

[MS-FSAS]: Administration Services Protocol Specification

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Revision Summary

| Date | Revision History | Revision Class | Comments |
|------------|------------------|----------------|--|
| 11/06/2009 | 0.1 | Major | Initial Availability |
| 02/19/2010 | 1.0 | Major | Updated and revised the technical content |
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1 Introduction

This document specifies the Administration Services Protocol. This protocol enables a protocol client to manage a search system.

1.1 Glossary

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

GUID
Hypertext Transfer Protocol (HTTP)
Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)
Kerberos
NT LAN Manager (NTLM) Authentication Protocol
property set
Transmission Control Protocol (TCP)

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

best bet
content collection
crawled property
crawled property category
endpoint
featured content
full-text index catalog
full-text index field
index schema
item
keyword
keyword rank
managed property
name server
one-way synonym
promoted document
promoted expression
promoted item
promoted location
property extraction
property extractor
proximity boost
quality rank
rank profile
recall
refiner
search component
search setting
search setting context
search setting group
Simple Object Access Protocol (SOAP)
SOAP fault
two-way synonym
Web service
Web Services Description Language (WSDL)
WSDL operation

WSDL port type XML namespace

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. 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.

[ISO-8601] International Organization for Standardization, "Data Elements and Interchange Formats - Information Interchange - Representation of Dates and Times", ISO/IEC 8601:2004, December 2004, <http://www.iso.org/iso/en/CatalogueDetailPage.CatalogueDetail?CSNUMBER=40874&ICS1=1&ICS2=140&ICS3=30>

Note There is a charge to download the specification.

[MS-FSCF] Microsoft Corporation, "[Content Feeding Protocol Specification](#)"

[MS-FSCMW] Microsoft Corporation, "[Configuration Middleware Protocol Specification](#)"

[MS-FSCX] Microsoft Corporation, "[Configuration \(XML-RPC\) Protocol Specification](#)"

[MS-FSFQL] Microsoft Corporation, "[Fast Query Language Structure](#)"

[MS-FSIADM] Microsoft Corporation, "[Indexer Administration and Status Protocol Specification](#)"

[MS-FSLRDS] Microsoft Corporation, "[Linguistic Resource Data Structure](#)"

[MS-FSMW] Microsoft Corporation, "[Middleware Protocol Specification](#)"

[MS-FSPSCFG] Microsoft Corporation, "[Processor Server Configuration File Format Specification](#)"

[MS-FSQRC] Microsoft Corporation, "[Query and Result Configuration Protocol Specification](#)"

[MS-FSQRCFG] Microsoft Corporation, "[Query and Result Configuration File Format Specification](#)"

[MS-FSRS] Microsoft Corporation, "[Resource Store Protocol Specification](#)"

[MS-FSSCFG] Microsoft Corporation, "[Search Configuration File Format Specification](#)"

[PROPVARIANT] Microsoft Corporation, "PROPVARIANT", <http://msdn.microsoft.com/en-us/library/aa380072.aspx>

[RFC2046] Freed, N., and Borenstein, N., "Multipurpose Internet Mail Extensions (MIME) Part Two: Media Types", RFC 2046, November 1996, <http://ietf.org/rfc/rfc2046.txt>

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, <http://www.rfc-editor.org/rfc/rfc2119.txt>

[SOAP1.2/1] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 1: Messaging Framework", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part1-20030624>

[SOAP1.2/2] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 2: Adjuncts", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part2-20030624>

[WSA1.0] World Wide Web Consortium, "Web Services Addressing 1.0 - WSDL Binding", W3C Candidate Recommendation, May 2006, <http://www.w3.org/TR/2006/CR-ws-addr-wsdl-20060529/>

[WSDL] Christensen, E., Curbera, F., Meredith, G., and Weerawarana, S., "Web Services Description Language (WSDL) 1.1", W3C Note, March 2001, <http://www.w3.org/TR/2001/NOTE-wsdl-20010315>

[WSSE 1.0] Nadalin, A., Kaler, C., Hallam-Baker, P., and Monzillo, R., Eds., "Web Services Security: SOAP Message Security 1.0 (WS-Security 2004)", OASIS Standard 200401, March 2004, <http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-soap-message-security-1.0.pdf>

[WSSP1.2] OASIS Standard, "WS-SecurityPolicy 1.2", July 2007, <http://docs.oasis-open.org/ws-sx/ws-securitypolicy/200702/ws-securitypolicy-1.2-spec-os.pdf>

[XML10] World Wide Web Consortium, "Extensible Markup Language (XML) 1.0 (Third Edition)", February 2004, <http://www.w3.org/TR/REC-xml>

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

[XMLNS] Bray, T., Hollander, D., Layman, A., et al., Eds., "Namespaces in XML 1.0 (Third Edition)", W3C Recommendation, December 2009, <http://www.w3.org/TR/2009/REC-xml-names-20091208/>

[XMLSCHEMA1] Thompson, H.S., Ed., Beech, D., Ed., Maloney, M., Ed., and Mendelsohn, N., Ed., "XML Schema Part 1: Structures", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/>

[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

[MC-NMF] Microsoft Corporation, ".NET Message Framing Protocol Specification".

[MS-FSADS] Microsoft Corporation, "Administration Database Schema"

[MS-FSO] Microsoft Corporation, "FAST Search System Overview"

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

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

1.3 Protocol Overview (Synopsis)

This document specifies a protocol that is used to manage a distributed search system.

The protocol enables a protocol client to control common administrative settings, such as how search queries are processed and how documents are processed before indexing. The protocol also enables protocol clients to retrieve updated settings to activate them. More specifically, this protocol enables a protocol client to do the following:

- Create, retrieve, and delete **search settings**, such as synonyms, promotions, and managed results
- Create, retrieve, and delete terms that are excluded from spell-checking
- Create, retrieve, and delete terms that are included or excluded from **property extraction**
- Create, retrieve, and delete **content collections**
- Manage the **index schema**

This protocol is typically used by three types of protocol clients:

- Protocol clients that primarily update administrative settings
- Protocol clients that primarily retrieve administrative settings
- Protocol clients that force activation of administrative settings

Protocol clients that update settings are typically end-user interfaces. Protocol clients that retrieve settings are typically other components that use the settings in a search system. Finally, protocol clients that force activation of administrative settings are typically either end-user interfaces or automatic jobs that run regularly. The last type of protocol client is needed to send and activate settings for **search components** that do not automatically retrieve their settings. The protocol for compilation and activation of spell-check exclusions in addition to property extraction exclusions and inclusions assumes that only one protocol client has this role.

A typical scenario for using this protocol is to configure how search queries are processed. A search components typically performs preprocessing of received query requests before executing the queries. Preprocessing can include spell-checking and synonym expansion. By using this protocol, a protocol client can update spell-check exclusions or synonyms, and the query and result service that performs the query preprocessing can use this protocol to download updated settings.

The following figure shows multiple protocol clients communicating with the protocol server.

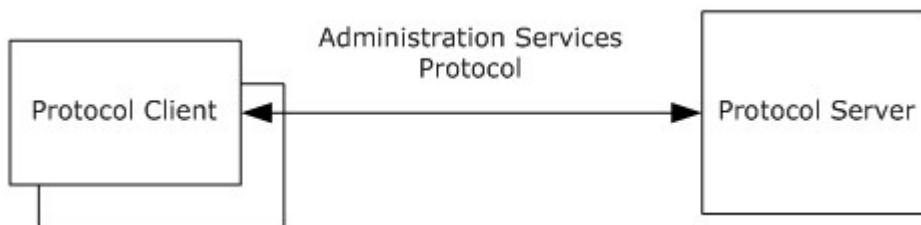


Figure 1: Communication in the Administration Services Protocol

1.4 Relationship to Other Protocols

This protocol uses the **SOAP** message protocol to format requests and responses, as described in [\[SOAP1.2/1\]](#) and [\[SOAP1.2/2\]](#). It transmits these messages by using the **TCP** protocol, as described in [\[MC-NMF\]](#).

The following diagram shows the underlying messaging and transport stack that the protocol uses:

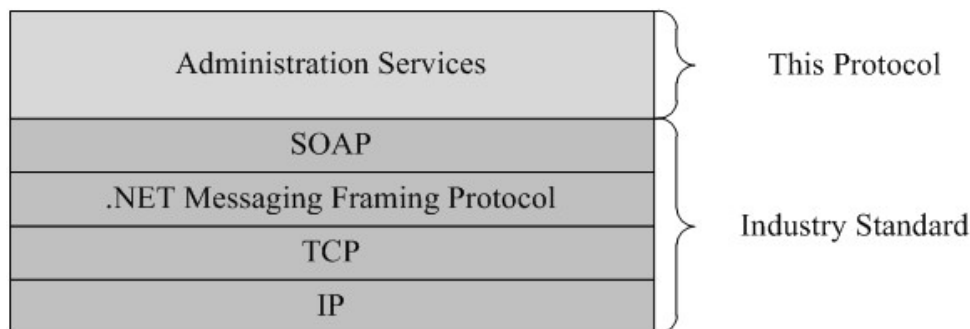


Figure 2: This protocol in relation to other protocols

1.5 Prerequisites/Preconditions

This protocol operates against a protocol server identified by a well-known URL, as described in section [2.1](#).

The protocol server has the location and connection information of the shared **name server**, as described in [\[MS-FSMW\]](#), and the location and connection information of the Resource Storage Protocol Server, as described in [\[MS-FSRS\]](#).

1.6 Applicability Statement

The protocol server includes operations for compiling and activating spell-check exclusion dictionaries in addition to property extraction exclusion and inclusion dictionaries. The protocol client that orchestrates these operations reads the "dirty" flag of the persisted dictionaries to see if a dictionary was modified after it was last compiled and activated. The protocol client clears this flag when the compilation and activation sequence begins. If an error occurs during the compilation and activation process, the protocol client re-enables the flag. This design enables a single protocol client to be responsible for orchestrating the compilation and activation of a dictionary at any given time. Note that different dictionaries can be compiled and activated by different protocol clients, and that this responsibility can pass between protocol clients over time.

1.7 Versioning and Capability Negotiation

None.

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

This protocol is carried out over a set of **Web services** as follows:

- Each Web Service MUST support SOAP over TCP.
- All protocol messages MUST be transported using TCP bindings at the transport level.
- Protocol messages MUST be formatted as specified in [\[SOAP1.2/1\]](#) SOAP Message Construct section 5. Protocol server faults MUST be returned via **SOAP faults** as specified in [\[SOAP1.2/1\]](#) SOAP Fault section 5.4.
- Protocol servers support security-enhanced communication between the protocol client and protocol server. The protocol implementation uses SOAP message security. Authentication occurs through either **Kerberos** or **NTLM**. The protocol client that uses the Web services MUST be a member of the FASTSearchAdministrators local group.

The protocol server has nine **endpoints (2)**, each of which is formed by appending a postfix to the URL of the protocol server. The postfixes are as follows:

- ContentCollectionService.svc
- CompiledDictionaryService.svc
- DeploymentService.svc
- KeywordService.svc
- LinguisticManagerService.svc
- PersistedDictionaryService.svc
- SchemaService.svc
- SpellCheckerService.svc
- TermEntityExtractorService.svc

An example of a protocol server endpoint (2) is
`http://www.contoso.com:3333/SpellCheckerService.svc`.

2.2 Common Message Syntax

This section contains common definitions that this protocol uses. The syntax of the definitions uses XML Schema as defined in [\[XML10\]](#), [\[XMLNS\]](#), [\[XMLINFOSET\]](#), [\[XMLSCHEMA1\]](#), and [\[XMLSCHEMA2\]](#), and Web Services Description Language as defined in [\[WSDL\]](#).

2.2.1 Namespaces

This specification defines and references various **XML namespaces** by 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. The following table describes these namespaces.

| Prefix | Namespace URI | Reference |
|--------|---|--|
| wsdl | http://schemas.xmlsoap.org/wsdl/ | [WSDL] |
| wsaw | http://www.w3.org/2006/05/addressing/wsdl | [WSA1.0] |
| soap12 | http://schemas.xmlsoap.org/wsdl/soap12/ | [SOAP1.2/1] [SOAP1.2/2] |
| wsu | http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd | [WSSE 1.0] |
| sp | http://schemas.xmlsoap.org/ws/2005/07/securitypolicy | [WSSP1.2] |
| msa | http://schemas.microsoft.com/2003/10/Serialization/Arrays | |
| scg | http://schemas.datacontract.org/2004/07/System.Collections.Generic | |
| sco | http://schemas.datacontract.org/2004/07/System.Collections.ObjectModel | |
| xsd | http://www.w3.org/2001/XMLSchema | [XMLSCHEMA1] [XMLSCHEMA2] |
| tns | http://Microsoft.SharePoint.Search.Extended.Administration | |
| wsp | http://schemas.xmlsoap.org/ws/2004/09/policy | [WSP1.5] |

2.2.2 Messages

None.

2.2.3 Elements

The following table specifies the set of common XML Schema elements for this specification. XML Schema element definitions that are specific to a particular **WSDL operation** are described with the operation.

| Element | Description |
|--------------------------|---|
| AdminExceptionWCF | The details of a SOAP fault. |
| AddTerm | The input data for an AddTerm operation. |
| AddTermResponse | The result data for an AddTerm operation. |
| Clean | The input data for a Clean operation. |
| CleanResponse | The result data for a Clean operation. |
| CleanTerms | The input data for a CleanTerms operation. |

| Element | Description |
|-----------------------------|--|
| CleanTermsResponse | The result data for a CleanTerms operation. |
| Contains | The input data for a Contains operation. |
| ContainsResponse | The result data for a Contains operation. |
| ContainsTerm | The input data for a ContainsTerm operation. |
| ContainsTermResponse | The result data for a ContainsTerm operation. |
| Get | The input data for a Get operation. |
| GetResponse | The result data for a Get operation. |
| GetAll | The input data for a GetAll operation. |
| GetAllResponse | The result data for a GetAll operation. |
| GetAllTerms | The input data for a GetAllTerms operation. |
| GetAllTermsResponse | The result data for a GetAllTerms operation. |
| GetTerms | The input data for a GetTerms operation. |
| GetTermsResponse | The result data for a GetTerms operation. |
| RemoveTerm | The input data for a RemoveTerm operation. |
| RemoveTermResponse | The result data for a RemoveTerm operation. |

2.2.3.1 AdminExceptionWCF

The **AdminExceptionWCF** element is of type **AdminExceptionWCF**. Section [2.2.4.1](#) specifies the **AdminExceptionWCF** complex type.

The following example specifies the structure of this element.

```
<xsd:element name="AdminExceptionWCF" nillable="true" type="tns:AdminExceptionWCF" />
```

2.2.3.2 AddTerm

The **AddTerm** element provides input data for an **AddTerm** operation, as specified in section [3.1.4.1](#) and section [3.2.4.1](#). The element contains information about the term to add and to which linguistic feature it is added.

The following example specifies the structure of this element.

```
<xsd:element name="AddTerm">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
type="tns:LinguisticsIdentifierDTO" />
      <xsd:element minOccurs="0" name="linguisticTermType" type="tns:LinguisticTermType" />
      <xsd:element minOccurs="0" name="term" nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```
</xsd:complexType>
</xsd:element>
```

name: The identifier of a spell-checker or **property extractor**.

linguisticTermType: The type of the term.

term: The term to add.

2.2.3.3 AddTermResponse

The **AddTermResponse** element provides result data for an **AddTerm** operation, as specified in section [3.1.4.1](#) and section [3.2.4.1](#).

The following example specifies the structure of this element.

```
<xsd:element name="AddTermResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
```

The element is empty.

2.2.3.4 Clean

The **Clean** element provides input data for a **Clean** operation, as specified in section [3.1.4.2](#) and section [3.2.4.2](#). The element contains information about a linguistic feature.

The following example specifies the structure of this element.

```
<xsd:element name="Clean">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
type="tns:LinguisticsIdentifierDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The identifier of a linguistic feature.

2.2.3.5 CleanResponse

The **CleanResponse** element contains result data for a **Clean** operation, as specified in section [3.1.4.2](#) and section [3.2.4.2](#).

The following example specifies the structure of this element.

```
<xsd:element name="CleanResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
```

```
</xsd:element>
```

The element is empty.

2.2.3.6 CleanTerms

The **CleanTerms** element provides input data for a **CleanTerms** operation, as specified in section [3.1.4.3](#) and section [3.2.4.3](#). The element contains information about a linguistic feature and the type of terms to delete.

The following example specifies the structure of this element.

```
<xsd:element name="CleanTerms">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
type="tns:LinguisticsIdentifierDTO" />
      <xsd:element minOccurs="0" name="linguisticTermType" type="tns:LinguisticTermType" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The identifier of a linguistic feature.

linguisticTermType: The type of the term.

2.2.3.7 CleanTermsResponse

The **CleanTermsResponse** element contains result data for a **CleanTerms** operation, as specified in section [3.1.4.3](#) and section [3.2.4.3](#).

The following example specifies the structure of this element.

```
<xsd:element name="CleanTermsResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
```

This element is empty.

2.2.3.8 Contains

The **Contains** element provides input data for a **Contains** operation, as specified in section [3.1.4.4](#) and section [3.2.4.4](#). The element contains information about a linguistic feature.

The following example specifies the structure of this element.

```
<xsd:element name="Contains">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
type="tns:LinguisticsIdentifierDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```

    </xsd:complexType>
  </xsd:element>

```

name: The identifier of a linguistic feature.

2.2.3.9 ContainsResponse

The **ContainsResponse** element provides result data for a **Contains** operation, as specified in section [3.1.4.4](#) and section [3.2.4.4](#). The element contains information about whether a linguistic feature exists.

The following example specifies the structure of this element.

```

<xsd:element name="ContainsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsResult" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

ContainsResult: The value is **true** if the linguistic feature exists; otherwise, the value is **false**.

2.2.3.10 ContainsTerm

The **ContainsTerm** element provides input data for a **ContainsTerm** operation, as specified in section [3.1.4.5](#) and section [3.2.4.5](#). The element contains information about a linguistic feature, a term, and the type of term.

The following example specifies the structure of this element.

```

<xsd:element name="ContainsTerm">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
type="tns:LinguisticsIdentifierDTO" />
      <xsd:element minOccurs="0" name="linguisticTermType" type="tns:LinguisticTermType" />
      <xsd:element minOccurs="0" name="term" nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

name: The identifier of a linguistic feature.

linguisticTermType: The type of the term.

Term: The term for which to search.

2.2.3.11 ContainsTermResponse

The **ContainsTermResponse** element provides result data for a **ContainsTerm** operation, as specified in section [3.1.4.5](#) and section [3.2.4.5](#). The element contains a Boolean value that specifies whether the term exists.

The following example specifies the structure of this element.

```
<xsd:element name="ContainsTermResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsTermResult" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ContainsTermResult: The value is **true** if the term exists; otherwise, the value is **false**.

2.2.3.12 Get

The **Get** element provides input data for a **Get** operation, as specified in section [3.1.4.6](#) and section [3.2.4.6](#). The element contains information about the number of elements to be retrieved and the direction in which the results are to be sorted. The offset and count parameters enable protocol clients to retrieve batches of terms from a potentially large result set.

The following example specifies the structure of this element.

```
<xsd:element name="Get">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="sortField" type="tns:SortField" />
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
      <xsd:element minOccurs="0" name="offset" type="xsd:int" />
      <xsd:element minOccurs="0" name="count" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

sortfield: The field to sort the result by.

direction: The direction in which to sort.

offset: The number of linguistic features to skip after sorting the result.

count: The number of linguistic features to retrieve.

2.2.3.13 GetResponse

The **GetResponse** element provides result data for a **Get** operation, as specified in section [3.1.4.6](#) and section [3.2.4.6](#). The element contains an array of linguistic feature identifiers.

The following example specifies the structure of this element.

```
<xsd:element name="GetResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetResult" nillable="true"
type="tns:ArrayOfLinguisticsIdentifierDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetResult: An array of linguistic feature identifiers.

2.2.3.14 GetAll

The **GetAll** element contains input data for a **GetAll** operation, as specified in section [3.1.4.7](#) and section [3.2.4.7](#).

The following example specifies the structure of this element.

```
<xsd:element name="GetAll">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
```

The element is empty.

2.2.3.15 GetAllResponse

The **GetAllResponse** element provides result data for a **GetAll** operation, as specified in section [3.1.4.7](#) and section [3.2.4.7](#). The element contains an array of linguistic feature identifiers.

The following example specifies the structure of this element.

```
<xsd:element name="GetAllResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetAllResult" nillable="true"
type="tns:ArrayOfLinguisticsIdentifierDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetAllResult: An array of linguistic feature identifiers.

2.2.3.16 GetAllTerms

The **GetAllTerms** element provides input data for a **GetAllTerms** operation, as specified in section [3.1.4.8](#) and section [3.2.4.8](#). The element contains information about the linguistic feature and the type of terms to retrieve.

