 489

[DirectionType simple type](#) 79  
[DuplicateMetadataObjectExceptionState complex type](#) 62  
[duration simple type](#) 79

## E

[EntityStruct complex type](#) 62  
Events  
    [local - server](#) 474  
    [timer - server](#) 474  
Examples  
    [activate an Entity](#) 481  
    [adding localized names for MetadataObjects](#) 486  
    [creating an Entity](#) 479  
    [creating an LobSystem](#) 475  
    [creating properties for MetadataObjects](#) 484  
    [deleting an Entity](#) 489  
    [overview](#) 475  
    [reading an Entity](#) 483  
    [reading the security information of a MetadataObject](#) 478  
    [setting the security information of a MetadataObject](#) 476  
    [updating an Entity](#) 487  
[ExceededMetadataObjectLimitExceptionState complex type](#) 63  
[Exception complex type](#) 63

## F

[Fields - vendor-extensible](#) 43  
[FilterDescriptorStruct complex type](#) 64  
[FilterType simple type](#) 80  
[Full WSDL](#) 492

## G

[Glossary](#) 39  
[Groups](#) 85  
[guid simple type](#) 81

## I

[IdentifierStruct complex type](#) 64  
[Implementer - security considerations](#) 491  
[Index of security parameters](#) 491  
[Informative references](#) 42  
Initialization  
    [server](#) 93  
[Introduction](#) 39  
[InvalidMetadataObjectExceptionState complex type](#) 65  
[InvalidMetadataPropertyExceptionState complex type](#) 66  
[InvalidOperationException complex type](#) 66

## L

[LobSystemInstanceStruct complex type](#) 67  
[LobSystemStruct complex type](#) 67  
Local events

[server](#) 474  
[LocalizedNameStruct complex type](#) 67

## M

Message processing  
    [server](#) 93  
[Messages](#) 44  
    [AccessControlEntryStruct complex type](#) 49  
    [AccessDeniedException complex type](#) 50  
    [AccessDeniedExceptionState complex type](#) 50  
    [ActionParameterStruct complex type](#) 51  
    [ActionStruct complex type](#) 51  
    [AdministrationMetadataCatalogStruct complex type](#) 52  
    [ArgumentException complex type](#) 52  
    [ArgumentNullException complex type](#) 52  
    [ArgumentOutOfRangeException complex type](#) 53  
    [ArrayOfAccessControlEntryStruct complex type](#) 53  
    [ArrayOfAssociationStruct complex type](#) 53  
    [ArrayOfEntityStruct complex type](#) 54  
    [ArrayOfLobSystemStruct complex type](#) 54  
    [ArrayOfLocalizedNameStruct complex type](#) 54  
    [ArrayOfMethodInstanceStruct complex type](#) 55  
    [ArrayOfModelStruct complex type](#) 55  
    [ArrayOfPropertyStruct complex type](#) 55  
    [ArrayOfstring complex type](#) 55  
    [ArrayOfTypeDescriptorStruct complex type](#) 56  
    [ArrayOfunsignedInt complex type](#) 56  
    [AssociationGroupStruct complex type](#) 56  
    [AssociationReferenceStruct complex type](#) 57  
    [AssociationStruct complex type](#) 58  
    [attribute groups](#) 86  
    [attributes](#) 85  
    [BdcException complex type](#) 59  
    [BdcExceptionState complex type](#) 59  
    [CacheUsage simple type](#) 78  
    [char simple type](#) 79  
    [complex types](#) 45  
    [ComplexValueStruct complex type](#) 60  
    [ConcurrentModificationExceptionState complex type](#) 61  
    [DataClassStruct complex type](#) 61  
    [DefaultValueStruct complex type](#) 61  
    [DirectionType simple type](#) 79  
    [DuplicateMetadataObjectExceptionState complex type](#) 62  
    [duration simple type](#) 79  
    [elements](#) 45  
    [EntityStruct complex type](#) 62  
    [enumerated](#) 44  
    [ExceededMetadataObjectLimitExceptionState complex type](#) 63  
    [Exception complex type](#) 63  
    [FilterDescriptorStruct complex type](#) 64  
    [FilterType simple type](#) 80  
    [groups](#) 85  
    [guid simple type](#) 81  
    [IdentifierStruct complex type](#) 64  
    [InvalidMetadataObjectExceptionState complex type](#) 65