The following example specifies the structure of this element.

```
<xsd:element name="GetAllTerms">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
type="tns:LinguisticsIdentifierDTO" />
      <xsd:element minOccurs="0" name="linguisticTermType" type="tns:LinguisticTermType" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The identifier of a linguistic feature.

linguisticsTermType: The type of term.

2.2.3.17 GetAllTermsResponse

The **GetAllTermsResponse** element provides result data for a **GetAllTerms** operation, as specified in section [3.1.4.8](#) and section [3.2.4.8](#). The element contains an array of terms.

The following example specifies the structure of this element.

```
<xsd:element name="GetAllTermsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetAllTermsResult" nillable="true"
type="msa:ArrayOfstring" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetAllTermsResult: An array of terms.

2.2.3.18 GetTerms

The **GetTerms** element provides input data for a **GetTerms** operation, as specified in section [3.1.4.9](#) and section [3.2.4.9](#). The element contains information about the linguistic feature, the type and number of terms to retrieve, and how to sort the terms. The offset and count parameters allow protocol clients to retrieve batches of terms from a potentially large result set.

The following example specifies the structure of this element.

```
<xsd:element name="GetTerms">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
type="tns:LinguisticsIdentifierDTO" />
      <xsd:element minOccurs="0" name="linguisticTermType" type="tns:LinguisticTermType" />
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
      <xsd:element minOccurs="0" name="offset" type="xsd:int" />
      <xsd:element minOccurs="0" name="count" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The identifier of a linguistic feature.

linguisticTermType: The type of the term.

direction: The direction in which to sort the result.

offset: The number of terms to skip after sorting the result.

count: The number of terms to retrieve.

2.2.3.19 GetTermsResponse

The **GetTermsResponse** element provides result data for a **GetTerms** operation, as specified in section [3.1.4.9](#) and section [3.2.4.9](#). The element contains an array of terms.

The following example specifies the structure of this element.

```
<xsd:element name="GetTermsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetTermsResult" nillable="true"
type="msa:ArrayOfString" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetTermsResult: An array of terms.

2.2.3.20 RemoveTerm

The **RemoveTerm** element provides input data for a **RemoveTerm** operation, as specified in section [3.1.4.10](#) and section [3.2.4.10](#). The element contains information about the linguistic feature, the type of term to delete, and the term.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveTerm">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
type="tns:LinguisticsIdentifierDTO" />
      <xsd:element minOccurs="0" name="linguisticTermType" type="tns:LinguisticTermType" />
      <xsd:element minOccurs="0" name="term" nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The identifier of a linguistic feature.

linguisticTermType: The type of term.

term: The term to delete.

2.2.3.21 RemoveTermResponse

The **RemoveTermResponse** element provides result data for a **RemoveTerm** operation, as specified in section [3.1.4.10](#) and section [3.2.4.10](#). The element contains a Boolean value that specifies whether the term was deleted.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveTermResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RemoveTermResult" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```



```

    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

RemoveTermResult: The value is **true** if the term was deleted; otherwise, the value is **false**.

2.2.4 Complex Types

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

| Complex type | Description |
|--|--|
| AdminExceptionWCF | Contains the details of a SOAP fault. |
| ArrayOfContextDTO | An array of elements of type ContextDTO . |
| ArrayOfPromotedItemDTO | An array of elements of type PromotedItemDTO . |
| ArrayOfSearchSettingDTO | An array of elements of type SearchSettingDTO . |
| ArrayOfKeyValueOfstringstring | An array of key-value pairs of strings. |
| ArrayOfKeyValuePairOfstringstring | An array of key-value pairs of strings. |
| ArrayOfLinguisticsIdentifierDTO | An array of elements of type LinguisticsIdentifierDTO . |
| ArrayOfstring | An array of string values. |
| BestBetDTO | Contains information about a best bet . |
| CommonDTOMembers | Contains information that is common for search setting groups , keywords , search settings, search setting contexts , and context expression nodes. |
| ContentCollectionDTO | Contains information about a content collection. |
| ContextDTO | Contains information about a search setting context. |
| ContextExpressionDTO | Contains information about a context expression node. |
| FeaturedContentDTO | Contains information about featured content . |
| KeyValuePairOfstringstring | Contains a key/value pair of strings. |
| KeywordDTO | Contains information about a keyword. |
| LinguisticsIdentifierDTO | Contains the unique identifier of a linguistic feature. |

| Complex type | Description |
|---|--|
| ManagedResultDTO | Contains properties common to featured content and best bets. |
| PromotedItemDTO | Contains information common to promoted documents , promoted expressions , and promoted locations . |
| PromotedDocumentDTO | Contains information about a promoted document. |
| PromotedExpressionDTO | Contains information about a promoted expression. |
| Promoted LocationDTO | Contains information about a promoted location. |
| PromotionDTO | Contains information about a promotion. |
| ReadOnlyCollectionOfKeyValuePairOfStringstringR8RmUPp7 | An array of string values. |
| SearchSettingDTO | Contains information about a search setting. |
| SearchSettingGroupDTO | Contains information about a search setting group. |
| SynonymDTO | Contains information about a synonym. |
| ManagedPropertyDTO | Contains information about a managed property . |
| RefinerConfigurationDTO | Contains information about a refiner configuration. |
| CategoryDTO | Contains information about a crawled property category . |
| FullTextIndexDTO | Contains information about a full-text index field. |
| CrawledPropertyDTO | Contains information about a crawled property . |
| RankProfileDTO | Contains information about a rank profile . |
| QualityComponentDTO | Contains information about a quality rank component. |
| FullTextIndexRankComponentDTO | Contains information about a full-text index field rank component. |
| ManagedPropertyBoostComponentDTO | Contains information about a managed property keyword rank component. |
| FullTextIndexMappingDTO | Contains information about the full-text index fields of which managed properties are members. |

| Complex type | Description |
|--|---|
| ArrayOfCrawledPropertyDTO | An array of elements of type CrawledPropertyDTO . |
| ArrayOfManagedPropertyDTO | An array of elements of type ManagedPropertyDTO . |
| ArrayOfguid | An array of GUIDs . |
| ArrayOfCategoryDTO | An array of elements of type CategoryDTO . |
| ArrayOfFullTextIndexDTO | An array of elements of type FullTextIndexDTO . |
| ArrayOfRankProfileDTO | An array of elements of type RankProfileDTO . |
| ArrayOfFullTextIndexMappingDTO | An array of elements of type FullTextIndexMappingDTO . |
| ArrayOfFullTextIndexRankComponentDTO | An array of elements of type FullTextIndexRankComponentDTO . |
| ArrayOfManagedPropertyBoostComponentDTO | An array of elements of type ManagedPropertyBoostComponentDT O . |
| ArrayOfQualityComponentDTO | An array of elements of type QualityComponentDTO . |

2.2.4.1 AdminExceptionWCF

The **AdminExceptionWCF** complex type contains data for an error message.

AdminExceptionWCF contains an error code and an array of string values that the protocol client uses to create a valid error message.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="AdminExceptionWCF">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="ErrorCode" nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="Values" nillable="true" type="msa:ArrayOfstring" />
  </xsd:sequence>
</xsd:complexType>
```

ErrorCode: Represents an error condition. The following table lists the valid error codes.

Values: This array of strings contains up to four values that provide further explanation of the error. Typically, these values contain the name or identifier of the elements that were involved in the operation that failed. The value columns in the following table list the values that **MUST** be included for each error code.

| Error code | Description | Value 1 | Value 2 |
|------------|--|---|--|
| E101 | Unsupported sort field. | The sort field that is not supported. | Not applicable. |
| E102 | The protocol server specified in [MS-FSCMW] could not be found. | Not applicable. | Not applicable. |
| E103 | An error occurred in the persistence layer. | Not applicable. | Not applicable. |
| E104 | Could not resolve a constant as an environment variable. | The constant. | Not applicable. |
| E105 | Could not create client proxy for a back-end component. | The name of the back-end component. | Not applicable. |
| E106 | Failed to call a back-end component. | The name of the back-end component. | Not applicable. |
| E107 | Failed to communicate with the WCF service. | Not applicable | Not applicable |
| E108 | Could not retrieve database meta data from the 'admin.meta' table. | Not applicable | Not applicable |
| E109 | Error occurred during deployment. Please review the AdminService logs. | Not applicable | Not applicable |
| E201 | Invalid content collection name. | The name of the content collection. | Not applicable. |
| E202 | Invalid configuration of the protocol specified in [MS-FSCMW]. | Not applicable. | Not applicable. |
| E204 | A content collection with the same name already exists. | The name of the content collection. | Not applicable. |
| E205 | The content collection name is too long. | The name of the content collection. | Maximum size, in characters, of a content collection name. |
| E206 | Unable to resume a temporarily stopped process. | The number of times an attempt to resume was retried. | Not applicable. |
| E207 | Failed to add the content collection. | The name of the content collection. | Not applicable. |
| E208 | Cannot retrieve all content collections. | Not applicable. | Not applicable. |
| E209 | Failed to retrieve the configuration from the protocol server specified in [MS-FSCMW]. | Not applicable. | Not applicable. |
| E210 | Failed to update content collection. | The name of the content collection. | Not applicable. |

| Error code | Description | Value 1 | Value 2 |
|------------|--|--|---------------------------------------|
| E211 | Error in the configuration of the protocol server specified in [MS-FSIADM] . | Not applicable. | Not applicable. |
| E212 | Unable to retrieve information from the protocol server specified in [MS-FSIADM] . | The information that could not be retrieved. | Not applicable. |
| E213 | The content collection name is invalid. | The name of the content collection. | Not applicable. |
| E214 | Invalid parameter value. | The parameter value. | Not applicable. |
| E216 | The content collection does not exist. | The name of the content collection. | Not applicable. |
| E302 | The operation is not supported. | The name of the operation. | Not applicable. |
| E303 | The keyword already exists as a synonym. | The name of the keyword. | Not applicable. |
| E304 | The keyword already exists in a search setting group. | The name of the keyword. | The name of the search setting group. |
| E306 | The record was not found in the table. | The identifier of the record. | The table name. |
| E308 | The synonym already exists as a keyword. | The name of the synonym. | Not applicable. |
| E310 | The search setting group already exists. | The name of the search setting group. | Not applicable. |
| E311 | A context expression node of type "NOT" can have only one child. | Not applicable. | Not applicable. |
| E312 | The search setting already exists in a search setting group. | The name of the search setting. | The name of the search setting group. |
| E313 | Cannot add the search setting to the filtered collection because it does not match the filter. | The name of the search setting. | The filter. |
| E314 | The synonym already exists. | The name of the synonym. | Not applicable. |
| E315 | The root node of the context expression is not set. | Not applicable. | Not applicable. |
| E316 | The keyword A already exists as a synonym for another keyword B . | The keyword A . | The keyword B . |
| E317 | The search setting does not exist. | The name of the search setting. | Not applicable. |
| E318 | The term is reserved and cannot be used as a keyword. | The term. | Not applicable. |

| Error code | Description | Value 1 | Value 2 |
|------------|--|--|-----------------|
| E319 | The promoted item already exists for a promotion. | The promoted item. | Not applicable. |
| E401 | The persisted dictionary does not exist. | The name of the persisted dictionary. | Not applicable. |
| E402 | A persisted dictionary with the same name already exists. | The name of the persisted dictionary. | Not applicable. |
| E404 | An entry with the specified key does not exist. | The key value. | Not applicable. |
| E405 | An entry with the same key already exists. | The key value. | Not applicable. |
| E406 | A persisted dictionary name is not valid. | An expression that specifies valid characters. | Not applicable. |
| E501 | The managed property does not exist. | The name of the managed property. | Not applicable. |
| E502 | The crawled property category already exists. | The name of the crawled property category. | Not applicable. |
| E503 | The crawled property is already mapped to a crawled property category. | The GUID of the crawled property. | Not applicable. |
| E504 | A managed property with the specified name already exists. | The name of the managed property. | Not applicable. |
| E505 | A managed property cannot be deleted. | The name of the managed property. | Not applicable. |
| E506 | The refiner configuration does not exist. | Not applicable. | Not applicable. |
| E507 | A full-text index field with the specified name already exists. | The name of the full-text index field. | Not applicable. |
| E508 | A full-text index field with the specified name does not exist. | The name of the full-text index field. | Not applicable. |
| E509 | The full-text index field with the specified name cannot be deleted. | The name of the full-text index field. | Not applicable. |
| E510 | Cannot create the crawled property. | Not applicable. | Not applicable. |
| E513 | Unable to retrieve the crawled property with the specified name. | The name of the crawled property. | Not applicable. |
| E514 | Cannot delete the crawled property with the specified name. | The name of the crawled property. | Not applicable. |
| E515 | Unable to add the crawled property to the crawled | The GUID of the | Not applicable. |

| Error code | Description | Value 1 | Value 2 |
|------------|--|--|-----------------|
| | property category. | crawled property. | |
| E516 | The RefinementEnabled property of the managed property is set to false . | Not applicable. | Not applicable. |
| E517 | The crawled property does not exist. | Not applicable. | Not applicable. |
| E518 | A crawled property category with the specified name does not exist. | The name of the crawled property category. | Not applicable. |
| E519 | Cannot delete the default full-text index field. | The name of the full-text index field. | Not applicable. |
| E520 | The full-text index rank component does not exist. | Not applicable. | Not applicable. |
| E521 | An error occurred while deleting the full-text index rank component. | Not applicable. | Not applicable. |
| E522 | The keyword rank component does not exist. | Not applicable. | Not applicable. |
| E523 | An error occurred while deleting the keyword rank component. | Not applicable. | Not applicable. |
| E524 | The quality rank component does not exist. | Not applicable. | Not applicable. |
| E525 | An error occurred while deleting the quality rank component. | Not applicable. | Not applicable. |
| E526 | A rank profile with the specified name already exists. | The name of the rank profile. | Not applicable. |
| E527 | An error occurred while creating the quality rank component. | Not applicable. | Not applicable. |
| E528 | An error occurred while creating the full-text index rank component. | Not applicable. | Not applicable. |
| E529 | An error occurred while creating the keyword rank component. | Not applicable. | Not applicable. |
| E530 | The rank profile with the specified name does not exist. | The name of the rank profile. | Not applicable. |
| E531 | Cannot delete the default rank profile. | The name of the rank profile. | Not applicable. |
| E532 | An error occurred while deleting the full-text index mapping. | Not applicable. | Not applicable. |
| E533 | The managed property used as a freshness managed property reference is not of the type ManagedType Datetime . | Not applicable. | Not applicable. |
| E534 | The specified integer value does not correspond to a valid managed type. | The value. | Not applicable. |

| Error code | Description | Value 1 | Value 2 |
|------------|--|--|-----------------|
| E535 | The crawled property is not associated with a crawled property category. | The GUID of the crawled property. | Not applicable. |
| E536 | The specified integer value does not represent a valid managed property sortable type. | The value. | Not applicable. |
| E537 | The managed property and crawled property already exist. | Not applicable. | Not applicable. |
| E538 | When getting a crawled property by name, the GUID and variant type MUST also be set. | Not applicable. | Not applicable. |
| E539 | Invalid parameter set. | Not applicable. | Not applicable. |
| E540 | The specified integer value does not represent a valid DateTime resolution type. | The specified integer value. | Not applicable. |
| E541 | The operation could not be finished successfully. | Not applicable. | Not applicable. |
| E542 | A crawled property cannot be associated with the managed property. | Not applicable. | Not applicable. |
| E543 | The schema operation requires that the content of the index is deleted. The server MUST be configured to enable this by setting the AllowIndexPurgeOnSchemaUpdate option in the configuration. | Not applicable. | Not applicable. |
| E544 | The item summary type specified for the managed property does not exist. | Missing item summary type. | Not applicable. |
| E545 | Enabling substring on a managed property requires that the content of the index is deleted. The server MUST be configured to enable this by setting the AllowIndexPurgeOnSchemaUpdate option in the configuration. | Not applicable. | Not applicable. |
| E546 | Only managed properties of type "text" can be mapped | The name of the managed property | Not applicable |
| E547 | Could not delete crawled property category mapping to property set | The crawled property category mapping. | Not applicable |
| E548 | Every managed property mapped to the same full-text index field MUST have the same SubstringEnabled setting. | Not applicable | Not applicable |
| E549 | A managed property with the StemmingEnabled setting enabled cannot have the SubstringEnabled setting enabled. | Not applicable | Not applicable |
| E550 | Managed property boost component already exists. | Not applicable | Not applicable |
| E551 | Stemming value cannot be set for this type of managed property. | Not applicable | Not applicable |
| E552 | Error when communicating with the protocol server | The | Not applicable |

| Error code | Description | Value 1 | Value 2 |
|------------|--|---------------------------------|-----------------------|
| | specified in [MS-FSCX] | communication error message | |
| E553 | Result fallback cannot be updated because summary type of this managed property is not dynamic | Not applicable | Not applicable |
| E600 | Could not find the file. | The name of the file. | Not applicable. |
| E601 | Could not read the content of the file. | The name of the file. | Not applicable. |
| E701 | Could not upload to the protocol server specified in [MS-FSRS] . | Not applicable. | Not applicable. |
| E702 | Could not download from the protocol server specified in [MS-FSRS]. | Not applicable. | Not applicable. |
| E703 | Could not delete from the protocol server specified in [MS-FSRS]. | Not applicable. | Not applicable. |
| E704 | Could not retrieve the time stamp from the protocol server specified in [MS-FSRS]. | Not applicable. | Not applicable. |
| E705 | Could not list resources on the protocol server specified in [MS-FSRS]. | Not applicable. | Not applicable. |
| E706 | Could not check the existence of a resource on the protocol server specified in [MS-FSRS]. | Not applicable. | Not applicable. |
| E707 | The path points to a directory; a file was expected. | The path. | Not applicable. |
| E708 | Could not retrieve the time at which the resource was last modified. | The resource identifier. | Not applicable. |
| E709 | Could not retrieve the name of the resource. | The resource identifier. | Not applicable. |
| E710 | Could not retrieve the type of the resource. | The resource identifier. | Not applicable. |
| E711 | Unable to communicate with the protocol server specified in [MS-FSRS]. | Not applicable. | Not applicable. |
| E712 | The file path is invalid. | The file path. | Not applicable. |
| E801 | Invalid result-view name. Only lowercase alphanumeric characters are valid | The result view name. | Not applicable. |
| E802 | Is a reserved result-view name | The result view name. | Not applicable |
| E803 | Invalid managed property reference in result-view name. Managed property MUST exist. | The managed property reference. | The result view name. |
| E804 | Multiple occurrences of managed property reference in result-view name. | The managed property reference | The result view name. |

| Error code | Description | Value 1 | Value 2 |
|------------|--|---|-------------------------------|
| E806 | Invalid refiner name. Names MUST be lowercase alphanumeric. | The refiner name. | Not applicable. |
| E807 | Duplicate refiner name. | The refiner name. | Not applicable. |
| E808 | managed propertyRefiner MUST contain exactly one managed property reference with type not set to modifier. | The refiner name. | Not applicable. |
| E809 | Refiner contains more than one managed property reference of type modifier. | The refiner name. | Not applicable. |
| E810 | Refiner managed property reference does not exist. | The refiner managed property reference. | Not applicable. |
| E811 | Refiner modifier managed property reference does not exist. | The refiner modifier managed property reference | Not applicable. |
| E812 | Invalid resolution for numeric refiner. MUST be positive float. | The refiner name. | Not applicable. |
| E813 | Invalid divisor for numeric refiner. MUST be positive float. | The refiner name. | Not applicable. |
| E814 | Invalid intervals for numeric refiner. MUST be positive integer. | The refiner name | Not applicable. |
| E815 | Numeric refiner managed property reference does not exist. | The refiner managed property reference. | Not applicable. |
| E816 | Numeric refiner managed property reference has incompatible numeric type. | The refiner managed property reference. | The type. |
| E818 | Full text index name collides with other managed property, scope-field or full text index. | The full text index name. | Not applicable. |
| E819 | Only one full text index can be declared default. | Not applicable. | Not applicable. |
| E820 | Invalid full text index name. Only lowercase alphanumeric characters are valid. | The full text index name. | Not applicable. |
| E821 | Maximum number of managed property references in full text index is 8. | The full text index name. | The actual number of entries. |
| E822 | Invalid managed property reference in full text index. Managed property MUST exist. | The managed property reference. | The full text index name. |
| E823 | Invalid managed property reference in full text index. Managed property MUST be of type text. | The managed property reference. | The full text index name. |
| E824 | Managed property reference occurs more than once in the full text index'. | The managed property reference. | The full text index name. |