[InvalidMetadataPropertyExceptionState complex type](#) 66  
[InvalidOperationException complex type](#) 66  
[LobSystemInstanceStruct complex type](#) 67  
[LobSystemStruct complex type](#) 67  
[LocalizedNameStruct complex type](#) 67  
[MetadataException complex type](#) 68  
[MetadataObjectNotFoundExceptionState complex type](#) 68  
[MetadataObjectStruct complex type](#) 69  
[MethodInstanceStruct complex type](#) 70  
[MethodInstanceType simple type](#) 81  
[MethodStruct complex type](#) 70  
[ModelStruct complex type](#) 71  
[namespaces](#) 44  
[PackageContents simple type](#) 83  
[PackageFormatExceptionState complex type](#) 71  
[ParameterStruct complex type](#) 72  
[PropertyStruct complex type](#) 72  
[ProxyGenerationResult complex type](#) 73  
[simple types](#) 77  
[syntax](#) 44  
[SystemException complex type](#) 73  
[SystemType simple type](#) 84  
[transport](#) 44  
[TypeDescriptorFlags simple type](#) 85  
[TypeDescriptorStruct complex type](#) 74  
[Version complex type](#) 77  
[MetadataException complex type](#) 68  
[MetadataObjectNotFoundExceptionState complex type](#) 68  
[MetadataObjectStruct complex type](#) 69  
[MethodInstanceStruct complex type](#) 70  
[MethodInstanceType simple type](#) 81  
[MethodStruct complex type](#) 70  
[ModelStruct complex type](#) 71

**N**

[Namespaces](#) 44  
[Normative references](#) 41

**O**

Operations

[Activate](#) 110  
[AddAssociationReferenceToAssociationGroup](#) 113  
[AddEntityToModel](#) 116  
[BulkSwitchActiveOrValidate](#) 119  
[CheckPathInMethodInstances](#) 127  
[ClearLocalizedNames](#) 130  
[ClearProperties](#) 132  
[CopyAclAcrossChildren](#) 135  
[CopyAclAcrossChildrenForSetting](#) 138  
[CopyAclToSetting](#) 141  
[Deactivate](#) 143  
[Delete](#) 146  
[DeleteAssociationReferenceFromAssociationGroup](#) 150  
[DeleteDefaultValueForTypeDescriptor](#) 153  
[DeleteNoCascade](#) 156  
[DeleteProxyAssemblyForLobSystem](#) 160