| Error code | Description | Value 1 | Value 2 |
|------------|--|----------------------------|----------------------------|
| E827 | No managed property reference with specified importance level for full text index. All integers from 1-x MUST be represented as an importance level, with 7 being the maximum value for x. | The importance level. | The full text index name. |
| E828 | Managed property (local-field) name occurs more than once in full text index. | Managed property name. | The full text index name. |
| E832 | Invalid substring value for full text index. MUST be a positive integer. | The full text index name. | Not applicable. |
| E833 | Invalid managed property name. Reserved name. | The managed property name. | Not applicable. |
| E834 | Invalid managed property name. Only lowercase alphanumeric characters are valid. | The managed property name. | Not applicable. |
| E835 | Duplicate managed property name in field-list. | The managed property name. | Not applicable. |
| E837 | Invalid maxIndexSize element for managed property. Valid value range: 0 through 2097151 kilobytes. | The index size. | Not applicable. |
| E838 | Invalid maxResultSize for managed property. Valid value range: 0 through 2097151 kilobytes. | The result size. | Not applicable. |
| E839 | Invalid decimal-precision for decimal managed property. Valid value range is -28 to 28. | The decimal precision. | The managed property. |
| E840 | The fallback reference references a non-existent managed property. | The fallback reference. | Not applicable. |
| E841 | Fallback-ref field needs to be in result. Summary type MUST be set to "static". | The fallback reference. | Not applicable. |
| E842 | Invalid substring value for managed property. MUST be a positive integer. | The managed property name. | Not applicable. |
| E843 | Managed property is of the wrong type. Only text properties can have a full text index-mapping. | The managed property | The managed property type. |
| E844 | Invalid full text index name in full text index mapping for managed property. Full text index does not exist. | The full text index name. | The managed property. |
| E845 | Invalid full text index name (composite-fieldname) in the full text index mapping (composite-mapping) for managed property: composite-field does not have local-field child objects. | The composite field name. | The managed property name. |
| E846 | Duplicate full text index mapping for managed property. There can be only one mapping to the same full text index for a specified managed property in the field-list. | The full text index name. | The managed property. |
| E849 | Only one rank profile can be the default profile. | Not applicable | Not applicable. |
| E850 | Rank-profile name is invalid. Rank profile names MUST be lowercase. | The rank profile name. | Not applicable. |

| Error code | Description | Value 1 | Value 2 |
|------------|--|-----------------------------------|---------------------------------|
| E851 | Rank profile names MUST be unique. | The rank profile name. | Not applicable. |
| E852 | Rank profile name MUST be unique in the managed property namespace. A managed property already exists. | The rank profile name. | The managed property name. |
| E853 | Invalid value for StopWordThreshold in rank profile. The managed property MUST be a float or integer in the range from 0 through 4294967295. | The stop word threshold. | The rank profile name. |
| E854 | Invalid value for PositionStopWordThreshold in rank profile. MUST be a number in the range from 0 through 4294967295. | The position stop word threshold. | The rank profile name. |
| E857 | Invalid quality weight in rank profile. The weight value MUST be a non-negative integer. | The quality weight. | The rank profile name. |
| E858 | Duplicate quality weight component name found in the rank profile. | The quality weight. | The rank profile name. |
| E859 | Problem with quality weight component in the rank profile. No managed property with name and type int or float with sorting enabled exists. | The rank profile name. | The managed property name. |
| E861 | Invalid weight for authority weight component of the rank profile. The weight value MUST be a non-negative integer. | The quality weight. | The rank profile name. |
| E862 | The authority weight component of rank profile references the managed property, which is not referenced by the full text index. | The authority weight. | The managed property name. |
| E863 | Authority component error for the rank profile. A managed property reference exists in a full text index, but it has wrong type. Only type "external" is valid. | The rank profile name. | The managed property reference. |
| E864 | No managed property reference exists for the authority weight of the rank profile. This is valid only if the authority node has weight set to 0. | The rank profile name. | Not applicable. |
| E865 | Invalid weight for query authority component of the rank profile. The weight value MUST be a non-negative integer. | The weight. | The rank profile name. |
| E866 | Query authority for the rank profile. A managed property reference does not exist in any full text index mappings. | The rank profile. | The managed property reference. |
| E867 | Query authority for the rank profile. A managed property reference exists in the full text index mappings, but it has the wrong type. Only type "external" is valid. | The rank profile. | The managed property reference. |
| E868 | No managed property reference exists in authority node of the rank profile. This is valid only if authority component has weight 0. | The rank profile. | Not applicable. |

| Error code | Description | Value 1 | Value 2 |
|------------|---|----------------------|---------------------------------|
| E869 | Invalid weight for freshness component of rank profile. The weight value MUST be a non-negative integer. | The weight. | The rank profile. |
| E870 | Freshness for the rank profile. A managed property reference does not exist in the list of managed properties. Remove the reference and set freshness weight to 0 to disable the freshness rank component. | The rank profile. | The managed property reference. |
| E871 | Freshness for the rank profile. A managed property reference exists in the list of managed properties, but has wrong type. Type MUST be datetime. | The rank profile. | The managed property reference. |
| E872 | No managed property reference exists for the freshness rank component of the rank profile. This is valid only if freshness weight is set to 0. | The rank profile. | Not applicable. |
| E873 | Invalid resolution for freshness component of the rank profile. Datetime resolution MUST be "second", "minute", "hour", "day", or "year". | The resolution. | The rank profile. |
| E874 | Invalid weight associated with the managed property boost component of the rank profile. Weight value MUST be a non-negative integer. | The weight. | The rank profile. |
| E875 | Managed property Boosts (rank profile {0}): Managed property {1} does not exist in the list of managed properties. | The rank profile. | The managed property. |
| E876 | Managed property Boosts for rank profile: Boost for the managed property is illegal. A parsing error occurred when parsing the values for the managed property boost component. Expecting comma-separated list of keywords,boost values. | The rank profile. | The managed property. |
| E879 | The full text index reference in the rank profile does not exist. | The full-text index. | The rank profile. |
| E884 | A managed property weight for the full text index in rank profile is referring to the authority managed property. This is not allowed. | The full-text index. | The rank profile. |
| E885 | A field weight for the full-text index in the rank-profile is referring to the managed property used for query-authority. This is not allowed. | The full-text index | The rank profile. |
| E889 | Refiner has a modifier managed property reference that is not searchable. | The refiner name. | The managed property reference. |
| E890 | Refiner has a managed property reference that is not searchable. | The refiner name. | The managed property reference. |
| E999 | An unknown error occurred. | Not applicable. | Not applicable. |

The following table describes the errors messages with three or more values.

| Error code | Description | Value 1 | Value 2 | Value 3 | Value 4 |
|------------|--|----------------------------|---|---|---------------------------|
| E805 | Result-view has a managed property reference which contains a fallback reference to field. This fallback managed property MUST also be included in the result-view. | The result view. | The managed property reference. | The field. | Not applicable. |
| E817 | Numeric refiner with managed property reference of type {0} is associated with an invalid conversion specifier in range-label. | The refiner name | The managed property reference. | The type. | The conversion specifier. |
| E825 | Invalid importance level for managed property reference in full text index. MUST be integer in the range 1-8. | The importance level. | The managed property reference. | The full text index name. | Not applicable. |
| E826 | Invalid field-separation-length for managed property reference in full text index. MUST be integer in the range from 0 through 256. | The separation length. | The managed property reference. | The full text index name. | Not applicable. |
| E829 | Invalid importance-level for managed property reference (local-field) in full text index. MUST be integer in the range from 1 through 8. | The importance level. | The managed property reference. | The full text index name. | Not applicable. |
| E831 | Invalid drill-level for managed property (local-field) in full text index. MUST be integer in the range from 1 through 8. | The drill level. | The managed property. | The full text index name. | Not applicable. |
| E836 | Internal property naming conflict. Managed property name {0} that begins with {1} cannot be used when {2} is used for another field. | The managed property name. | A restricted prefix. One of the values "elem", "vec", "lem", "res", "nco", "ncn" or "read". | The conflicting managed property name (name without restricted prefix). | Not applicable. |
| E848 | Invalid managed property importance level in the full text index mapping for the managed property associated with the internal property name. Legal range is from 1 through 8. | The managed property. | The internal property name. | The importance level. | Not applicable. |

| Error code | Description | Value 1 | Value 2 | Value 3 | Value 4 |
|------------|--|--|---|---------------------------|-------------------|
| E855 | Rank model template name does not correspond to name specified in the rank profile. | The referenced rank model template name. | The name specified in the rank model template definition. | The rank profile name. | Not applicable. |
| E856 | Rank model template specified in the rank profile cannot be loaded. File does not exist. | The rank model template. | The rank profile. | The file name. | Not applicable. |
| E860 | Invalid weight for quality weight component of the rank profile. Weight value MUST be a non-negative integer. | The weight. | The quality weight component. | The rank profile. | Not applicable. |
| E877 | Managed property Boosts in the rank profile. Boost for managed property contains non-valid values: The number of comma-separated items (keyword,boost) MUST be even. | The rank profile. | The managed property. | The number of items. | Not applicable. |
| E878 | Managed property Boosts. Boost for a managed property has illegal values: Found non-integer boost value. | The rank profile. | The managed property. | The boost value. | Not applicable. |
| E880 | Invalid weight for the proximity component for the full text index of the rank profile. Weight value MUST be a non-negative integer. | The weight. | The full text index. | The rank profile. | Not applicable. |
| E881 | Invalid weight for the context component for the full text index of the rank profile. Weight value MUST be a non-negative integer. | The weight. | The full text index. | The rank profile. | Not applicable. |
| E882 | Invalid value for managed property weight component of the full text index rank of the rank profile. Value attribute MUST be a non-negative integer. | The weight. | The field reference. | The full text index rank. | The rank profile. |
| E883 | A reference to the managed property occurs in more than one field-weight for full text index | The managed property. | The full text index. | The rank profile. | Not applicable. |

| Error code | Description | Value 1 | Value 2 | Value 3 | Value 4 |
|------------|--|----------------------|----------------------------------|-------------------|---|
| | in the rank profile. This is not allowed. | | | | |
| E886 | Rank field-weight reference for the full text index of the rank profile is not mapped to the full text index. | The weight | The full text index. | The rank profile. | The full text index. |
| E887 | Rank field-weight for the full text index in the rank profile has an invalid value. Boost value MUST be a non-negative integer. | The weight. | The full text index. | The rank profile. | The value. |
| E888 | Full text index contains importance levels of managed properties (excluding any field used for authority or query authority boosting), but the rank profile assigns context boosts to levels only. | The full text index. | The number of importance levels. | The rank profile. | The number of possible importance levels. |

2.2.4.2 ArrayOfContextDTO

The **ArrayOfContextDTO** complex type contains an array of elements of type **ContextDTO**.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="ArrayOfContextDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="ContextDTO"
      nillable="true" type="tns:ContextDTO" />
  </xsd:sequence>
</xsd:complexType>
```

2.2.4.3 ArrayOfPromotedItemDTO

The **ArrayOfPromotedItemDTO** complex type contains an array of elements of type **PromotedItemDTO**.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="ArrayOfPromotedItemDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="PromotedItemDTO"
      nillable="true" type="tns:PromotedItemDTO" />
  </xsd:sequence>
</xsd:complexType>
```


2.2.4.4 ArrayOfSearchSettingDTO

The **ArrayOfSearchSettingDTO** complex type contains an array of elements of type **SearchSettingDTO**.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="ArrayOfSearchSettingDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="SearchSettingDTO"
      nillable="true" type="tns:SearchSettingDTO" />
  </xsd:sequence>
</xsd:complexType>
```

2.2.4.5 ArrayOfKeyValueOfstringstring

The **ArrayOfKeyValueOfstringstring** complex type contains an array of pairs of string values.

The following example specifies the structure of this complex type.

Defined in namespace <http://schemas.microsoft.com/2003/10/Serialization/Arrays>.

```
<xsd:complexType name="ArrayOfKeyValueOfstringstring">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="KeyValueOfstringstring">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="Key" nillable="true" type="xsd:string" />
          <xsd:element name="Value" nillable="true" type="xsd:string" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

Key: First string value in a given pair of string values.

Value: Second string value in a given pair of string values.

2.2.4.6 ArrayOfKeyValuePairOfstringstring

The **KeyValuePairOfstringstring** complex type contains an array of elements of type **KeyValuePairOfstringstring**.

The following example specifies the structure of this complex type.

Defined in namespace <http://schemas.datacontract.org/2004/07/System.Collections.Generic>.

```
<xsd:complexType name="ArrayOfKeyValuePairOfstringstring">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="KeyValuePairOfstringstring"
      type="scg:KeyValuePairOfstringstring" />
  </xsd:sequence>
</xsd:complexType>
```

2.2.4.7 ArrayOfLinguisticsIdentifierDTO

The **ArrayOfLinguisticsIdentifierDTO** complex type contains an array of elements of type **LinguisticsIdentifierDTO**.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="ArrayOfLinguisticsIdentifierDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="LinguisticsIdentifierDTO"
      nillable="true" type="tns:LinguisticsIdentifierDTO" />
  </xsd:sequence>
</xsd:complexType>
```

2.2.4.8 ArrayOfstring

The **ArrayOfstring** complex type contains an array of strings.

The following example specifies the structure of this complex type.

Defined in namespace <http://schemas.microsoft.com/2003/10/Serialization/Arrays>.

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

string: A string value.

2.2.4.9 BestBetDTO

The **BestBetDTO** complex type provides information about a best bet.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="BestBetDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:ManagedResultDTO">
      <xsd:sequence />
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

2.2.4.10 CommonDTOMembers

The **CommonDTOMembers** complex type contains information that is common to the types keyword, search setting, search setting context, and context expression. Whenever an operation is specified to accept or return elements of type **CommonDTOMembers**, an extending type **MUST** be used instead.

The following example specifies the structure of this complex type.

```

<xsd:complexType name="CommonDTOMembers" mixed="true">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="Description" nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="Group" nillable="true" type="tns:SearchSettingGroupDTO" />
  </xsd:sequence>
  <xsd:element minOccurs="0" name="Id" type="xsd:long" />
  <xsd:element minOccurs="0" name="LastChanged" type="xsd:dateTime" />
  <xsd:element minOccurs="0" name="Name" nillable="true" type="xsd:string" />
  <xsd:attribute ref="ser:Id" />
  <xsd:attribute ref="ser:Ref" />
</xsd:complexType>

```

Name: The name of the element.

Description: The description of the element.

Group: The search setting group to which the element belongs.

Id: The unique identifier of the element that is assigned by the protocol server.

LastChanged: The date and time at which the element on the protocol server was last modified, in Coordinated Universal Time (UTC).

2.2.4.11 ContentCollectionDTO

The **ContentCollectionDTO** complex type provides information about a content collection.

The following example specifies the structure of this complex type.

```

<xsd:complexType name="ContentCollectionDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="Cleared" nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="Created" nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="Description" nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="LastInput" nillable="true" type="xsd:dateTime" />
    <xsd:element minOccurs="0" name="Name" nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="NumDocs" type="xsd:int" />
    <xsd:element minOccurs="0" name="Pipeline" nillable="true" type="xsd:string" />
  </xsd:sequence>
</xsd:complexType>

```

Cleared: A string that contains the date and time of the last clearance, formatted as specified in [\[ISO-8601\]](#).

Created: A string that contains the date and time of the creation, formatted as specified in [\[ISO-8601\]](#).

Description: A description of the content collection.

LastInput: The date and time at which the content collection was last changed.

Name: The name of the content collection.

NumDocs: The number of items in the content collection.

Pipeline: An implementation-specific string constant. This value MUST be "Office14 (webcluster)".

2.2.4.12 ContextDTO

The **ContextDTO** complex type provides information about a search setting context.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="ContextDTO" mixed="true" >
  <xsd:complexContent>
    <xsd:extension base="tns:CommonDTOMembers">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="ContextExpressionRoot" nillable="true"
type="tns:ContextExpressionDTO" />
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

ContextExpressionRoot: The root node of the context expression tree.

2.2.4.13 ContextExpressionDTO

The **ContextExpressionDTO** complex type provides information about a context expression node.

Two categories of context expression nodes exist: aggregate context expression nodes, which MUST have child nodes, and atomic context expression nodes, which MUST NOT have child nodes. The parent/child relationship between context expression nodes is represented through the **Parent** element.

The following example specifies the structure of this element.

```
<xsd:complexType name="ContextExpressionDTO" mixed="true ">
  <xsd:complexContent>
    <xsd:extension base="tns:CommonDTOMembers">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="ContextId" type="xsd:long" />
        <xsd:element minOccurs="0" name="ExpressionType" type="tns:ExpressionTypes" />
        <xsd:element minOccurs="0" name="Parent" nillable="true"
type="tns:ContextExpressionDTO" />
        <xsd:element minOccurs="0" name="Value" nillable="true" type="xsd:string" />
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

ContextId: The identifier of the context expression node.

Parent: The parent node of the context expression node.

ExpressionType: The type of the context expression node. The expression type of an atomic context expression node MUST be **MATCH**. The expression type of an aggregate context expression node MUST be either **AND**, **OR**, or **NOT**.

Value: The value of the context expression node.

2.2.4.14 FeaturedContentDTO

The **FeaturedContentDTO** complex type provides information about featured content.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="FeaturedContentDTO" mixed="true" >
  <xsd:complexContent>
    <xsd:extension base="tns:ManagedResultDTO">
      <xsd:sequence />
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

2.2.4.15 KeyValuePairOfStringString

The **KeyValuePairOfStringString** complex type contains a pair of string values.

The following example specifies the structure of this complex type.

Defined in namespace <http://schemas.datacontract.org/2004/07/System.Collections.Generic>.

```
<xsd:complexType name="KeyValuePairOfStringString">
  <xsd:sequence>
    <xsd:element name="key" nillable="true" type="xsd:string" />
    <xsd:element name="value" nillable="true" type="xsd:string" />
  </xsd:sequence>
</xsd:complexType>
```

key: The first string value in the pair.

value: The second string value in the pair.

2.2.4.16 KeywordDTO

The **KeywordDTO** complex type contains information about a keyword.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="KeywordDTO" mixed="true ">
  <xsd:complexContent>
    <xsd:extension base="tns:CommonDTOMembers">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="SearchSettings" nillable="true"
type="tns:ArrayOfSearchSettingDTO" />
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

SearchSettings: The array of the search settings associated with the keyword.

2.2.4.17 LinguisticsIdentifierDTO

The **LinguisticsIdentifierDTO** complex type contains information about a linguistic feature.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="LinguisticsIdentifierDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="Language" type="tns:Language" />
    <xsd:element minOccurs="0" name="Name" nillable="true" type="xsd:string" />
  </xsd:sequence>
</xsd:complexType>
```

Language: The language for the linguistic feature.

Name: The name of the linguistic feature.

2.2.4.18 ManagedResultDTO

The **ManagedResultDTO** complex type represents the properties that featured content and best bets share. When an operation is specified to accept or return a **ManagedResultDTO** complex type, one of the extending complex types **FeaturedContentDTO** or **BestBetDTO** MUST be used instead.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="ManagedResultDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:SearchSettingDTO">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="Position" nillable="true" type="xsd:short" />
        <xsd:element minOccurs="0" name="Teaser" nillable="true" type="xsd:string" />
        <xsd:element minOccurs="0" name="TeaserContentType" nillable="true" type="xsd:string" />
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

Position: The position of the managed result. Protocol clients use this value to control position in display lists.

TeaserContentType: MIME content type of the teaser, as specified in [\[RFC2046\]](#). This value can be **null**.

Teaser: Teaser text. This value can be **null**.

Uri: A URL of an external document.

2.2.4.19 PromotedItemDTO

The **PromotedItemDTO** complex type contains information that is common to promoted documents, promoted expressions, and promoted locations. When an operation is specified to accept or return an element of type **PromotedItemDTO**, one of its extensions

PromotedDocumentDTO, **PromotedExpressionDTO**, or **PromotedLocationDTO** MUST be used instead.

The following example specifies the structure for this complex type.

```
<xsd:complexType name="PromotedItemDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:CommonDTOMembers">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="PromotedItemSpec" nillable="true" type="xsd:string"
        />
        <xsd:element minOccurs="0" name="PromotedItemType" type="tns:KeywordItemType" />
        <xsd:element minOccurs="0" name="PromotionId" type="xsd:long" />
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

PromotedItemSpec: For extensions of type **PromotedDocumentDTO**, this is the document identifier. For extensions of type **PromotedLocationDTO**, this is the URI. For extensions of type **PromotedExpressionDTO**, this is the query.

PromotedItemType: An enumeration of promoted item types. The following table specifies the valid promoted item types.

| Value | Meaning |
|--------------------|--|
| PromotedDocument | Indicates that the item is a promoted document. |
| PromotedLocation | Indicates that the item is a promoted location. |
| PromotedExpression | Indicates that the item is a promoted expression. |

PromotionId: The identifier of the promotion to which the promoted item belongs.

Description (inherited from CommonDTOMemebers): Not used.

Group (inherited from CommonDTOMemebers): Not used.

Name (inherited from CommonDTOMemebers): Not used.

2.2.4.20 PromotedDocumentDTO

The **PromotedDocumentDTO** complex type contains information about a promoted document.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="PromotedDocumentDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:PromotedItemDTO">
      <xsd:sequence />
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

2.2.4.21 PromotedExpressionDTO

The **PromotedExpressionDTO** complex type contains information about a promoted expression.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="PromotedExpressionDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:PromotedItemDTO">
      <xsd:sequence />
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

2.2.4.22 PromotedLocationDTO

The **PromotedLocationDTO** complex type contains information about a promoted location.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="PromotedLocationDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:PromotedItemDTO">
      <xsd:sequence />
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

2.2.4.23 PromotionDTO

The **PromotionDTO** complex type contains information about a promotion.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="PromotionDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:SearchSettingDTO">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="BoostValue" type="xsd:int" />
        <xsd:element minOccurs="0" name="PromotedItems" nillable="true"
type="tns:ArrayOfPromotedItemDTO" />
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

BoostValue: The boost value for this promotion.

PromotedItems: An array of the promoted items that belong to the promotion.

2.2.4.24 ReadOnlyCollectionOfKeyValuePairOfStringstringR8RmUPp7

The **ReadOnlyCollectionOfKeyValuePairOfStringstringR8RmUPp7** complex type contains an element of type **ArrayOfKeyValuePairOfStringstring**.

Defined in namespace <http://schemas.datacontract.org/2004/07/System.Collections.ObjectModel>.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="ReadOnlyCollectionOfKeyValuePairOfStringstringR8RmUPp7">
  <xsd:sequence>
    <xsd:element name="list" nillable="true" type="scg:ArrayOfKeyValuePairOfStringstring" />
  </xsd:sequence>
</xsd:complexType>
```

list: An **ArrayOfKeyValuePairOfStringstring** complex type.

2.2.4.25 SearchSettingDTO

The **SearchSettingDTO** complex type contains information that is common to best bets, featured content, synonyms, and promotions. When an operation is specified to accept or return an element of this type, one of the extending types **BestBetDTO**, **FeaturedContentDTO**, **SynonymDTO**, or **PromotionDTO** MUST be used instead.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="SearchSettingDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:CommonDTOMembers">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="Contexts" nillable="true"
type="tns:ArrayOfContextDTO" />
        <xsd:element minOccurs="0" name="ValidFrom" nillable="true" type="xsd:dateTime" />
        <xsd:element minOccurs="0" name="ValidTo" nillable="true" type="xsd:dateTime" />
        <xsd:element minOccurs="0" name="keyword" nillable="true" type="tns:KeywordDTO" />
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

Contexts: The contexts with which the search setting is associated.

ValidFrom: The date and time from which the search setting is valid. This MUST be **null** if the search setting is valid immediately.

ValidTo: The date and time to which a search setting is valid. This MUST be **null** if the search setting is expected to be valid indefinitely.

keyword: The identifier of the keyword to which the search setting belongs.

2.2.4.26 SearchSettingGroupDTO

The **SearchSettingGroupDTO** complex type contains information about a search setting group.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="SearchSettingGroupDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="Description" nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="Id" type="xsd:long" />
  </xsd:sequence>
</xsd:complexType>
```

```

    <xsd:element minOccurs="0" name="LastChanged" type="xsd:dateTime" />
    <xsd:element minOccurs="0" name="Name" nillable="true"
      type="xsd:string" />
  </xsd:sequence>
</xsd:complexType>

```

Description: The description of the search setting group.

Id: The unique identifier of the search setting group, as assigned by the protocol server.

LastChanged: The date and time at which the search setting group was last modified.

Name: The name of the search setting group.

2.2.4.27 **SynonymDTO**

The **SynonymDTO** complex type contains information about a synonym.

The following example specifies the structure of this complex type.

```

<xsd:complexType name="SynonymDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:SearchSettingDTO">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="ContextId" nillable="true" type="xsd:long" />
        <xsd:element minOccurs="0" name="ExpansionType" type="tns:SynonymExpansionType" />
        <xsd:element minOccurs="0" name="Term" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

```

ContextId: The identifier of the search setting context that is associated with the synonym.

Term: The synonym term.

ExpansionType: The expansion type of the synonym.

2.2.4.28 **ManagedPropertyDTO**

The **ManagedPropertyDTO** complex type contains information about a managed property.

The following example specifies the structure of this complex type.

```

<xsd:complexType name="ManagedPropertyDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="DecimalPlaces" type="xsd:int"/>
    <xsd:element minOccurs="0" name="DeleteDisallowed" type="xsd:boolean"/>
    <xsd:element minOccurs="0" name="Description" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" name="Id" type="xsd:long"/>
    <xsd:element minOccurs="0" name="IsMapped" type="xsd:boolean" />
    <xsd:element minOccurs="0" name="MappingDisallowed" type="xsd:boolean"/>
    <xsd:element minOccurs="0" name="MaxIndexSize" type="xsd:int"/>
    <xsd:element minOccurs="0" name="MaxResultSize" type="xsd:int"/>
    <xsd:element minOccurs="0" name="MergeCrawledProperties" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>

```

```

<xsd:element minOccurs="0" name="Name" type="xsd:string"/>
<xsd:element minOccurs="0" name="Queryable" type="xsd:boolean"/>
<xsd:element minOccurs="0" name="RefinementEnabled" type="xsd:boolean"/>
<xsd:element minOccurs="0" name="ResultFallbackRef" type="xsd:long"/>
<xsd:element minOccurs="0" name="SortableType" type="xsd:int"/>
<xsd:element minOccurs="0" name="StemmingEnabled" type="xsd:boolean"/>
<xsd:element minOccurs="0" name="SubstringEnabled" type="xsd:boolean"/>
<xsd:element minOccurs="0" name="SummaryTypeValue" type="xsd:int"/>
<xsd:element minOccurs="0" name="Type" type="xsd:int"/>
</xsd:sequence>
</xsd:complexType>

```

DecimalPlaces: Specifies the number of decimals that are persisted. The valid value range is -28 to 28.

DeleteDisallowed: The value is **true** if the managed property cannot be deleted; otherwise, the value is **false**.

Description: A description of the managed property. This value is optional and is empty by default.

Id: The identifier of the managed property.

IsMapped: The value is **true** if any crawled properties are mapped to this managed property; otherwise, the value is **false**.

MappingDisallowed: The value is **true** if mapping is not valid; otherwise, the value is **false**.

MaxIndexSize: Specifies the maximum number of kilobytes that are indexed for a managed property. This value applies on to the **Text** and **Scope** properties.

MaxResultSize: Specifies the maximum result size.

MergeCrawledProperties: Determines whether the value of the managed property is selected from a single crawled property in the crawled property mapping, or if all values are merged.

Name: The name of the managed property.

Queryable: With this attribute enabled, the managed property can be included in the query operators and filter terms.

RefinementEnabled: The value is **true** if refinement is enabled; otherwise, the value is **false**.

ResultFallbackRef: A reference to the result fallback.

SortableType: Specifies how the managed property is sorted. For more details, see the following table.

| Value | Member | Description |
|-------|-------------------------|--|
| 0 | SortableDisabled | A managed property that cannot be used for sorting through the query API. |
| 1 | SortableEnabled | A managed property that is defined as sortable and can be used for sorting through the query API. |
| 2 | LatentSortable | A managed property that is prepared for sorting but needs to be changed to SortableEnabled to be used for sorting through the query API. In contrast to switching from SortableDisabled to SortableEnabled , this |

| Value | Member | Description |
|-------|--------|---|
| | | does not require reprocessing of the content. |

StemmingEnabled: The value is **true** if stemming is enabled; otherwise, the value is **false**.

SubstringEnabled: The value is **true** if the substring is enabled for the managed property; otherwise, the value is **false**.

SummaryTypeValue: Specifies whether this managed property produces a summary. For details, see the following table.

| Value | Member | Description |
|-------|-----------------|--|
| 0 | Disabled | The summary is disabled for this managed property. |
| 1 | Static | The summary is statically generated. |
| 2 | Dynamic | The summary is dynamically generated. |

Type: Enumeration of the types of managed properties. For details, see the following table.

| Value | Member | Description |
|-------|-----------------|---|
| 1 | Text | A field of type Text/String . |
| 2 | Integer | A field of type Signed Integer . |
| 3 | Boolean | A field of type Boolean . |
| 4 | Float | A field of type Float . |
| 5 | Decimal | A field of type Decimal . |
| 6 | DateTime | A field of type DateTime . |

2.2.4.29 RefinerConfigurationDTO

The following example specifies the structure of the **RefinerConfigurationDTO** complex type.

```
<xsd:complexType name="RefinerConfigurationDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="Algorithm" nillable="true" type="xsd:int"/>
    <xsd:element minOccurs="0" name="Anchoring" nillable="true" type="xsd:int"/>
    <xsd:element minOccurs="0" name="CutoffMaxBucket" nillable="true" type="xsd:int"/>
    <xsd:element minOccurs="0" name="DefaultValue" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" name="Divisor" nillable="true" type="xsd:float"/>
    <xsd:element minOccurs="0" name="ID" nillable="true" type="xsd:long"/>
    <xsd:element minOccurs="0" name="Intervals" nillable="true" type="xsd:int"/>
    <xsd:element minOccurs="0" name="RefinementType" type="xsd:int"/>
    <xsd:element minOccurs="0" name="Resolution" nillable="true" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

Algorithm: Specifies which algorithm to use for discretization. The default value is "EqualFrequency". For details, see the following table.

| Member | Description | Value |
|-----------------------|---|-------|
| EqualFrequency | The buckets can have value ranges of various widths. This algorithm ensures that approximately the same number of observations falls into each bucket. This is the default algorithm. | 0 |
| EqualWidth | The buckets have value ranges that are equal. Because width is static, this algorithm can produce unevenly populated buckets. | 1 |
| RangeDivision | The buckets have value ranges that are considered to be equal. Width is calculated by dividing the range of observed values into a specified number of buckets. This algorithm might produce unevenly populated buckets, or even empty buckets. | 2 |

Anchoring: Anchoring options. These options apply only to string and scope refiners. The default value is "Complete". For details, see the following table.

| Member | Description | Value |
|-----------------|-----------------------------------|-------|
| Auto | Match for refiners set to "Auto". | 0 |
| None | Match for refiners set to "None". | 1 |
| Complete | Complete match for refiners. | 2 |
| Prefix | Prefix match for refiners. | 3 |
| Suffix | Suffix match for refiners. | 4 |

CutoffMaxBucket: Specifies a limit for the number of unique values (buckets) that are returned for a refiner within a search partition.

DefaultValue: Specifies a value (numeric or string) that is used internally to represent an empty value for the field.

Divisor: Applicable only to numeric refiners.

ID: The identifier of this refiner.

Intervals: Applicable only to numeric refiners.

RefinementType: Specifies the refinement type for this refiner configuration. For details, see the following table.

| Member | Description | Value |
|-------------------------------|--|-------|
| DeepRefinementDisabled | Refiner result data is created based on the top matching documents. | 0 |
| DeepRefinementEnabled | Indicates the use of index-side (deep) refiners. In this case, the statistical analysis and creation of dynamic buckets is performed within the core search engine by means of an optimized vector-indexing algorithm. This also enables refinement on the entire result set in an optimal way. | 1 |
| LatentRefinement | Prepares the index (on disk) for refiners but does not activate the feature in memory. This means that refiners cannot be used in queries. However, at a later stage, LatentRefinement can be | 2 |

| Member | Description | Value |
|--------|---|-------|
| | changed to DeepRefinementEnabled . This member can be used to prepare for later use of refiners for this field without the cost of the additional memory usage when setting DeepRefinementEnabled . | |

Resolution: Valid only for numeric refiners.

2.2.4.30 CategoryDTO

The following example specifies the structure of the **CategoryDTO** complex type.

```
<xsd:complexType name="CategoryDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="CrawledPropertyCount" type="xsd:int"/>
    <xsd:element minOccurs="0" name="DiscoverNewProperties" type="xsd:boolean"/>
    <xsd:element minOccurs="0" name="ID" type="xsd:long"/>
    <xsd:element minOccurs="0" name="MapToContents" type="xsd:boolean"/>
    <xsd:element minOccurs="0" name="Name" nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

CrawledPropertyCount: The total number of crawl properties for this crawled property category.

DiscoverNewProperties: Set to discover new properties when documents or items are processed.

ID: The identifier of the crawled property category.

MapToContents: Map to contents (converted to string).

Name: The name of the crawled property category.

2.2.4.31 FullTextIndexDTO

The following example specifies the structure of the **FullTextIndexDTO** complex type.

```
<xsd:complexType name="FullTextIndexDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="DeleteDisallowed" type="xsd:boolean"/>
    <xsd:element minOccurs="0" name="Description" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" name="Id" type="xsd:long"/>
    <xsd:element minOccurs="0" name="Name" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" name="StemmingEnabled" type="xsd:boolean"/>
    <xsd:element minOccurs="0" name="isDefault" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

DeleteDisallowed: A Boolean value that indicates whether this full-text index field can be deleted. The value is **true** if deletion is not allowed; otherwise, the value is **false**.

Description: A description of the full-text index field.

Id: The identifier of the full-text index field.

Name: The name of the full-text index field.

StemmingEnabled: A Boolean value that indicates if stemming is enabled for this full-text index field. The value is **true** if stemming is enabled; otherwise, the value is **false**.

isDefault: The value is **true** if this full-text index field is the default full-text index field; otherwise, the value is **false**.

2.2.4.32 CrawledPropertyDTO

The following example specifies the structure of the **CrawledPropertyDTO** complex type.

```
<xsd:complexType name="CrawledPropertyDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="CategoryName" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" name="Id" type="xsd:long"/>
    <xsd:element minOccurs="0" name="IsMappedToContents" type="xsd:boolean"/>
    <xsd:element minOccurs="0" name="IsMultiValued" type="xsd:boolean"/>
    <xsd:element minOccurs="0" name="IsNameEnum" type="xsd:boolean"/>
    <xsd:element minOccurs="0" name="Name" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" name="Propset" type="ser:guid"/>
    <xsd:element minOccurs="0" name="VariantType" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

CategoryName: The name of the crawled property category that the crawled property is associated with.

Id: The identifier of the crawled property.

IsMappedToContents: Indicates whether the crawled property will be mapped to the crawledpropertycontent managed property. This is used to increase search **recall**, and the crawled property does not need to be explicitly mapped to the crawledpropertycontent managed property.

IsMultiValued: A Boolean value that specifies whether the crawled property is multi-valued.

IsNameEnum: A Boolean value that specifies whether the crawled property name is enumerable.

Name: The name of the crawled property.

Propset: A GUID which identifies the crawled property category the crawled property is associated with. This value can be used with the **GetCategory** operation to look up the category of the crawled property. A crawled property **MUST** be associated with a crawled property category.

VariantType: Gets the variant data type for a crawled property. Valid values for this element are the values specified for the **VARTYPE** field of the **PROPVARIANT** structure, as specified in [\[PROPVARIANT\]](#). These are described in the following table.

| Value | Name |
|-------|----------|
| 0 | VT_EMPTY |
| 1 | VT_NULL |
| 2 | VT_I2 |
| 3 | VT_I4 |
| 4 | VT_R4 |

| Value | Name |
|-------|-------------|
| 5 | VT_R8 |
| 6 | VT_CY |
| 7 | VT_DATE |
| 8 | VT_BSTR |
| 9 | VT_DISPATCH |
| 10 | VT_ERROR |
| 11 | VT_BOOL |
| 12 | VT_VARIANT |
| 13 | VT_UNKNOWN |
| 14 | VT_DECIMAL |
| 16 | VT_I1 |
| 17 | VT_UI1 |
| 18 | VT_UI2 |
| 19 | VT_UI4 |
| 20 | VT_I8 |
| 21 | VT_UI8 |
| 22 | VT_INT |
| 23 | VT_UINT |
| 30 | VT_LPSTR |
| 31 | VT_LPWSTR |
| 34 | VT_FILETIME |

2.2.4.33 RankProfileDTO

The following example specifies the structure of the **RankProfileDTO** complex type.

```
<xsd:complexType name="RankProfileDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="AuthorityWeight" type="xsd:int"/>
    <xsd:element minOccurs="0" name="FreshnessManagedPropertyName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" name="FreshnessResolution" type="xsd:int"/>
    <xsd:element minOccurs="0" name="FreshnessWeight" type="xsd:int"/>
    <xsd:element minOccurs="0" name="ID" type="xsd:long"/>
    <xsd:element minOccurs="0" name="Name" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" name="PositionStopWordThreshold" type="xsd:long"/>
    <xsd:element minOccurs="0" name="QualityWeight" type="xsd:int"/>
    <xsd:element minOccurs="0" name="QueryAuthorityWeight" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```



```

<xsd:element minOccurs="0" name="RankModelName" nillable="true" type="xsd:string"/>
<xsd:element minOccurs="0" name="StopWordThreshold" type="xsd:long"/>
<xsd:element minOccurs="0" name="isDefault" type="xsd:boolean"/>
</xsd:sequence>
</xsd:complexType>

```

AuthorityWeight: A value that indicates the importance of a document as determined by the links from other documents to the document in question.

FreshnessManagedPropertyName: The managed property that references the freshness ranking.

FreshnessResolution: Freshness resolution. Possible values are described in the following table.

| Value | Meaning |
|-------|------------------------------------|
| 0 | Specifies seconds-based freshness. |
| 1 | Specifies minute-based freshness. |
| 2 | Specifies hour-based freshness. |
| 3 | Specifies day-based freshness. |
| 4 | Specifies year-based freshness. |

FreshnessWeight: A value that indicates the age of a document compared to the time when the query is issued.

ID: The identifier of the rank profile.

Name: The name of the rank profile.

PositionStopWordThreshold: The maximum number of occurrences of a search term in a result set that contributes to the **proximity boost** component of the rank score.

QualityWeight: The assigned importance of a document. Because quality metrics are assigned to individual documents or groups of documents directly, the quality of a document is query independent.

QueryAuthorityWeight: The query authority weight for this rank profile.

RankModelName: The name of the rank model that this rank profile extends.

StopWordThreshold: The maximum number of occurrences of a search term in a result set that contributes to the rank score. If the term appears more often than the threshold specifies, additional occurrences are ignored. A low value gives better search performance but less relevance in the result set. A high value decreases search performance but improves the relevance of the result set.

isDefault: The value is **true** if this is a default rank profile; otherwise, the value is **false**.

2.2.4.34 QualityComponentDTO

The following example specifies the structure of the **QualityComponentDTO** complex type.

```

<xsd:complexType name="QualityComponentDTO">
  <xsd:sequence>

```

```

    <xsd:element minOccurs="0" name="ManagedPropertyName" type="xsd:string"/>
    <xsd:element minOccurs="0" name="Weight" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>

```

ManagedPropertyName: The name of the managed property.

Weight: The quality weight of the managed property reference.

2.2.4.35 FullTextIndexRankComponentDTO

The **FullTextIndexRankComponentDTO** complex type represents the configuration of relevance boost and proximity boost weight parameters associated with matches in a particular full-text index field for a rank profile.

All weights are specified as percentages. For example, a weight of 200 means that the rank component **MUST** be multiplied by 2 when used.

The following example specifies the structure of this complex type.

```

<xsd:complexType name="FullTextIndexRankComponentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="ContextWeight" type="xsd:int"/>
    <xsd:element minOccurs="0" name="FullTextIndexReference" type="xsd:string"/>
    <xsd:element minOccurs="0" name="ProximityWeight" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>

```

ContextWeight: The relevance weight for a match in the referenced full-text index field.

FullTextIndexReference: Full-text index field reference.

ProximityWeight: The weight of proximity boosts in the referenced full-text index field.

2.2.4.36 ManagedPropertyBoostComponentDTO

The following example specifies the structure of the **ManagedPropertyBoostComponentDTO** complex type.

```

<xsd:complexType name="ManagedPropertyBoostComponentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="BoostValue" type="xsd:string"/>
    <xsd:element minOccurs="0" name="ManagedPropertyName" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>

```

BoostValue: The boost value of the managed property.

ManagedPropertyName: The name of the managed property to boost.

2.2.4.37 FullTextIndexMappingDTO

The following example specifies the structure of the **FullTextIndexMappingDTO** complex type.

```

<xsd:complexType name="FullTextIndexMappingDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="FullTextIndexName" type="xsd:string"/>
    <xsd:element minOccurs="0" name="ImportanceLevel" type="xsd:int"/>
    <xsd:element minOccurs="0" name="ManagedPropertyName" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>

```

FullTextIndexName: The name of the full-text index field.

ImportanceLevel: The importance of the referenced managed property within a full-text index field.

ManagedPropertyName: The name of the managed property.

2.2.4.38 ArrayOfCrawledPropertyDTO

The **ArrayOfCrawledPropertyDTO** complex type contains an array of elements of type **CrawledPropertyDTO**.

The following example specifies the structure of this complex type.