[EntityCreate](#) 162  
[ExportPackage](#) 166  
[GenerateProxyAssemblyForLobSystem](#) 169  
[GetAccessControlEntries](#) 172  
[GetActionById](#) 175  
[GetActionParameterById](#) 178  
[GetActionParametersForAction](#) 180  
[GetActionsForEntity](#) 183  
[GetAllLocalizedNames](#) 186  
[GetAllLocalizedNamesForMetadataObjectStruct](#) 189  
[GetAllPartitionIds](#) 192  
[GetAllProperties](#) 194  
[GetAllPropertiesForMetadataObjectStruct](#) 197  
[GetAssociationById](#) 200  
[GetAssociationGroupById](#) 203  
[GetAssociationGroupsForEntity](#) 206  
[GetAssociationMembersInRole](#) 209  
[GetAssociationReferencesForAssociationGroup](#) 213  
[GetAssociationsForDataClass](#) 216  
[GetAssociationsForEntityAndRole](#) 219  
[GetAssociationsForMethod](#) 222  
[GetCacheInvalidationRecordsSince](#) 225  
[GetChildTypeDescriptorsForTypeDescriptor](#) 228  
[GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor](#) 230  
[GetDataClassById](#) 233  
[GetDataClassesForSystem](#) 236  
[GetDefaultValuesForTypeDescriptor](#) 239  
[GetEntitiesForAssociationAndRole](#) 242  
[GetEntitiesForSystem](#) 245  
[GetEntitiesLikeNameAndNamespace](#) 248  
[GetEntitiesReferencedByModelId](#) 252  
[GetEntityById](#) 255  
[GetEntityCount](#) 258  
[GetEntityNameAndNamespacesForAssociationAndRole](#) 260  
[GetEntityWithNameAndNamespace](#) 264  
[GetEntityWithNameAndNamespaceAndVersion](#) 266  
[GetFieldTypeDescriptorsByMethodInstance](#) 269  
[GetFilterDescriptorById](#) 273  
[GetFilterDescriptorsForMethod](#) 275  
[GetIdentifierById](#) 278  
[GetIdentifiersForEntity](#) 281  
[GetImportProgress](#) 284  
[GetLevelForTypeDescriptor](#) 286  
[GetLobSystemAllAssembliesBytes](#) 289  
[GetLobSystemById](#) 292  
[GetLobSystemByName](#) 295  
[GetLobSystemDataByLobSystem](#) 297  
[GetLobSystemInstanceById](#) 300  
[GetLobSystemInstancesForLobSystem](#) 303  
[GetLobSystemProxyAssemblyBytesByLobSystemId](#) 306  
[GetLobSystemsLikeName](#) 309  
[GetLobSystemsReferencedByEntitiesAssociatedWithModel](#) 312  
[GetMethodById](#) 316  
[GetMethodInstanceById](#) 319

- [GetMethodInstancesForDataClass](#) 321
- [GetMethodInstancesForMethod](#) 324
- [GetMethodsForDataClass](#) 327
- [GetModelById](#) 330
- [GetModelByName](#) 332
- [GetModelsByEntityId](#) 335
- [GetModelsByName](#) 338
- [GetParameterById](#) 341
- [GetParametersForMethod](#) 343
- [GetRootTypeDescriptorForParameter](#) 346
- [GetServiceApplicationId](#) 349
- [GetSystemUtilityTypeNameForLobSystem](#) 351
- [GetTypeDescriptorById](#) 354
- [GetTypeDescriptorsByNameAndLevelForParameter](#) 356
- [GetTypeDescriptorsForFilterDescriptor](#) 359
- [GetTypeReflectorTypeNameForParameter](#) 362
- [GetXmlSchemaForView](#) 365
- [HaveRights](#) 370
- [ImportPackage](#) 373
- [ImportPackageWithProgress](#) 379
- [IsMethodInstantiated](#) 385
- [IsParameterReferencedByMethodInstance](#) 387
- [MetadataObjectCreate](#) 390
- [MetadataObjectMergeXml](#) 399
- [MetadataObjectReadXml](#) 405
- [MetadataObjectWriteXml](#) 414
- [ModelReadXml](#) 419
- [ReadSlicedXml](#) 425
- [RemoveEntityFromModel](#) 428
- [RemoveLocalizedName](#) 431
- [RemoveProperty](#) 433
- [SaveLocalizedName](#) 436
- [SaveProperty](#) 439
- [SetAccessControlEntries](#) 441
- [SetDefaultActionForEntity](#) 444
- [SetDefaultValuesForTypeDescriptor](#) 447
- [SetLobSystemDataByLobSystemId](#) 450
- [TypeDescriptorCreate](#) 452
- [TypeDescriptorMergeXml](#) 456
- [TypeDescriptorReadXml](#) 460
- [Update](#) 465
- [WriteSlicedXml](#) 472
- [Overview \(synopsis\)](#) 42

## P

- [PackageContents simple type](#) 83
- [PackageFormatException complex type](#) 71
- [Parameters - security index](#) 491
- [ParameterStruct complex type](#) 72
- [Preconditions](#) 43
- [Prerequisites](#) 43
- [Product behavior](#) 768
- [PropertyStruct complex type](#) 72
- [ProxyGenerationResult complex type](#) 73

## R

- [Reading an Entity example](#) 483
- [Reading the security information of a MetadataObject example](#) 478

- References
  - [informative](#) 42
  - [normative](#) 41
  - [Relationship to other protocols](#) 42

## S

- Security
  - [implementer considerations](#) 491
  - [parameter index](#) 491
- Sequencing rules
  - [server](#) 93
- Server
  - [abstract data model](#) 87
  - [Activate operation](#) 110
  - [AddAssociationReferenceToAssociationGroup operation](#) 113
  - [AddEntityToModel operation](#) 116
  - [BulkSwitchActiveOrValidate operation](#) 119
  - [CheckPathInMethodInstances operation](#) 127
  - [ClearLocalizedNames operation](#) 130
  - [ClearProperties operation](#) 132
  - [CopyAclAcrossChildren operation](#) 135
  - [CopyAclAcrossChildrenForSetting operation](#) 138
  - [CopyAclToSetting operation](#) 141
  - [Deactivate operation](#) 143
  - [Delete operation](#) 146
  - [DeleteAssociationReferenceFromAssociationGroup operation](#) 150
  - [DeleteDefaultValueForTypeDescriptor operation](#) 153
  - [DeleteNoCascade operation](#) 156
  - [DeleteProxyAssemblyForLobSystem operation](#) 160
  - [details](#) 87
  - [EntityCreate operation](#) 162
  - [ExportPackage operation](#) 166
  - [GenerateProxyAssemblyForLobSystem operation](#) 169
  - [GetAccessControlEntries operation](#) 172
  - [GetActionById operation](#) 175
  - [GetActionParameterById operation](#) 178
  - [GetActionParametersForAction operation](#) 180
  - [GetActionsForEntity operation](#) 183
  - [GetAllLocalizedNames operation](#) 186
  - [GetAllLocalizedNamesForMetadataObjectStruct operation](#) 189
  - [GetAllPartitionIds operation](#) 192
  - [GetAllProperties operation](#) 194
  - [GetAllPropertiesForMetadataObjectStruct operation](#) 197
  - [GetAssociationById operation](#) 200
  - [GetAssociationGroupById operation](#) 203
  - [GetAssociationGroupsForEntity operation](#) 206
  - [GetAssociationMembersInRole operation](#) 209
  - [GetAssociationReferencesForAssociationGroup operation](#) 213
  - [GetAssociationsForDataClass operation](#) 216
  - [GetAssociationsForEntityAndRole operation](#) 219
  - [GetAssociationsForMethod operation](#) 222
  - [GetCacheInvalidationRecordsSince operation](#) 225