```

<xsd:complexType name="ArrayOfCrawledPropertyDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="CrawledPropertyDTO"
      nillable="true" type="tns:CrawledPropertyDTO"/>
  </xsd:sequence>
</xsd:complexType>

```

CrawledPropertyDTO: Contains information about a crawled property.

2.2.4.39 ArrayOfManagedPropertyDTO

The **ArrayOfManagedPropertyDTO** complex type contains an array of elements of type **ManagedPropertyDTO**.

The following example specifies the structure of this complex type.

```

<xsd:complexType name="ArrayOfManagedPropertyDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="ManagedPropertyDTO"
      nillable="true" type="tns:ManagedPropertyDTO "/>
  </xsd:sequence>
</xsd:complexType>

```

ManagedPropertyDTO: Contains information about a managed property.

2.2.4.40 ArrayOfguid

The **ArrayOfguid** complex type contains an array with zero, one, or more GUIDs.

The following example specifies the structure of this complex type.

```

<xsd:complexType name="ArrayOfguid">

```

```

<xsd:sequence>
  <xsd:element minOccurs="0" maxOccurs="unbounded" name="guid" type="ser:guid"/>
</xsd:sequence>
</xsd:complexType>

```

guid: A globally unique identifier.

2.2.4.41 ArrayOfCategoryDTO

The **ArrayOfCategoryDTO** complex type contains zero, one, or more **CategoryDTO** elements.

The following example specifies the structure of this complex type.

```

<xsd:complexType name="ArrayOfCategoryDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="CategoryDTO" nillable="true"
type="tns:CategoryDTO"/>
  </xsd:sequence>
</xsd:complexType>

```

CategoryDTO: Contains information about a crawled property category.

2.2.4.42 ArrayOfFullTextIndexDTO

The **ArrayOfFullTextIndexDTO** complex type contains zero, one, or more **FullTextIndexDTO** elements.

The following example specifies the structure of this complex type.

```

<xsd:complexType name="ArrayOfFullTextIndexDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="FullTextIndexDTO" nillable="true"
type="tns:FullTextIndexDTO"/>
  </xsd:sequence>
</xsd:complexType>

```

FullTextIndexDTO: The elements of a full-text index field.

2.2.4.43 ArrayOfRankProfileDTO

The **ArrayOfRankProfileDTO** complex type contains zero, one, or more **RankProfileDTO** elements.

The following example specifies the structure of this complex type.

```

<xsd:complexType name="ArrayOfRankProfileDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="RankProfileDTO" nillable="true"
type="tns:RankProfileDTO"/>
  </xsd:sequence>
</xsd:complexType>

```

RankProfileDTO: Contains information about a rank profile.

2.2.4.44 ArrayOfFullTextIndexMappingDTO

The **ArrayOfFullTextIndexMappingDTO** complex type contains zero, one or more **FullTextIndexMappingDTO** elements.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="ArrayOfFullTextIndexMappingDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="FullTextIndexMappingDTO"
      nillable="true" type="tns:FullTextIndexMappingDTO"/>
  </xsd:sequence></xsd:complexType>
```

FullTextIndexMappingDTO: Contains information about a mapping from a managed property to a full-text index field.

2.2.4.45 ArrayOfFullTextIndexRankComponentDTO

The **ArrayOfFullTextIndexRankComponentDTO** complex type contains zero, one, or more **FullTextIndexRankComponentDTO** elements.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="ArrayOfFullTextIndexRankComponentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="FullTextIndexRankComponentDTO"
      nillable="true" type="tns:FullTextIndexRankComponentDTO"/>
  </xsd:sequence>
</xsd:complexType>
```

FullTextIndexRankComponentDTO: Contains information about ranking configuration for a full-text index field.

2.2.4.46 ArrayOfManagedPropertyBoostComponentDTO

The **ArrayOfManagedPropertyBoostComponentDTO** complex type contains zero, one, or more **ManagedPropertyBoostComponentDTO** elements.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="ArrayOfManagedPropertyBoostComponentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="ManagedPropertyBoostComponentDTO"
      nillable="true" type="tns:ManagedPropertyBoostComponentDTO"/>
  </xsd:sequence>
</xsd:complexType>
```

ManagedPropertyBoostComponentDTO: Contains information about a managed property keyword rank component.

2.2.4.47 ArrayOfQualityComponentDTO

The **ArrayOfQualityComponentDTO** complex type contains zero, one, or more **QualityComponentDTO** elements.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="ArrayOfQualityComponentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="QualityComponentDTO"
      nillable="true" type="tns:QualityComponentDTO"/>
  </xsd:sequence>
</xsd:complexType>
```

QualityComponentDTO: Contains information about a quality rank component.

2.2.5 Simple Types

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

| Simple type | Description |
|-----------------------------|---|
| ExpressionTypes | The type of a context expression node. |
| KeywordItemType | The type of a keyword-related object. |
| Language | A language. |
| LinguisticTermType | The type of a linguistic term. |
| LinguisticType | The type of a linguistic feature. |
| SortDirection | The direction in which to sort. |
| SortField | The field to sort by. |
| SynonymExpansionType | The expansion type of a synonym. |
| guid | The format of a globally unique identifier. |

2.2.5.1 ExpressionTypes

The **ExpressionTypes** simple type specifies the type of a context expression node.

The following example specifies the structure of this simple type.

```
<xsd:simpleType name="ExpressionTypes">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="AND" />
    <xsd:enumeration value="NOT" />
    <xsd:enumeration value="OR" />
    <xsd:enumeration value="MATCH" />
  </xsd:restriction>
  <xsd:annotation>
    <xsd:appinfo>
      <ActualType Name="unsignedByte" Namespace="http://www.w3.org/2001/XMLSchema"
        xmlns="http://schemas.microsoft.com/2003/10/Serialization/" />
    </xsd:appinfo>
  </xsd:annotation>
```

```
</xsd:simpleType>
```

The following table specifies the valid values for **ExpressionTypes**.

| Value | Meaning |
|--------------|---|
| AND | The context expression node is an "AND" node. All child nodes MUST evaluate to for the node to evaluate to true . |
| NOT | The context expression node is a NOT node. The child node MUST evaluate to false for the node to evaluate to true . The node MUST have only one subnode. |
| OR | The context expression node is an OR node. At least one of the subnodes MUST evaluate to true for the node to evaluate to true . |
| MATCH | The context expression node is a MATCH node. The name-value pair that the node specifies MUST be found in the query context for the node to evaluate to true . |

2.2.5.2 KeywordItemType

The **KeywordItemType** simple type specifies the type of an item.

The following example specifies the structure of this simple type.

```
<xsd:simpleType name="KeywordItemType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Synonym">
      <xsd:annotation>
        <xsd:appinfo>
          <EnumerationValue
            xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
        </xsd:appinfo>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Promotion">
      <xsd:annotation>
        <xsd:appinfo>
          <EnumerationValue
            xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
          </xsd:appinfo>
        </xsd:annotation>
      </xsd:enumeration>
    <xsd:enumeration value="BestBet">
      <xsd:annotation>
        <xsd:appinfo>
          <EnumerationValue
            xmlns="http://schemas.microsoft.com/2003/10/Serialization/">3</EnumerationValue>
          </xsd:appinfo>
        </xsd:annotation>
      </xsd:enumeration>
    <xsd:enumeration value="FeaturedContent">
      <xsd:annotation>
        <xsd:appinfo>
          <EnumerationValue
            xmlns="http://schemas.microsoft.com/2003/10/Serialization/">4</EnumerationValue>
          </xsd:appinfo>
        </xsd:annotation>
      </xsd:enumeration>
    </xsd:restriction>
  </xsd:simpleType>
```

```

</xsd:enumeration>
<xsd:enumeration value="SearchSettingGroup">
  <xsd:annotation>
    <xsd:appinfo>
      <EnumerationValue
        xmlns="http://schemas.microsoft.com/2003/10/Serialization/">5</EnumerationValue>
      </xsd:appinfo>
    </xsd:annotation>
  </xsd:enumeration>
  <xsd:enumeration value="Keyword">
    <xsd:annotation>
      <xsd:appinfo>
        <EnumerationValue
          xmlns="http://schemas.microsoft.com/2003/10/Serialization/">6</EnumerationValue>
        </xsd:appinfo>
      </xsd:annotation>
    </xsd:enumeration>
    <xsd:enumeration value="Context">
      <xsd:annotation>
        <xsd:appinfo>
          <EnumerationValue
            xmlns="http://schemas.microsoft.com/2003/10/Serialization/">7</EnumerationValue>
          </xsd:appinfo>
        </xsd:annotation>
      </xsd:enumeration>
      <xsd:enumeration value="PromotedDocument">
        <xsd:annotation>
          <xsd:appinfo>
            <EnumerationValue
              xmlns="http://schemas.microsoft.com/2003/10/Serialization/">8</EnumerationValue>
            </xsd:appinfo>
          </xsd:annotation>
        </xsd:enumeration>
        <xsd:enumeration value="PromotedLocation">
          <xsd:annotation>
            <xsd:appinfo>
              <EnumerationValue
                xmlns="http://schemas.microsoft.com/2003/10/Serialization/">9</EnumerationValue>
              </xsd:appinfo>
            </xsd:annotation>
          </xsd:enumeration>
          <xsd:enumeration value="PromotedExpression">
            <xsd:annotation>
              <xsd:appinfo>
                <EnumerationValue
                  xmlns="http://schemas.microsoft.com/2003/10/Serialization/">10</EnumerationValue>
                </xsd:appinfo>
              </xsd:annotation>
            </xsd:enumeration>
            <xsd:enumeration value="SearchSetting">
              <xsd:annotation>
                <xsd:appinfo>
                  <EnumerationValue
                    xmlns="http://schemas.microsoft.com/2003/10/Serialization/">11</EnumerationValue>
                  </xsd:appinfo>
                </xsd:annotation>
              </xsd:enumeration>
            </xsd:restriction>
          </xsd:annotation>

```



```

<xsd:appinfo>
  <ActualType Name="unsignedByte" Namespace="http://www.w3.org/2001/XMLSchema"
    xmlns="http://schemas.microsoft.com/2003/10/Serialization/" />
</xsd:appinfo>
</xsd:annotation>
</xsd:simpleType>

```

The following table specifies the valid values for **KeywordItemType**.

| Value | Meaning |
|--------------------|---------------------------------------|
| Synonym | The item is a synonym. |
| Promotion | The item is a promotion. |
| BestBet | The item is a best bet. |
| FeaturedContent | The item is featured content. |
| SearchSettingGroup | The item is a search setting group. |
| Keyword | The item is a keyword. |
| Context | The item is a search setting context. |
| PromotedDocument | The item is a promoted document. |
| PromotedLocation | The item is a promoted location. |
| PromotedExpression | The item is a promoted expression. |

2.2.5.3 Language

The **Language** simple type specifies a language.

The following example specifies the structure of this simple type.

```

<xsd:simpleType name="Language">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="ANY" />
    <xsd:enumeration value="AR" />
    <xsd:enumeration value="CS" />
    <xsd:enumeration value="DA" />
    <xsd:enumeration value="DE" />
    <xsd:enumeration value="EL" />
    <xsd:enumeration value="EN" />
    <xsd:enumeration value="ES" />
    <xsd:enumeration value="ET" />
    <xsd:enumeration value="FI" />
    <xsd:enumeration value="FR" />
    <xsd:enumeration value="HE" />
    <xsd:enumeration value="HI" />
    <xsd:enumeration value="HU" />
    <xsd:enumeration value="ID" />
    <xsd:enumeration value="IS" />
    <xsd:enumeration value="IT" />
    <xsd:enumeration value="JA" />
  </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:enumeration value="KO" />
<xsd:enumeration value="LT" />
<xsd:enumeration value="LV" />
<xsd:enumeration value="MS" />
<xsd:enumeration value="NB" />
<xsd:enumeration value="NL" />
<xsd:enumeration value="NN" />
<xsd:enumeration value="NO" />
<xsd:enumeration value="PL" />
<xsd:enumeration value="PT" />
<xsd:enumeration value="RO" />
<xsd:enumeration value="RU" />
<xsd:enumeration value="SC" />
<xsd:enumeration value="SK" />
<xsd:enumeration value="SL" />
<xsd:enumeration value="SR" />
<xsd:enumeration value="SV" />
<xsd:enumeration value="TR" />
<xsd:enumeration value="UK" />
<xsd:enumeration value="UR" />
</xsd:restriction>
</xsd:simpleType>

```

The following table specifies the valid values for **Language**.

| Value | Meaning |
|-------|---------------|
| ANY | Any language. |
| AR | Arabic |
| CS | Czech |
| DA | Danish |
| DE | German |
| EL | Greek |
| EN | English |
| ES | Spanish |
| ET | Estonian |
| FI | Finnish |
| FR | French |
| HE | Hebrew |
| HI | Hindi |
| HU | Hungarian |
| ID | Indonesian |
| IS | Icelandic |

| Value | Meaning |
|-------|---------------------|
| IT | Italian |
| JA | Japanese |
| KO | Korean |
| LT | Lithuanian |
| LV | Latvian |
| MS | Malay |
| NB | Bokmål, Norwegian |
| NL | Dutch |
| NN | Nynorsk, Norwegian |
| NO | Norwegian |
| PL | Polish |
| PT | Portuguese |
| RO | Romanian; Moldavian |
| RU | Russian |
| SC | Sardinian |
| SK | Slovak |
| SL | Slovenian |
| SR | Serbian |
| SV | Swedish |
| TR | Turkish |
| UK | Ukrainian |
| UR | Urdu |

2.2.5.4 LinguisticTermType

The **LinguisticTermType** simple type specifies the type of a term.

The following example specifies the structure of this simple type.

```
<xsd:simpleType name="LinguisticTermType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="INCLUSION" />
    <xsd:enumeration value="EXCLUSION" />
  </xsd:restriction>
</xsd:simpleType>
```

The following table specifies the valid values for **LinguisticTermType**.

| Value | Meaning |
|-----------|--|
| EXCLUSION | The term MUST be excluded from linguistic processing. |
| INCLUSION | The term MUST be included in linguistic processing. |

2.2.5.5 LinguisticType

The **LinguisticType** simple type specifies the type of a linguistic feature.

The following example specifies the structure of this simple type.

```
<xsd:simpleType name="LinguisticType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="SPELLCHECKING" />
    <xsd:enumeration value="ENTITYEXTRACTION" />
    <xsd:enumeration value="UNKNOWN" />
  </xsd:restriction>
</xsd:simpleType>
```

The following table specifies the valid values for **LinguisticType**.

| Value | Meaning |
|------------------|---|
| SPELLCHECKING | The linguistic feature is a spell-checker. |
| ENTITYEXTRACTION | The linguistic feature is a property extractor. |
| UNKNOWN | The linguistic feature is an unknown type. |

2.2.5.6 SortDirection

The **SortDirection** simple type specifies the direction in which a result is sorted.

The following example specifies the structure of this element.

```
<xsd:simpleType name="SortDirection">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Ascending" />
    <xsd:enumeration value="Descending" />
  </xsd:restriction>
</xsd:simpleType>
```

The following table specifies the valid values for **SortDirection**.

| Value | Meaning |
|------------|--------------------------------------|
| Ascending | Sort the result in ascending order. |
| Descending | Sort the result in descending order. |

2.2.5.7 SortField

The **SortField** simple type specifies the criteria by which a result is sorted.

The following example specifies the structure of this simple type.

```
<xsd:simpleType name="SortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
  </xsd:restriction>
</xsd:simpleType>
```

The following table specifies the valid values for **SortField**.

| Value | Meaning |
|-------------|---|
| Name | Sort the result by name. |
| LastChanged | Sort the result by the time at which the result elements were last changed. |

2.2.5.8 SynonymExpansionType

The **SynonymExpansionType** simple type specifies the expansion type of a synonym.

The following example specifies the structure of this simple type.

```
<xsd:simpleType name="SynonymExpansionType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="OneWay" />
    <xsd:enumeration value="TwoWay" />
  </xsd:restriction>
</xsd:simpleType>
```

The following table specifies the valid values for **SynonymExpansionType**.

| Value | Meaning |
|--------|---|
| OneWay | The synonym is a one-way synonym . |
| TwoWay | The synonym is a two-way synonym . |

2.2.5.9 guid

The **guid** simple type specifies the format of globally unique identifiers.

The following example specifies the structure of this simple type.

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

```
</xsd:simpleType>
```

A GUID is a string of five hexadecimal numbers that contain 8, 4, 4, 4, and 12 digits, in this order. The numbers are separated by hyphens.

2.2.6 Attributes

The following table summarizes the set of common XML Schema attribute definitions that this specification defines. XML Schema attributes that are specific to a particular operation are described with the operation.

| Attribute | Description |
|------------|--|
| Id | The identifier of the current element. |
| Ref | A reference to another element. |

2.2.6.1 Id

The **Id** attribute specifies the identifier of an element, as specified in [\[XMLSCHEMA2\]](#). This attribute enables elements of the **CommonDTOMembers** type to be referenced by another element in the same SOAP message, instead of being embedded in that element as a sub-element.

The following example specifies the structure of this attribute.

```
<xsd:attribute name="Id" type="xsd:ID" />
```

2.2.6.2 Ref

The **Ref** attribute specifies a reference to another element, as specified in [\[XMLSCHEMA2\]](#). This attribute enables an element of the **CommonDTOMembers** type to reference other elements in the same SOAP message, instead of embedding those elements as sub-elements.

The following example specifies the structure of this attribute.

```
<xsd:attribute name="Ref" type="xsd:IDREF" />
```

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 protocol 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.

3.1 SpellCheckerService Server Details

This service provides operations for retrieval and removal of the spell-checking terms.

3.1.1 Abstract Data Model

This section describes a conceptual model of a possible organization of data 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.

The SpellCheckerService is stateless.

For each spell-check identifier, as maintained by the LinguisticManagerService, the SpellCheckerService **MUST** delegate the storage of a persisted dictionary of spell-check exclusions to the PersistedDictionaryService. The persisted dictionary name **MUST** be equal to the name of the spell-check identifier.

As the protocol server internally uses the **PersistedDictionaryService**, protocol clients can also use the **PersistedDictionaryService** to retrieve updated spell-check exclusions to distribute and activate these.

3.1.2 Timers

None.

3.1.3 Initialization

None.

3.1.4 Message Processing Events and Sequencing Rules

The following table specifies the operations that are associated with message processing events.

| Operation | Description |
|----------------|---|
| AddTerm | Adds a term to a spell-checker. |
| Clean | Deletes all terms from a spell-checker. |

| Operation | Description |
|---------------------|---|
| CleanTerms | Deletes all terms from a spell-checker satisfying the specified criteria. |
| Contains | Checks whether a spell-checker exists. |
| ContainsTerm | Checks whether a spell-checker contains a term. |
| Get | Retrieves spell-checkers satisfying the specified criteria. |
| GetAll | Retrieves all spell-checkers. |
| GetAllTerms | Retrieves all terms for a spell-checkers. |
| GetTerms | Retrieves terms for a spell-checker satisfying the specified criteria. |
| RemoveTerm | Deletes a term for a spell-checker. |

3.1.4.1 AddTerm

The **AddTerm** operation adds a term to a spell-checker.

The following example specifies the structure of this operation.

```
<wsdl:operation name="AddTerm">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Add
    Term" message="tns:SpellCheckerService_AddTerm_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Add
    TermResponse" message="tns:SpellCheckerService_AddTerm_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Add
    TermAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_AddTerm_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **SpellCheckerService_AddTerm_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **SpellCheckerService_AddTerm_OutputMessage** response message.

3.1.4.1.1 Elements

None.

3.1.4.1.2 Complex Types

None.

3.1.4.1.3 Simple Types

None.

3.1.4.1.4 Attributes

None.

3.1.4.1.5 Groups

None.

3.1.4.1.6 Attribute Groups

None.

3.1.4.2 Clean

The **Clean** operation deletes all terms for a spell-checker.

The following example specifies the structure of this operation.

```
<wsdl:operation name="Clean">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Clean"
    message="tns:SpellCheckerService_Clean_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanResponse"
    message="tns:SpellCheckerService_Clean_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_Clean_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **SpellCheckerService_Clean_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **SpellCheckerService_Clean_OutputMessage** response message.

3.1.4.2.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.2.1.1 SpellCheckerService_Clean_InputMessage

The **SpellCheckerService_Clean_InputMessage** request message initiates the removal of all terms for a spell-checker.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Clean
```

The SOAP body MUST contain a **Clean** element.

3.1.4.2.1.2 SpellCheckerService_Clean_OutputMessage

The **SpellCheckerService_Clean_OutputMessage** response message is sent in reply to the **SpellCheckerService_Clean_InputMessage** request message. The **SpellCheckerService_Clean_InputMessage** request message initiates the operation to delete all terms.

The SOAP action value of the response message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanResponse`

The SOAP body MUST contain a **CleanResponse** element.

3.1.4.2.1.3 SpellCheckerService_Clean_AdminExceptionWCFFault_FaultMessage

The **SpellCheckerService_Clean_AdminExceptionWCFFault_FaultMessage** fault message is sent in reply to the request that is initiated by the **SpellCheckerService_Clean_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of this response message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanAdminExceptionWCFFault`

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.1.4.2.2 Elements

None.

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 CleanTerms

The **CleanTerms** operation deletes all terms of a specific type from a spell-checker.

The following example specifies the structure of this operation.

```
<wsdl:operation name="CleanTerms">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTerms" message="tns:SpellCheckerService_CleanTerms_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTermsResponse" message="tns:SpellCheckerService_CleanTerms_OutputMessage" />
</wsdl:operation>
```

```
<wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTermsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SpellCheckerService_CleanTerms_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **SpellCheckerService_CleanTerms_InputMessage** request message. On successful completion, the protocol server MUST respond with a **SpellCheckerService_CleanTerms_OutputMessage** response message.

3.1.4.3.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.3.1.1 SpellCheckerService_CleanTerms_InputMessage

The **SpellCheckerService_CleanTerms_InputMessage** request message initiates the removal of all terms of a specific type for a spell-checker.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTerms
```

The SOAP body MUST contain a **CleanTerms** element.

3.1.4.3.1.2 SpellCheckerService_CleanTerms_OutputMessage

The **SpellCheckerService_CleanTerms_OutputMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_CleanTerms_InputMessage** message. The **SpellCheckerService_CleanTerms_InputMessage** request message initiates the request to delete all terms of a specific type.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTermsResponse
```

The SOAP body MUST contain a **CleanTermsResponse** element.

3.1.4.3.1.3

SpellCheckerService_CleanTerms_AdminExceptionWCFFault_FaultMessage

The **SpellCheckerService_CleanTerms_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_CleanTerms_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTermsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.1.4.3.2 Elements

None.

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 Contains

The **Contains** operation checks for the existence of a given spell-checker.

The following example specifies the structure of this operation.

```
<wsdl:operation name="Contains">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Contains"
    message="tns:SpellCheckerService_Contains_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsResponse"
    message="tns:SpellCheckerService_Contains_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_Contains_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **SpellCheckerService_Contains_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **SpellCheckerService_Contains_OutputMessage** response message.

3.1.4.4.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.4.1.1 SpellCheckerService_Contains_InputMessage

The **SpellCheckerService_Contains_InputMessage** request message initiates the operation to check for the existence of a given spell-checker.

The SOAP action value of the request message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Contains
```

The SOAP body MUST contain a **Contains** element.

3.1.4.4.1.2 SpellCheckerService_Contains_OutputMessage

The **SpellCheckerService_Contains_OutputMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_Contains_InputMessage** message. The **SpellCheckerService_Contains_InputMessage** message initiates the request to check for the existence of a given spell-checker.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsResponse
```

The SOAP body MUST contain a **ContainsResponse** element.

3.1.4.4.1.3

SpellCheckerService_Contains_AdminExceptionWCFFault_FaultMessage

The **SpellCheckerService_Contains_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_Contains_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.1.4.4.2 Elements

None.

3.1.4.4.3 Complex Types

None.

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 ContainsTerm

The **ContainsTerm** operation checks whether a spell-checker contains a specific term.

The following example specifies the structure of this element.

```
<wsdl:operation name="ContainsTerm">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTerm"
    message="tns:SpellCheckerService_ContainsTerm_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTermResponse"
    message="tns:SpellCheckerService_ContainsTerm_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTermAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_ContainsTerm_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **SpellCheckerService_ContainsTerm_InputMessage** request message. On successful completion, the protocol server MUST respond with a **SpellCheckerService_ContainsTerm_OutputMessage** response message.

3.1.4.5.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.5.1.1 SpellCheckerService_ContainsTerm_InputMessage

The **SpellCheckerService_ContainsTerm_InputMessage** request message initiates the operation to check whether a specific term exists for a spell-checker.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTerm
```

The SOAP body MUST contain a **ContainsTerm** element.

3.1.4.5.1.2 SpellCheckerService_ContainsTerm_OutputMessage

The **SpellCheckerService_ContainsTerm_OutputMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_ContainsTerm_InputMessage**

message. The **SpellCheckerService_ContainsTerm_InputMessage** checks for the existence of a term.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTermResponse
```

The SOAP body MUST contain a **ContainsTermResponse** element.

3.1.4.5.1.3

SpellCheckerService_ContainsTerm_AdminExceptionWCFFault_FaultMessage

The **SpellCheckerService_ContainsTerm_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_ContainsTerm_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTermAdminExceptionWCFFault
```

The SOAP body MUST contain a **AdminExceptionWCF** element.

3.1.4.5.2 Elements

None.

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 Get

The **Get** operation is used to retrieve spell-checkers.

The following example specifies the structure of this operation.

```
<wsdl:operation name="Get">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get"
    message="tns:SpellCheckerService_Get_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetResponse"
    message="tns:SpellCheckerService_Get_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_Get_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **SpellCheckerService_Get_InputMessage** request message. On successful completion, the protocol server MUST respond with a **SpellCheckerService_Get_OutputMessage** response message.

3.1.4.6.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.6.1.1 SpellCheckerService_Get_InputMessage

The **SpellCheckerService_Get_InputMessage** request message initiates the retrieval of the spell-checkers.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
```

The SOAP body MUST contain a **Get** element.

3.1.4.6.1.2 SpellCheckerService_Get_OutputMessage

The **SpellCheckerService_Get_OutputMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_Get_InputMessage** message. The **SpellCheckerService_Get_InputMessage** request message initiates the operation to retrieve the spell-checkers.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetResponse
```

The SOAP body MUST contain a **GetResponse** element.

3.1.4.6.1.3 SpellCheckerService_Get_AdminExceptionWCFFault_FaultMessage

The **SpellCheckerService_Get_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_Get_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAdminExceptionWCFFault`

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.1.4.6.2 Elements

None.

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 GetAll

The **GetAll** operation is used to retrieve all the spell-checkers.

The following example specifies the structure of this element.

```
<wsdl:operation name="GetAll">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAll" message="tns:SpellCheckerService_GetAll_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllResponse" message="tns:SpellCheckerService_GetAll_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_GetAll_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **SpellCheckerService_GetAll_InputMessage** request message. On successful completion, the protocol server MUST respond with a **SpellCheckerService_GetAll_OutputMessage** response message.

3.1.4.7.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.7.1.1 SpellCheckerService_GetAll_InputMessage

The **SpellCheckerService_GetAll_InputMessage** request message initiates the retrieval of all spell-checkers.

The SOAP action value of the request message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAll
```

The SOAP body MUST contain a **GetAll** element.

3.1.4.7.1.2 SpellCheckerService_GetAll_OutputMessage

The **SpellCheckerService_GetAll_OutputMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_GetAll_InputMessage** message. The **SpellCheckerService_GetAll_InputMessage** request message initiates the operation to retrieve all the spell-checkers.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllResponse
```

The SOAP body MUST contain a **GetAllResponse** element.

3.1.4.7.1.3 SpellCheckerService_GetAll_AdminExceptionWCFFault_FaultMessage

The **SpellCheckerService_GetAll_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_GetAll_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.1.4.7.2 Elements

None.

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 GetAllTerms

The **GetAllTerms** operation is used to retrieve all terms for a spell-checker.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetAllTerms">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
    AllTerms" message="tns:SpellCheckerService_GetAllTerms_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
    AllTermsResponse" message="tns:SpellCheckerService_GetAllTerms_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
    AllTermsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_GetAllTerms_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **SpellCheckerService_GetAllTerms_InputMessage** request message. On successful completion, the protocol server MUST respond with a **SpellCheckerService_GetAllTerms_OutputMessage** response message.

3.1.4.8.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.8.1.1 SpellCheckerService_GetAllTerms_InputMessage

The **SpellCheckerService_GetAllTerms_InputMessage** request message initiates the operation to retrieve all terms for a spell-checker.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllTerms
```

The SOAP body MUST contain a **GetAllTerms** element.

3.1.4.8.1.2 SpellCheckerService_GetAllTerms_OutputMessage

The **SpellCheckerService_GetAllTerms_OutputMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_GetAllTerms_InputMessage** message.

The **SpellCheckerService_GetAllTerms_InputMessage** request message initiates the operation to retrieve all terms for a spell-checker.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllTermsResponse
```

The SOAP body MUST contain a **GetAllTermsResponse** element.

3.1.4.8.1.3

SpellCheckerService_GetAllTerms_AdminExceptionWCFFault_FaultMessage

The **SpellCheckerService_GetAllTerms_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_GetAllTerms_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllTermsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.1.4.8.2 Elements

None.

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.

3.1.4.8.7 Attribute Groups

None.

3.1.4.9 GetTerms

The **GetTerms** operation retrieves terms of a specific type for a spell-checker.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetTerms">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
    Terms" message="tns:SpellCheckerService_GetTerms_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
    TermsResponse" message="tns:SpellCheckerService_GetTerms_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
    TermsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_GetTerms_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **SpellCheckerService_GetTerms_InputMessage** request message. On successful completion, the protocol server MUST respond with a **SpellCheckerService_GetTerms_OutputMessage** response message.

3.1.4.9.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.9.1.1 SpellCheckerService_GetTerms_InputMessage

The **SpellCheckerService_GetTerms_InputMessage** request message initiates the operation to retrieve the terms of the given type for a spell-checker.

The SOAP action value of the request message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetTerms
```

The SOAP body MUST contain a **GetTerms** element.

3.1.4.9.1.2 SpellCheckerService_GetTerms_OutputMessage

The **SpellCheckerService_GetTerms_OutputMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_GetTerms_InputMessage** message. The **SpellCheckerService_GetTerms_InputMessage** initiates the operation to retrieve terms for a spell-checker.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetTermsResponse
```

The SOAP body MUST contain a **GetTermsResponse** element.

3.1.4.9.1.3

SpellCheckerService_GetTerms_AdminExceptionWCFFault_FaultMessage

The **SpellCheckerService_GetTerms_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_GetTerms_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetTermsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.1.4.9.2 Elements

None.

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 RemoveTerm

The **RemoveTerm** operation deletes a term from a spell-checker.

The following example specifies the structure of this operation.

```
<wsdl:operation name="RemoveTerm">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTerm" message="tns:SpellCheckerService_RemoveTerm_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTermResponse" message="tns:SpellCheckerService_RemoveTerm_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTermAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_RemoveTerm_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **SpellCheckerService_RemoveTerm_InputMessage** request message. On successful completion, the protocol server MUST respond with a **SpellCheckerService_RemoveTerm_OutputMessage** response message.

3.1.4.10.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.10.1.1 SpellCheckerService_RemoveTerm_InputMessage

The **SpellCheckerService_RemoveTerm_InputMessage** request message initiates the removal of the given term for a spell-checker.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTerm
```

The SOAP body MUST contain a **RemoveTerm** element.

3.1.4.10.1.2 SpellCheckerService_RemoveTerm_OutputMessage

The **SpellCheckerService_RemoveTerm_OutputMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_RemoveTerm_InputMessage** message. The **SpellCheckerService_RemoveTerm_InputMessage** request message initiates the operation to delete a term from a spell-checker.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTermResponse
```

The SOAP body MUST contain a **RemoveTermResponse** element.

3.1.4.10.1.3

SpellCheckerService_RemoveTerm_AdminExceptionWCFFault_FaultMessage

The **SpellCheckerService_RemoveTerm_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SpellCheckerService_RemoveTerm_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTermAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.1.4.10.2 Elements

None.

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.

3.1.5 Timer Events

None.

3.1.6 Other Local Events

None.

3.2 TermEntityExtractorService Server Details

This service provides operations for retrieval and removals of terms of the entity extractors.

3.2.1 Abstract Data Model

This section describes a conceptual model of a possible organization of data that is maintained by an implementation 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.

The **TermEntityExtractorService** is stateless.

For each property extractor identifier, as maintained by the **LinguisticManagerService**, the **TermEntityExtractorService** MUST delegate the storage of one persisted dictionary of property extraction exclusions and one persisted dictionary of property extraction inclusions to the **PersistedDictionaryService**. The name of these persisted dictionaries MUST be equal to the name of the property extractor identifier.

Because the protocol server internally uses the **PersistedDictionaryService**, protocol clients can also use the **PersistedDictionaryService** to retrieve updated property extraction exclusions and inclusions to distribute and activate these.

3.2.2 Timers

None.

3.2.3 Initialization

None.

3.2.4 Message Processing Events and Sequencing Rules

The following table specifies the message processing events and sequencing rules that are associated with this specification.

| Operation | Description |
|---------------------|--|
| AddTerm | Adds a term to a property extractor. |
| Clean | Deletes all terms from a property extractor. |
| CleanTerms | Deletes all terms from a property extractor satisfying the specified criteria. |
| Contains | Checks whether a property extractor exists. |
| ContainsTerm | Checks whether a property extractor contains a term. |
| Get | Retrieves property extractors satisfying the specified criteria. |
| GetAll | Retrieves all property extractors. |
| GetAllTerms | Retrieves all terms for a property extractor. |
| GetTerms | Retrieves terms for a property extractor satisfying the specified criteria. |
| RemoveTerm | Deletes a term for a property extractor. |

3.2.4.1 AddTerm

The **AddTerm** operation adds a term to a property extractor.

The following example specifies the structure of this operation.

```
<wsdl:operation name="AddTerm">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Add
    Term" message="tns:TermEntityExtractorService_AddTerm_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Add
    TermResponse" message="tns:TermEntityExtractorService_AddTerm_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Add
    TermAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:TermEntityExtractorService_AddTerm_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **TermEntityExtractorService_AddTerm_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **TermEntityExtractorService_AddTerm_OutputMessage** response message.

3.2.4.1.1 Messages

The following WSDL message definitions are specific to this operation.

3.2.4.1.1.1 TermEntityExtractorService_AddTerm_InputMessage

The **TermEntityExtractorService_AddTerm_InputMessage** request message initiates the operation that adds a term to a property extractor.

The SOAP action value of the request message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/AddTerm
```

The SOAP body MUST contain an **AddTerm** element.

3.2.4.1.1.2 TermEntityExtractorService_AddTerm_OutputMessage

The **TermEntityExtractorService_AddTerm_OutputMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_AddTerm_InputMessage** message. The **TermEntityExtractorService_AddTerm_InputMessage** request message initiates the operation to add a term to a property extractor.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/AddTermResponse
```

The SOAP body MUST contain an **AddTermResponse** element.

3.2.4.1.1.3

TermEntityExtractorService_AddTerm_AdminExceptionWCFFault_FaultMessage

The **TermEntityExtractorService_AddTerm_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_AddTerm_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/AddTermAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.2.4.1.2 Elements

None.

3.2.4.1.3 Complex Types

None.

3.2.4.1.4 Simple Types

None.

3.2.4.1.5 Attributes

None.

3.2.4.1.6 Groups

None.

3.2.4.1.7 Attribute Groups

None.

3.2.4.2 Clean

The **Clean** operation deletes all terms from a property extractor.

The following example specifies the structure of this operation.

```
<wsdl:operation name="Clean">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Clean"
    message="tns:TermEntityExtractorService_Clean_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanResponse"
    message="tns:TermEntityExtractorService_Clean_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:TermEntityExtractorService_Clean_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **TermEntityExtractorService_Clean_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **TermEntityExtractorService_Clean_OutputMessage** response message.

3.2.4.2.1 Messages

The following WSDL message definitions are specific to this operation.

3.2.4.2.1.1 TermEntityExtractorService_Clean_InputMessage

The **TermEntityExtractorService_Clean_InputMessage** request message initiates the operation to remove all terms from a property extractor.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Clean
```

The SOAP body MUST contain a **Clean** element.

3.2.4.2.1.2 TermEntityExtractorService_Clean_OutputMessage

The **TermEntityExtractorService_Clean_OutputMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_Clean_InputMessage** message.

The **TermEntityExtractorService_Clean_InputMessage** request message initiates the operation to delete all terms from a property extractor.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanResponse
```

The SOAP body MUST contain a **CleanResponse** element.

3.2.4.2.1.3

TermEntityExtractorService_Clean_AdminExceptionWCFFault_FaultMessage

The **TermEntityExtractorService_Clean_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_Clean_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.2.4.2.2 Elements

None.

3.2.4.2.3 Complex Types

None.

3.2.4.2.4 Simple Types

None.

3.2.4.2.5 Attributes

None.

3.2.4.2.6 Groups

None.

3.2.4.2.7 Attribute Groups

None.

3.2.4.3 CleanTerms

The **CleanTerms** operation deletes all terms of a specific type from a property extractor.

The following example specifies the structure of this operation.

```

<wsdl:operation name="CleanTerms">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTerms" message="tns:TermEntityExtractorService_CleanTerms_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTermsResponse" message="tns:TermEntityExtractorService_CleanTerms_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTermsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:TermEntityExtractorService_CleanTerms_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>

```

The protocol client MUST send a **TermEntityExtractorService_CleanTerms_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **TermEntityExtractorService_CleanTerms_OutputMessage** response message.

3.2.4.3.1 Messages

The following WSDL message definitions are specific to this operation.

3.2.4.3.1.1 TermEntityExtractorService_CleanTerms_InputMessage

The **TermEntityExtractorService_CleanTerms_InputMessage** request message initiates the operation that removes all the terms of a specific type from a property extractor.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTerms
```

The SOAP body MUST contain a **CleanTerms** element.

3.2.4.3.1.2 TermEntityExtractorService_CleanTerms_OutputMessage

The **TermEntityExtractorService_CleanTerms_OutputMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_CleanTerms_InputMessage** message. The **TermEntityExtractorService_CleanTerms_InputMessage** message initiates the operation to delete all terms of a specific type from a property extractor.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTermsResponse
```

The SOAP body MUST contain a **CleanTermsResponse** element.

3.2.4.3.1.3

TermEntityExtractorService_CleanTerms_AdminExceptionWCFFault_FaultMessage

The **TermEntityExtractorService_CleanTerms_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the

TermEntityExtractorService_CleanTerms_InputMessage message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTermsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.2.4.3.2 Elements

None.

3.2.4.3.3 Complex Types

None.

3.2.4.3.4 Simple Types

None.

3.2.4.3.5 Attributes

None.

3.2.4.3.6 Groups

None.

3.2.4.3.7 Attribute Groups

None.

3.2.4.4 Contains

The **Contains** operation checks whether a property extractor exists.

The following example specifies the structure of this operation.

```
<wsdl:operation name="Contains">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Contains" message="tns:TermEntityExtractorService_Contains_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsResponse" message="tns:TermEntityExtractorService_Contains_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:TermEntityExtractorService_Contains_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **TermEntityExtractorService_Contains_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **TermEntityExtractorService_Contains_OutputMessage** response message.

3.2.4.4.1 Messages

The following WSDL message definitions are specific to this operation.

3.2.4.4.1.1 TermEntityExtractorService_Contains_InputMessage

The **TermEntityExtractorService_Contains_InputMessage** request message initiates the operation that checks for the existence of a property extractor.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Contains
```

The SOAP body MUST contain a **Contains** element.

3.2.4.4.1.2 TermEntityExtractorService_Contains_OutputMessage

The **TermEntityExtractorService_Contains_OutputMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_Contains_InputMessage** message. The **TermEntityExtractorService_Contains_InputMessage** initiates the operation that checks for the existence of an entity extractor.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsResponse
```

The SOAP body MUST contain a **ContainsResponse** element.

3.2.4.4.1.3

TermEntityExtractorService_Contains_AdminExceptionWCFFault_FaultMessage

The **TermEntityExtractorService_Contains_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_Contains_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.2.4.4.2 Elements

None.

3.2.4.4.3 Complex Types

None.

3.2.4.4.4 Simple Types

None.

3.2.4.4.5 Attributes

None.

3.2.4.4.6 Groups

None.

3.2.4.4.7 Attribute Groups

None.

3.2.4.5 ContainsTerm

The **ContainsTerm** operation checks for the existence of a property extractor term.

The following example specifies the structure of this operation.

```
<wsdl:operation name="ContainsTerm">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTerm" message="tns:TermEntityExtractorService_ContainsTerm_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTermResponse" message="tns:TermEntityExtractorService_ContainsTerm_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTermAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:TermEntityExtractorService_ContainsTerm_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **TermEntityExtractorService_ContainsTerm_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **TermEntityExtractorService_ContainsTerm_OutputMessage** response message.

3.2.4.5.1 Messages

The following WSDL message definitions are specific to this operation.

3.2.4.5.1.1 TermEntityExtractorService_ContainsTerm_InputMessage

The **TermEntityExtractorService_ContainsTerm_InputMessage** request message initiates the operation that checks for the existence of a property extractor term.

The SOAP action value of the message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTerm`

The SOAP body MUST contain a **ContainsTerm** element.

3.2.4.5.1.2 TermEntityExtractorService_ContainsTerm_OutputMessage

The **TermEntityExtractorService_ContainsTerm_OutputMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_ContainsTerm_InputMessage** message. The **TermEntityExtractorService_ContainsTerm_InputMessage** initiates the operation to check for the existence of a property extractor term.

The SOAP action value of the response message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTermResponse`

The SOAP body MUST contain a **ContainsTermResponse** element.

3.2.4.5.1.3

TermEntityExtractorService_ContainsTerm_AdminExceptionWCFFault_FaultMessage

The **TermEntityExtractorService_ContainsTerm_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_ContainsTerm_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTermAdminExceptionWCFFault`

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.2.4.5.2 Elements

None.

3.2.4.5.3 Complex Types

None.

3.2.4.5.4 Simple Types

None.

3.2.4.5.5 Attributes

None.

3.2.4.5.6 Groups

None.

3.2.4.5.7 Attribute Groups

None.

3.2.4.6 Get

The **Get** operation retrieves property extractors.

The following example specifies the structure of this operation.