[GetChildTypeDescriptorsForTypeDescriptor operation](#) 228  
[GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor operation](#) 230  
[GetDataClassById operation](#) 233  
[GetDataClassesForSystem operation](#) 236  
[GetDefaultValuesForTypeDescriptor operation](#) 239  
[GetEntitiesForAssociationAndRole operation](#) 242  
[GetEntitiesForSystem operation](#) 245  
[GetEntitiesLikeNameAndNamespace operation](#) 248  
[GetEntitiesReferencedByModelId operation](#) 252  
[GetEntityById operation](#) 255  
[GetEntityCount operation](#) 258  
[GetEntityNameAndNamespacesForAssociationAndRole operation](#) 260  
[GetEntityWithNameAndNamespace operation](#) 264  
[GetEntityWithNameAndNamespaceAndVersion operation](#) 266  
[GetFieldTypeDescriptorsByMethodInstance operation](#) 269  
[GetFilterDescriptorById operation](#) 273  
[GetFilterDescriptorsForMethod operation](#) 275  
[GetIdentifierById operation](#) 278  
[GetIdentifiersForEntity operation](#) 281  
[GetImportProgress operation](#) 284  
[GetLevelForTypeDescriptor operation](#) 286  
[GetLobSystemAllAssembliesBytes operation](#) 289  
[GetLobSystemById operation](#) 292  
[GetLobSystemByName operation](#) 295  
[GetLobSystemDataByLobSystem operation](#) 297  
[GetLobSystemInstanceById operation](#) 300  
[GetLobSystemInstancesForLobSystem operation](#) 303  
[GetLobSystemProxyAssemblyBytesByLobSystemId operation](#) 306  
[GetLobSystemsLikeName operation](#) 309  
[GetLobSystemsReferencedByEntitiesAssociatedWithModel operation](#) 312  
[GetMethodById operation](#) 316  
[GetMethodInstanceById operation](#) 319  
[GetMethodInstancesForDataClass operation](#) 321  
[GetMethodInstancesForMethod operation](#) 324  
[GetMethodsForDataClass operation](#) 327  
[GetModelById operation](#) 330  
[GetModelByName operation](#) 332  
[GetModelsByEntityId operation](#) 335  
[GetModelsByName operation](#) 338  
[GetParameterById operation](#) 341  
[GetParametersForMethod operation](#) 343  
[GetRootTypeDescriptorForParameter operation](#) 346  
[GetServiceApplicationId operation](#) 349  
[GetSystemUtilityTypeNameForLobSystem operation](#) 351  
[GetTypeDescriptorById operation](#) 354  
[GetTypeDescriptorsByNameAndLevelForParameter operation](#) 356  
[GetTypeDescriptorsForFilterDescriptor operation](#) 359  
[GetTypeReflectorTypeNameForParameter operation](#) 362  
[GetXmlSchemaForView operation](#) 365  
[HaveRights operation](#) 370  
[ImportPackage operation](#) 373  
[ImportPackageWithProgress operation](#) 379  
[initialization](#) 93  
[IsMethodInstantiated operation](#) 385  
[IsParameterReferencedByMethodInstance operation](#) 387  
[local events](#) 474  
[message processing](#) 93  
[MetadataObjectCreate operation](#) 390  
[MetadataObjectMergeXml operation](#) 399  
[MetadataObjectReadXml operation](#) 405  
[MetadataObjectWriteXml operation](#) 414  
[ModelReadXml operation](#) 419  
[overview](#) 87  
[ReadSlicedXml operation](#) 425  
[RemoveEntityFromModel operation](#) 428  
[RemoveLocalizedName operation](#) 431  
[RemoveProperty operation](#) 433  
[SaveLocalizedName operation](#) 436  
[SaveProperty operation](#) 439  
[sequencing rules](#) 93  
[SetAccessControlEntries operation](#) 441  
[SetDefaultActionForEntity operation](#) 444  
[SetDefaultValuesForTypeDescriptor operation](#) 447  
[SetLobSystemDataByLobSystemId operation](#) 450  
[timer events](#) 474  
[timers](#) 93  
[TypeDescriptorCreate operation](#) 452  
[TypeDescriptorMergeXml operation](#) 456  
[TypeDescriptorReadXml operation](#) 460  
[Update operation](#) 465  
[WriteSlicedXml operation](#) 472  
[Setting the security information of a MetadataObject example](#) 476  
[Simple types](#) 77  
[CacheUsage](#) 78  
[char](#) 79  
[DirectionType](#) 79  
[duration](#) 79  
[FilterType](#) 80  
[guid](#) 81  
[MethodInstanceType](#) 81  
[PackageContents](#) 83  
[SystemType](#) 84  
[TypeDescriptorFlags](#) 85  
[Standards assignments](#) 43  
[Syntax](#)  
[messages - overview](#) 44  
[SystemException complex type](#) 73  
[SystemType simple type](#) 84  
**T**  
[Timer events](#)  
[server](#) 474  
[Timers](#)  
[server](#) 93  
[Tracking changes](#) 774

[Transport](#) 44  
[TypeDescriptorFlags simple type](#) 85  
[TypeDescriptorStruct complex type](#) 74  
Types  
    [complex](#) 45  
    [simple](#) 77

## U

[Updating an Entity example](#) 487

## V

[Vendor-extensible fields](#) 43  
[Version complex type](#) 77  
[Versioning](#) 43

## W

[WSDL](#) 492