```
<wsdl:operation name="Get">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get"
    message="tns:TermEntityExtractorService_Get_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetResponse"
    message="tns:TermEntityExtractorService_Get_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:TermEntityExtractorService_Get_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **TermEntityExtractorService_Get_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **TermEntityExtractorService_Get_OutputMessage** response message.

3.2.4.6.1 Messages

The following WSDL message definitions are specific to this operation.

3.2.4.6.1.1 TermEntityExtractorService_Get_InputMessage

The **TermEntityExtractorService_Get_InputMessage** request message initiates the retrieval of the property extractors.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
```

The SOAP body MUST contain a **Get** element.

3.2.4.6.1.2 TermEntityExtractorService_Get_OutputMessage

The **TermEntityExtractorService_Get_OutputMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_Get_InputMessage** message. The **TermEntityExtractorService_Get_InputMessage** initiates the operation to retrieve property extractors.

The SOAP action value of the response message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetResponse`

The SOAP body MUST contain a **GetResponse** element.

3.2.4.6.1.3

TermEntityExtractorService_Get_AdminExceptionWCFFault_FaultMessage

The **TermEntityExtractorService_Get_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_Get_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAdminExceptionWCFFault`

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.2.4.6.2 Elements

None.

3.2.4.6.3 Complex Types

None.

3.2.4.6.4 Simple Types

None.

3.2.4.6.5 Attributes

None.

3.2.4.6.6 Groups

None.

3.2.4.6.7 Attribute Groups

None.

3.2.4.7 GetAll

The **GetAll** operation retrieves all property extractors.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetAll">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAll"
    message="tns:TermEntityExtractorService_GetAll_InputMessage" />
```

```

    <wsdl:output
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
      AllResponse" message="tns:TermEntityExtractorService_GetAll_OutputMessage" />
    <wsdl:fault
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
      AllAdminExceptionWCFFault" name="AdminExceptionWCFFault"
      message="tns:TermEntityExtractorService_GetAll_AdminExceptionWCFFault_FaultMessage" />
  </wsdl:operation>

```

The protocol client MUST send a **TermEntityExtractorService_GetAll_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **TermEntityExtractorService_GetAll_OutputMessage** response message.

3.2.4.7.1 Messages

The following WSDL message definitions are specific to this operation.

3.2.4.7.1.1 TermEntityExtractorService_GetAll_InputMessage

The **TermEntityExtractorService_GetAll_InputMessage** request message initiates the retrieval of all property extractors.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAll
```

The SOAP body MUST contain a **GetAll** element.

3.2.4.7.1.2 TermEntityExtractorService_GetAll_OutputMessage

The **TermEntityExtractorService_GetAll_OutputMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_GetAll_InputMessage** message. The **TermEntityExtractorService_GetAll_InputMessage** response message initiates the operation to retrieve all the property extractors.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllResponse
```

The SOAP body MUST contain a **GetAllResponse** element.

3.2.4.7.1.3

TermEntityExtractorService_GetAll_AdminExceptionWCFFault_FaultMessage

The **TermEntityExtractorService_GetAll_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_GetAll_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.2.4.7.2 Elements

None.

3.2.4.7.3 Complex Types

None.

3.2.4.7.4 Simple Types

None.

3.2.4.7.5 Attributes

None.

3.2.4.7.6 Groups

None.

3.2.4.7.7 Attribute Groups

None.

3.2.4.8 GetAllTerms

The **GetAllTerms** operation retrieves all terms for a property extractor.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetAllTerms">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllTerms" message="tns:TermEntityExtractorService_GetAllTerms_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllTermsResponse" message="tns:TermEntityExtractorService_GetAllTerms_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllTermsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:TermEntityExtractorService_GetAllTerms_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **TermEntityExtractorService_GetAllTerms_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **TermEntityExtractorService_GetAllTerms_OutputMessage** response message.

3.2.4.8.1 Messages

The following WSDL message definitions are specific to this operation.

3.2.4.8.1.1 TermEntityExtractorService_GetAllTerms_InputMessage

The **TermEntityExtractorService_GetAllTerms_InputMessage** request message initiates the retrieval of all terms for a property extractor.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllTerms
```

The SOAP body MUST contain a **GetAllTerms** element.

3.2.4.8.1.2 TermEntityExtractorService_GetAllTerms_OutputMessage

The **TermEntityExtractorService_GetAllTerms_OutputMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_GetAllTerms_InputMessage** message. The **TermEntityExtractorService_GetAllTerms_InputMessage** initiates the operation to retrieve all terms for a property extractor.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllTermsResponse
```

The SOAP body MUST contain a **GetAllTerms** element.

3.2.4.8.1.3

TermEntityExtractorService_GetAllTerms_AdminExceptionWCFFault_FaultMessage

The **TermEntityExtractorService_GetAllTerms_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_GetAllTerms_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllTermsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.2.4.8.2 Elements

None.

3.2.4.8.3 Complex Types

None.

3.2.4.8.4 Simple Types

None.

3.2.4.8.5 Attributes

None.

3.2.4.8.6 Groups

None.

3.2.4.8.7 Attribute Groups

None.

3.2.4.9 GetTerms

The **GetTerms** operation retrieves terms for a property extractor.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetTerms">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetTerms" message="tns:TermEntityExtractorService_GetTerms_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetTermsResponse" message="tns:TermEntityExtractorService_GetTerms_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetTermsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:TermEntityExtractorService_GetTerms_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **TermEntityExtractorService_GetTerms_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **TermEntityExtractorService_GetTerms_OutputMessage** response message.

3.2.4.9.1 Messages

The following WSDL message definitions are specific to this operation.

3.2.4.9.1.1 TermEntityExtractorService_GetTerms_InputMessage

The **TermEntityExtractorService_GetTerms_InputMessage** request message initiates the retrieval of terms for a property extractor.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetTerms
```

The SOAP body MUST contain a **GetTerms** element.

3.2.4.9.1.2 TermEntityExtractorService_GetTerms_OutputMessage

The **TermEntityExtractorService_GetTerms_OutputMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_GetTerms_InputMessage** message. **TermEntityExtractorService_GetTerms_InputMessage** initiates the operation to retrieve terms for a property extractor.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetTermsResponse
```

The SOAP body MUST contain a **GetTermsResponse** element.

3.2.4.9.1.3

TermEntityExtractorService_GetTerms_AdminExceptionWCFFault_FaultMessage

The **TermEntityExtractorService_GetTerms_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_GetTerms_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetTermsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.2.4.9.2 Elements

None.

3.2.4.9.3 Complex Types

None.

3.2.4.9.4 Simple Types

None.

3.2.4.9.5 Attributes

None.

3.2.4.9.6 Groups

None.

3.2.4.9.7 Attribute Groups

None.

3.2.4.10 RemoveTerm

The **RemoveTerm** operation deletes a term from a property extractor.

The following example specifies the structure of this operation.

```
<wsdl:operation name="RemoveTerm">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTerm" message="tns:TermEntityExtractorService_RemoveTerm_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTermResponse" message="tns:TermEntityExtractorService_RemoveTerm_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTermAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:TermEntityExtractorService_RemoveTerm_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **TermEntityExtractorService_RemoveTerm_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **TermEntityExtractorService_RemoveTerm_OutputMessage** response message.

3.2.4.10.1 Messages

The following WSDL message definitions are specific to this operation.

3.2.4.10.1.1 TermEntityExtractorService_RemoveTerm_InputMessage

The **TermEntityExtractorService_RemoveTerm_InputMessage** request message initiates the removal of a term from a property extractor.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTerm
```

The SOAP body MUST contain a **RemoveTerm** element.

3.2.4.10.1.2 TermEntityExtractorService_RemoveTerm_OutputMessage

The **TermEntityExtractorService_RemoveTerm_OutputMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_RemoveTerm_InputMessage** message. The **TermEntityExtractorService_RemoveTerm_InputMessage** initiates the operation to delete a term from a property extractor.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTermResponse
```

The SOAP body MUST contain a **RemoveTermResponse** element.

3.2.4.10.1.3

TermEntityExtractorService_RemoveTerm_AdminExceptionWCFFault_FaultMessage

The **TermEntityExtractorService_RemoveTerm_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **TermEntityExtractorService_RemoveTerm_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTermAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.2.4.10.2 Elements

None.

3.2.4.10.3 Complex Types

None.

3.2.4.10.4 Simple Types

None.

3.2.4.10.5 Attributes

None.

3.2.4.10.6 Groups

None.

3.2.4.10.7 Attribute Groups

None.

3.2.5 Timer Events

None.

3.2.6 Other Local Events

None.

3.3 DeploymentService Server Details

This service provides the operation required for deployment of dictionaries.

3.3.1 Abstract Data Model

This section describes a conceptual model of a possible organization of data 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.

Distributed search system components that use dictionaries that contain spell-check exclusions, or that contain property exclusions and inclusions, might not automatically retrieve updated versions of these dictionaries when they are updated by protocol clients. Protocol clients use the DeploymentService to force components that use these dictionaries to download and activate updated dictionaries.

The DeploymentService is stateless.

The protocol server MUST use several other protocols to propagate deployment operations in the system. More specifically, the protocol server MUST use the following protocols to perform the following tasks:

- To deploy property extraction exclusion and exclusion dictionaries, the protocol server MUST use the Configuration Protocol, as specified in [\[MS-FSCMW\]](#), and the Query and Result Configuration Protocol, as specified in [\[MS-FSQRC\]](#).
- To deploy spell-check exception dictionaries, the protocol server MUST use the Query and Result Configuration Protocol, as specified in [\[MS-FSQRC\]](#).

These protocols are based on the Middleware Protocol, as specified in [\[MS-FSMW\]](#).

The following figure shows the communication flow in the DeploymentService Web Service.

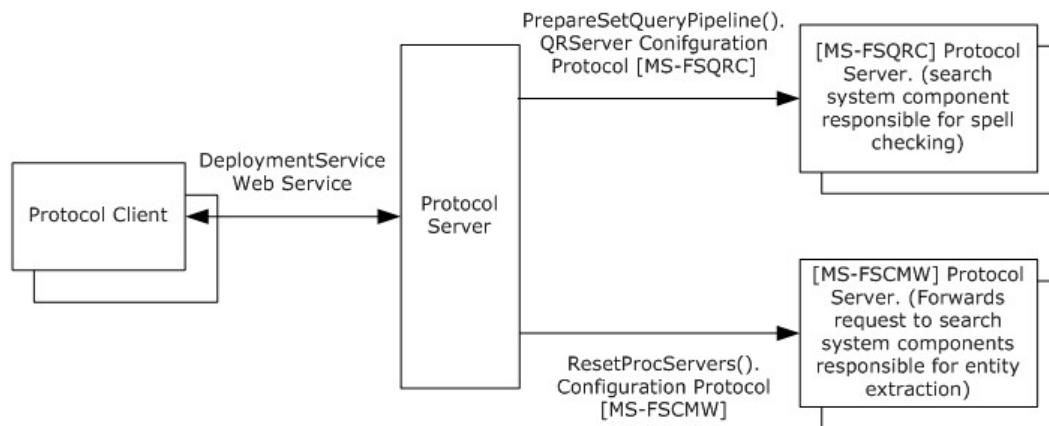


Figure 3: Communication flow in the DeploymentService Web Service

3.3.2 Timers

None.

3.3.3 Initialization

None.

3.3.4 Message Processing Events and Sequencing Rules

The following table specifies the message processing events and sequencing rules that are associated with the `DeploymentService`.

| Operation | Description |
|---------------|--|
| Deploy | Distributes and activates either spell-check dictionaries or property extraction exclusion and inclusion dictionaries. |

3.3.4.1 Deploy

Distributes and activates dictionaries of the given type in the search system.

If the given **LinguisticType** is `SPELLCHECKING`, the operation distributes and activates spell-check dictionaries to spell-checkers in the search system. This **MUST** be achieved by calling the **PrepareSetQueryPipeline** operation on all Query and Result Processing protocol servers in the search system, as specified in [\[MS-FSQRCL\]](#).

If the given **LinguisticType** is `ENTITYEXTRACTION`, the operation distributes and activates property extraction exclusion and inclusion dictionaries to entity extractors in the search system. This **MUST** be performed by calling the **PrepareSetQueryPipeline** operation on all Query and Result Processing protocol servers in the search system, as specified in [\[MS-FSQRCL\]](#); and calling the **ResetProcServers** operation on the protocol server, as specified in [\[MS-FSCMW\]](#).

The following example shows the **Deploy** operation.

```
<wsdl:operation name="Deploy">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/DeploymentService/Deploy"
    message="tns:DeploymentService_Deploy_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/DeploymentService/DeployResponse"
    message="tns:DeploymentService_Deploy_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/DeploymentService/DeployAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:DeploymentService_Deploy_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client **MUST** send a **DeploymentService_Deploy_InputMessage** request message and the protocol server **MUST** respond with a **DeploymentService_Deploy_OutputMessage** response message when the operation finishes successfully.

3.3.4.1.1 Messages

The following WSDL message definitions are specific to this operation.

3.3.4.1.1.1 DeploymentService_Deploy_InputMessage

The **DeploymentService_Deploy_InputMessage** request message initiates the deployment of spell-check exclusion or property extraction exclusion and inclusion dictionaries.

The SOAP action value of the message **MUST** be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/DeploymentService/Deploy`

The SOAP body MUST contain a **Deploy** element.

3.3.4.1.1.2 DeploymentService_Deploy_OutputMessage

The **DeploymentService_Deploy_OutputMessage** response message is sent in reply to the request that is initiated by the **DeploymentService_Deploy_InputMessage** message. The **DeploymentService_Deploy_InputMessage** initiates the operation to deploy spell-check or property extraction configuration.

The SOAP action value of the response message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/DeploymentService/DeployResponse`

The SOAP body MUST contain a **DeployResponse** element.

3.3.4.1.1.3 DeploymentService_Deploy_AdminExceptionWCFFault_FaultMessage

The **DeploymentService_Deploy_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **DeploymentService_Deploy_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/DeploymentService/DeployAdminExceptionWCFFault`

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.3.4.1.2 Elements

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

3.3.4.1.2.1 Deploy

The **Deploy** element contains input data for a **Deploy** operation.

The following example specifies the structure of this element.

```
<xsd:element name="Deploy">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="type" type="tns:LinguisticType" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

LinguisticType: The type of the dictionaries to deploy.

DeployResponse: The result data for a **Deploy** operation.

The following example specifies the structure of this element.

```
<xsd:element name="DeployResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.3.4.1.3 Complex Types

None.

3.3.4.1.4 Simple Types

None.

3.3.4.1.5 Attributes

None.

3.3.4.1.6 Groups

None.

3.3.4.1.7 Attribute Groups

None.

3.3.5 Timer Events

None.

3.3.6 Other Local Events

None.

3.4 PersistedDictionaryService Server Details

This service provides operations related to persisted dictionaries.

3.4.1 Abstract Data Model

This section describes a conceptual model of a possible organization of data 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.

The PersistedDictionaryService protocol server acts as a storage location for persisted dictionaries. The SpellCheckerService protocol server **MUST** use the PersistedDictionaryService to persist dictionaries of spell-check exclusions. The TermEntityExtractorService protocol server **MUST** use the PersistedDictionaryService to persist dictionaries of property extraction exclusion and exclusions."

The protocol server **MUST** maintain a list of the following:

Persisted dictionary: A persisted dictionary consists of a name, a Boolean flag named "dirty" and a list of entries, each of which consists of a key/value pair of strings.

When a change such as adding or removing an entry is made to a persisted dictionary, the protocol server **MUST** set the "dirty" value of the persisted dictionary to **true**.

The contents of the key and value strings depend on the usage of the persisted dictionary. The **SpellCheckerService** uses the keys to store spell-check exclusions, while **TermEntityExtractorService** stores property extraction exclusions and exclusions. Both of these services leave the value field empty.

3.4.2 Timers

None.

3.4.3 Initialization

None.

3.4.4 Message Processing Events and Sequencing Rules

The following table specifies message processing events and sequencing rules.

| Operation | Description |
|------------------------------|--|
| Add | Add a new persisted dictionary. |
| AddEntry | Add an entry to a persisted dictionary. |
| ChangeName | Change the name of a persisted dictionary. |
| Contains | Check whether a persisted dictionary exists. |
| ContainsEntry | Check whether a persisted dictionary contains a specific entry. |
| ContainsEntryKey | Check whether a persisted dictionary contains an entry with a specific key. |
| Clear | Clear all entries in a persisted dictionary. |
| Count | Return the number of persisted dictionaries. |
| CountEntries | Return the number of entries in a persisted dictionary. |
| Get | Retrieve the names of a subset of persisted dictionaries. |
| GetAll | Retrieve the names of all persisted dictionaries. |
| GetAllEntries | Retrieve all entries for one persisted dictionary. |
| GetEntries | Retrieve a subset of entries for one persisted dictionary. |
| GetEntriesAndSetClean | Retrieve all entries from a persisted dictionary and set the "dirty" value to false . |
| GetEntryKeys | Retrieve all entry keys from one persisted dictionary. |
| GetEntryValue | Retrieve a persisted dictionary entry value. |

| Operation | Description |
|-----------------------|--|
| GetEntryValues | Retrieve all entry values from one persisted dictionary. |
| IsDirty | Check whether the "dirty" value is true for a persisted dictionary. |
| Remove | Delete a persisted dictionary. |
| RemoveAll | Delete all persisted dictionaries. |
| RemoveEntry | Delete a persisted dictionary entry. |
| SetDirty | Set the persisted dictionary "dirty" value to true . |
| CountEntries | Set a persisted dictionary entry value. |

3.4.4.1 Add

The **Add** operation creates a new persisted dictionary.

The following example specifies the structure of this element.

```
<wsdl:operation name="Add">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Add" message="tns:PersistedDictionaryService_Add_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/AddResponse" message="tns:PersistedDictionaryService_Add_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/AddAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_Add_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_Add_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_Add_OutputMessage** response message.

The protocol server MUST set the dirty value of the persisted dictionary to **false**.

3.4.4.1.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.1.1.1 PersistedDictionaryService_Add_InputMessage

The **PersistedDictionaryService_Add_InputMessage** request message initiates the addition of a new persisted dictionary.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Add
```

The SOAP body MUST contain an **Add** element.

3.4.4.1.1.2 PersistedDictionaryService_Add_OutputMessage

The **PersistedDictionaryService_Add_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_Add_InputMessage** message. The **PersistedDictionaryService_Add_InputMessage** message initiates the request to add a persisted dictionary.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/AddResponse
```

The SOAP body MUST contain an **AddResponse** element.

3.4.4.1.1.3

PersistedDictionaryService_Add_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_Add_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_Add_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/AddAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.1.2 Elements

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

3.4.4.1.2.1 Add

The **Add** element contains input data for an **Add** operation.

The following example specifies the structure of this element.

```
<xsd:element name="Add">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The name of the persisted dictionary to add. The name MUST be unique for each persisted dictionary.

3.4.4.1.2.2 AddResponse

The **AddResponse** element contains result data for an **Add** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AddResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.4.4.1.3 Complex Types

None.

3.4.4.1.4 Simple Types

None.

3.4.4.1.5 Attributes

None.

3.4.4.1.6 Groups

None.

3.4.4.1.7 Attribute Groups

None.

3.4.4.2 AddEntry

The **AddEntry** operation adds an entry to a persisted dictionary.

The following example specifies the structure of this element.

```
<wsdl:operation name="AddEntry">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/AddEntry" message="tns:PersistedDictionaryService_AddEntry_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/AddEntryResponse" message="tns:PersistedDictionaryService_AddEntry_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/AddEntryAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_AddEntry_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_AddEntry_InputMessage** request message and the protocol server MUST respond with a **PersistedDictionaryService_AddEntry_OutputMessage** response message when the operation finishes successfully.

The protocol server MUST set the "dirty" value of the persisted dictionary to **true**.

3.4.4.2.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.2.1.1 PersistedDictionaryService_AddEntry_InputMessage

The **PersistedDictionaryService_AddEntry_InputMessage** request message initiates the adding of an entry to a persisted dictionary.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/AddEntry
```

The SOAP body MUST contain an **AddEntry** element.

3.4.4.2.1.2 PersistedDictionaryService_AddEntry_OutputMessage

The **PersistedDictionaryService_AddEntry_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_AddEntry_InputMessage** message. The **PersistedDictionaryService_AddEntry_InputMessage** initiates the operation to add an entry to a persisted dictionary.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/AddEntryResponse
```

The SOAP body MUST contain an **AddEntryResponse** element.

3.4.4.2.1.3

PersistedDictionaryService_AddEntry_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_AddEntry_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_AddEntry_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/AddEntryAdminExceptionWCFFault
```

The SOAP body MUST contain a **AdminExceptionWCF** element.

3.4.4.2.2 Elements

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

3.4.4.2.2.1 AddEntry

The **AddEntry** element contains input data for an **AddEntry** operation.

The following example specifies the structure of this element.

```

<xsd:element name="AddEntry">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="entry" type="scg:KeyValuePairOfstringstring" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

name: The name of a persisted dictionary.

entry: The entry to add.

3.4.4.2.2 AddEntryResponse

The **AddEntryResponse** element contains result data for an **Add** operation.

The following example specifies the structure of this element.

```

<xsd:element name="AddEntryResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

```

This element is empty.

3.4.4.2.3 Complex Types

None.

3.4.4.2.4 Simple Types

None.

3.4.4.2.5 Attributes

None.

3.4.4.2.6 Groups

None.

3.4.4.2.7 Attribute Groups

None.

3.4.4.3 ChangeName

The **ChangeName** operation changes the name of a persisted dictionary.

The following example specifies the structure of this element.

```

<wsdl:operation name="ChangeName">

```

```

    <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ChangeName" message="tns:PersistedDictionaryService_ChangeName_InputMessage"/>
    <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ChangeNameResponse" message="tns:PersistedDictionaryService_ChangeName_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ChangeNameAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:PersistedDictionaryService_ChangeName_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **PersistedDictionaryService_ChangeName_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **PersistedDictionaryService_ChangeName_OutputMessage** response message.

The protocol server MUST set the "dirty" value of the persisted dictionary to **true**.

3.4.4.3.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.3.1.1 PersistedDictionaryService_ChangeName_InputMessage

The **PersistedDictionaryService_ChangeName_InputMessage** request message initiates the changing of a persisted dictionary name.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ChangeName

```

The SOAP body MUST contain a **ChangeName** element.

3.4.4.3.1.2 PersistedDictionaryService_ChangeName_OutputMessage

The **PersistedDictionaryService_ChangeName_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_ChangeName_InputMessage**.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ChangeNameResponse

```

The SOAP body MUST contain a **ChangeNameResponse** element.

3.4.4.3.1.3

PersistedDictionaryService_ChangeName_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_ChangeName_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the

PersistedDictionaryService_ChangeName_InputMessage message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ChangeNameAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.3.2 Elements

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

3.4.4.3.2.1 ChangeName

The **ChangeName** element contains input data for a **ChangeName** operation.

The following example specifies the structure of this element.

```
<xsd:element name="ChangeName">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="oldName" nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="newName" nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

oldName: The name of the persisted dictionary that is to be renamed.

newName: The new name of the persisted dictionary.

3.4.4.3.2.2 ChangeNameResponse

The **ChangeNameResponse** element contains result data for a **ChangeName** operation.

The following example specifies the structure of this element.

```
<xsd:element name="ChangeNameResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.4.4.3.3 Complex Types

None.

3.4.4.3.4 Simple Types

None.

3.4.4.3.5 Attributes

None.

3.4.4.3.6 Groups

None.

3.4.4.3.7 Attribute Groups

None.

3.4.4.4 Contains

The **Contains** operation checks whether a persisted dictionary exists.

The following example specifies the structure of this element.

```
<wsdl:operation name="Contains">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Contains" message="tns:PersistedDictionaryService_Contains_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsResponse" message="tns:PersistedDictionaryService_Contains_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_Contains_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_Contains_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_Contains_OutputMessage** response message.

3.4.4.4.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.4.1.1 PersistedDictionaryService_Contains_InputMessage

The **PersistedDictionaryService_Contains_InputMessage** request message initiates a check on the existence of a persisted dictionary.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Contains
```

The SOAP body MUST contain a **Contains** element.

3.4.4.4.1.2 PersistedDictionaryService_Contains_OutputMessage

The **PersistedDictionaryService_ChangeName_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the

PersistedDictionary_Contains_InputMessage message. The **PersistedDictionaryService_Contains_InputMessage** message initiates an operation to check whether a persisted dictionary exists.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsResponse
```

The SOAP body MUST contain a **ContainsResponse** element.

3.4.4.4.1.3 PersistedDictionaryService_Contains_AdminWCFFault_FaultMessage

The **PersistedDictionaryService_Contains_AdminWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionary_Contains_InputMessage** message. The protocol server MUST return this message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContainsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.4.2 Elements

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

3.4.4.4.2.1 Contains

The **Contains** element contains input data for a **Contains** operation.

The following example specifies the structure of this element.

```
<xsd:element name="Contains">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The name of a persisted dictionary.

3.4.4.4.2.2 ContainsResponse

The **ContainsResponse** element contains result data for a **Contains** operation.

The following example specifies the structure of this element.

```
<xsd:element name="ContainsResponse">
  <xsd:complexType>
    <xsd:sequence>
```



```

        <xsd:element minOccurs="0" name="ContainsResult" type="xsd:boolean" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

```

ContainsResult: The value is **true** if the persisted dictionary exists; otherwise, the value is **false**.

3.4.4.4.3 Complex Types

None.

3.4.4.4.4 Simple Types

None.

3.4.4.4.5 Attributes

None.

3.4.4.4.6 Groups

None.

3.4.4.4.7 Attribute Groups

None.

3.4.4.5 ContainsEntry

The **ContainsEntry** operation checks whether a persisted dictionary contains a specific entry.

The following example specifies the structure of this element.

```

<wsdl:operation name="ContainsEntry">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntry" message="tns:PersistedDictionaryService_ContainsEntry_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntryResponse"
    message="tns:PersistedDictionaryService_ContainsEntry_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntryAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_ContainsEntry_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **PersistedDictionaryService_ContainsEntry_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_ContainsEntry_OutputMessage** response message.

3.4.4.5.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.5.1.1 **PersistedDictionaryService_ContainsEntry_InputMessage**

The **PersistedDictionaryService_ContainsEntry_InputMessage** request message initiates the operation to check on the existence of a persisted dictionary entry.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntry
```

The SOAP body MUST contain a **ContainsEntry** element.

3.4.4.5.1.2 **PersistedDictionaryService_ContainsEntry_OutputMessage**

The **PersistedDictionaryService_ContainsEntry_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_ContainsEntry_InputMessage** message. The **PersistedDictionaryService_ContainsEntry_InputMessage** initiates the operation to check for the existence of a persisted dictionary entry.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntryResponse
```

The SOAP body MUST contain a **ContainsEntryResponse** element.

3.4.4.5.1.3

PersistedDictionaryService_ContainsEntry_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_ContainsEntry_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_ContainsEntry_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntryAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.5.2 **Elements**

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

3.4.4.5.2.1 **ContainsEntry**

The **ContainsEntry** element contains input data for a **ContainsEntry** operation.

The following example specifies the structure of this element.

```

<xsd:element name="ContainsEntry">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="entry" type="scg:KeyValuePairOfStringstring" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

name: Name of a persisted dictionary.

entry: A persisted dictionary entry.

3.4.4.5.2 ContainsEntryResponse

The **ContainsEntryResponse** element contains result data for a **ContainsEntry** operation.

The following example specifies the structure of this element.

```

<xsd:element name="ContainsEntryResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsEntryResult" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

ContainsEntryResult: The value is **true** if the entry exists; otherwise, the value is **false**.

3.4.4.5.3 Complex Types

None.

3.4.4.5.4 Simple Types

None.

3.4.4.5.5 Attributes

None.

3.4.4.5.6 Groups

None.

3.4.4.5.7 Attribute Groups

None.

3.4.4.6 ContainsEntryKey

The **ContainsEntryKey** operation checks whether a persisted dictionary contains an entry with a specific key.

The following example specifies the structure of this element.

```
<wsdl:operation name="ContainsEntryKey">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntryKey"
    message="tns:PersistedDictionaryService_ContainsEntryKey_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntryKeyResponse"
    message="tns:PersistedDictionaryService_ContainsEntryKey_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntryKeyAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_ContainsEntryKey_AdminExceptionWCFFault_FaultMessage"
  />
</wsdl:operation>
```

The protocol client MUST send a

PersistedDictionaryService_ContainsEntryKey_InputMessage request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_ContainsEntryKey_OutputMessage** response message.

3.4.4.6.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.6.1.1 PersistedDictionaryService_ContainsEntryKey_InputMessage

The **PersistedDictionaryService_ContainsEntryKey_InputMessage** request message initiates a check on the existence of a persisted dictionary entry key.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntryKey
```

The SOAP body MUST contain a **ContainsEntryKey** element.

3.4.4.6.1.2 PersistedDictionaryService_ContainsEntryKey_OutputMessage

The **PersistedDictionaryService_ContainsEntryKey_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_ContainsEntryKey_InputMessage** message. The **PersistedDictionaryService_ContainsEntryKey_InputMessage** initiates the operation that checks for the existence of a persisted dictionary entry key.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntryKeyResponse
```

The SOAP body MUST contain a **ContainsEntryKeyResponse** element.

3.4.4.6.1.3

PersistedDictionaryService_ContainsEntryKey_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_ContainsEntryKey_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_ContainsEntryKey_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntryKeyAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.6.2 Elements

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

3.4.4.6.2.1 ContainsEntryKey

The **ContainsEntryKey** element contains input data for a **ContainsEntryKey** operation.

The following example specifies the structure of this element.

```
<xsd:element name="ContainsEntryKey">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="key" nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: Name of a persisted dictionary.

key: String representing the key in a persisted dictionary entry.

3.4.4.6.2.2 ContainsEntryKeyResponse

The **ContainsEntryKeyResponse** element contains result data for a **ContainsEntryKey** operation.

The following example specifies the structure of this element.

```
<xsd:element name="ContainsEntryKeyResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsEntryKeyResult" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ContainsEntryResult: The value is **true** if the persisted dictionary contains an entry with the key; otherwise, the value is **false**.

3.4.4.6.3 Complex Types

None.

3.4.4.6.4 Simple Types

None.

3.4.4.6.5 Attributes

None.

3.4.4.6.6 Groups

None.

3.4.4.6.7 Attribute Groups

None.

3.4.4.7 Clear

The **Clear** operation deletes all entries from a persisted dictionary.

The following example specifies the structure of this element.

```
<wsdl:operation name="Clear">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Clear" message="tns:PersistedDictionaryService_Clear_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ClearResponse" message="tns:PersistedDictionaryService_Clear_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ClearAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_Clear_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_Clear_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **PersistedDictionaryService_Clear_OutputMessage** response message.

The protocol server MUST set the "dirty" value of the persisted dictionary to **true**.

3.4.4.7.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.7.1.1 **PersistedDictionaryService_Clear_InputMessage**

The **PersistedDictionaryService_Clear_InputMessage** request message initiates the removal of all persisted dictionaries.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Clear
```

The SOAP body MUST contain a **Clear** element.

3.4.4.7.1.2 **PersistedDictionaryService_Clear_OutputMessage**

The **PersistedDictionaryService_Clear_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_Clear_InputMessage** message. The **PersistedDictionaryService_Clear_InputMessage** message initiates the operation to delete all persisted dictionaries.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ClearResponse
```

The SOAP body MUST contain an **ClearResponse** element.

3.4.4.7.1.3

PersistedDictionaryService_Clear_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_Clear_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_Clear_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/AddEntryAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.7.2 **Elements**

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

3.4.4.7.2.1 **Clear**

The **Clear** element contains input data for a **Clear** operation.

The following example specifies the structure of this element.

```
<xsd:element name="Clear">
  <xsd:complexType>
    <xsd:sequence>
```

```

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

```

name: Name of a persisted dictionary.

3.4.4.7.2.2 ClearResponse

The **ClearResponse** element contains result data for a **Clear** operation.

The following example specifies the structure of this element.

```

<xsd:element name="ClearResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

```

This element is empty.

3.4.4.7.3 Complex Types

None.

3.4.4.7.4 Simple Types

None.

3.4.4.7.5 Attributes

None.

3.4.4.7.6 Groups

None.

3.4.4.7.7 Attribute Groups

None.

3.4.4.8 Count

The **Count** operation returns the number of persisted dictionaries that exist.

The following example specifies the structure of this element.

```

<wsdl:operation name="Count">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Count" message="tns:PersistedDictionaryService_Count_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/CountResponse" message="tns:PersistedDictionaryService_Count_OutputMessage"/>

```



```
<wsdl:fault
  wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/CountAdminExceptionWCFFault" name="AdminExceptionWCFFault"
  message="tns:PersistedDictionaryService_Count_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_Count_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_Count_OutputMessage** response message.

3.4.4.8.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.8.1.1 PersistedDictionaryService_Count_InputMessage

The **PersistedDictionaryService_Count_InputMessage** request message initiates the counting of the number of persisted dictionaries.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Count
```

The SOAP body MUST contain a **Count** element.

3.4.4.8.1.2 PersistedDictionaryService_Count_OutputMessage

The **PersistedDictionaryService_Count_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_Count_InputMessage** message. The **PersistedDictionaryService_Count_InputMessage** message initiates the operation to count the number of persisted dictionaries.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/CountResponse
```

The SOAP body MUST contain a **CountResponse** element.

3.4.4.8.1.3

PersistedDictionaryService_Count_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_Count_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_Count_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/CountAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.8.2 Elements

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

3.4.4.8.2.1 Count

The **Count** element contains input data for a **Count** operation.

The following example specifies the structure of this element.

```
<xsd:element name="Count">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.4.4.8.2.2 CountResponse

The **CountResponse** element contains result data for a **Count** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CountResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CountResult" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CountResult: The number of persisted dictionaries.

3.4.4.8.3 Complex Types

None.

3.4.4.8.4 Simple Types

None.

3.4.4.8.5 Attributes

None.

3.4.4.8.6 Groups

None.

3.4.4.8.7 Attribute Groups

None.

3.4.4.9 CountEntries

The **CountEntries** operation returns the number of entries that exist in a persisted dictionary.

The following example specifies the structure of this element.

```
<wsdl:operation name="CountEntries">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/CountEntries" message="tns:PersistedDictionaryService_CountEntries_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/CountEntriesResponse"
    message="tns:PersistedDictionaryService_CountEntries_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/CountEntriesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_CountEntries_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_CountEntries_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_CountEntries_OutputMessage** response message.

3.4.4.9.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.9.1.1 PersistedDictionaryService_CountEntries_InputMessage

The **PersistedDictionaryService_CountEntries_InputMessage** request message initiates the counting of the number of entries in a persisted dictionary.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/CountEntries
```

The SOAP body MUST contain a **CountEntries** element.

3.4.4.9.1.2 PersistedDictionaryService_CountEntries_OutputMessage

The **PersistedDictionaryService_Clear_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_CountEntries_InputMessage** message. The **PersistedDictionaryService_CountEntries_InputMessage** message initiates the operation to count the number of entries in a persisted dictionary.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/CountEntriesResponse
```

The SOAP body MUST contain a **CountEntriesResponse** element.

3.4.4.9.1.3

PersistedDictionaryService_CountEntries_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_CountEntries_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_CountEntries_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/CountEntriesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.9.2 Elements

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

3.4.4.9.2.1 CountEntries

The **CountEntries** element contains input data for a **CountEntries** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CountEntries">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The name of a persisted dictionary.

3.4.4.9.2.2 CountEntriesResponse

The **CountEntriesResponse** element contains result data for a **CountEntries** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CountEntriesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CountEntriesResult" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
```

```
</xsd:element>
```

CountEntriesResult: The number of entries in a persisted dictionary.

3.4.4.9.3 Complex Types

None.

3.4.4.9.4 Simple Types

None.

3.4.4.9.5 Attributes

None.

3.4.4.9.6 Groups

None.

3.4.4.9.7 Attribute Groups

None.

3.4.4.10 Get

The **Get** operation retrieves the names of a subset of the persisted dictionaries that exist in the system. The size and ordering of the set that is retrieved is controlled by values in the **Get** input message.

The following example specifies the structure of this operation.

```
<wsdl:operation name="Get">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Get" message="tns:PersistedDictionaryService_Get_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetResponse" message="tns:PersistedDictionaryService_Get_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_Get_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_Get_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_Get_OutputMessage** response message.

3.4.4.10.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.10.1.1 **PersistedDictionaryService_Get_InputMessage**

The **PersistedDictionaryService_Get_InputMessage** request message initiates the retrieval of persisted dictionary names.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionary/Get
```

The SOAP body MUST contain a **Get** element.

3.4.4.10.1.2 **PersistedDictionaryService_Get_OutputMessage**

The **PersistedDictionaryService_Get_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_Get_InputMessage** message. The **PersistedDictionaryService_Get_InputMessage** message initiates the operation to retrieve persisted dictionary names.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionary/GetResponse
```

The SOAP body MUST contain a **GetResponse** element.

3.4.4.10.1.3

PersistedDictionaryService_Get_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_Get_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_Get_AdminExceptionWCFFault_FaultMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.10.2 **Elements**

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

3.4.4.10.2.1 **Get**

The **Get** element contains input data for a **Get** operation. The offset and count parameters enable protocol clients to retrieve batches of elements from a potentially large result set.

The following example specifies the structure of this element.

```
<xsd:element name="Get">
  <xsd:complexType>
    <xsd:sequence>
```

```

        <xsd:element minOccurs="0" name="field" type="tns:SortField" />
        <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
        <xsd:element minOccurs="0" name="offset" type="xsd:int" />
        <xsd:element minOccurs="0" name="count" type="xsd:int" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

```

field: The field to sort by.

direction: The direction in which to sort.

offset: The number of persisted dictionaries to skip after sorting the result.

count: The maximum number of persisted dictionaries to retrieve.

3.4.4.10.2.2 GetResponse

The **GetResponse** element contains result data for a **Get** operation.

The following example specifies the structure of this operation.

```

<xsd:element name="GetResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetResult" nillable="true" type="msa:ArrayOfstring" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

GetResult: An array of persisted dictionary names.

3.4.4.10.3 Complex Types

None.

3.4.4.10.4 Simple Types

None.

3.4.4.10.5 Attributes

None.

3.4.4.10.6 Groups

None.

3.4.4.10.7 Attribute Groups

None.

3.4.4.11 GetAll

The **GetAll** operation retrieves all persisted dictionary names.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetAll">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAll" message="tns:PersistedDictionaryService_GetAll_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAllResponse" message="tns:PersistedDictionaryService_GetAll_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAllAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_GetAll_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_GetAll_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_GetAll_OutputMessage** response message.

3.4.4.11.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.11.1.1 PersistedDictionaryService_GetAll_InputMessage

The **PersistedDictionaryService_GetAll_InputMessage** request message initiates the operation to retrieve all persisted dictionary names.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAll
```

The SOAP body MUST contain a **GetAll** element.

3.4.4.11.1.2 PersistedDictionaryService_GetAll_OutputMessage

The **PersistedDictionaryService_GetAll_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_GetAll_InputMessage** message. The **PersistedDictionaryService_GetAll_InputMessage** initiates the request to retrieve all persisted dictionary names.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionary/GetAllResponse
```

The SOAP body MUST contain a **GetAllResponse** element.

3.4.4.11.1.3

PersistedDictionaryService_GetAll_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_GetAll_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_GetAll_InputMessage** request message. The **PersistedDictionaryService_GetAll_AdminExceptionWCFFault_FaultMessage** MUST be returned by the protocol server when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAllAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.11.2 Elements

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

3.4.4.11.2.1 **GetAll**

The **GetAll** element contains input data for a **GetAll** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetAll">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.4.4.11.2.2 **GetAllResponse**

The **GetAllResponse** element contains result data for a **GetAll** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetAllResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetAllResult" nillable="true" type="msa:ArrayOfstring" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetAllResult: An array of persisted dictionary names.

3.4.4.11.3 Complex Types

None.

3.4.4.11.4 Simple Types

None.

3.4.4.11.5 Attributes

None.

3.4.4.11.6 Groups

None.

3.4.4.11.7 Attribute Groups

None.

3.4.4.12 GetAllEntries

The **GetAllEntries** operation retrieves all entries for one persisted dictionary.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetAllEntries">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAllEntries" message="tns:PersistedDictionaryService_GetAllEntries_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAllEntriesResponse"
    message="tns:PersistedDictionaryService_GetAllEntries_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAllEntriesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_GetAllEntries_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_GetAllEntries_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_GetAllEntries_OutputMessage** response message.

3.4.4.12.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.12.1.1 PersistedDictionaryService_GetAllEntries_InputMessage

The **PersistedDictionaryService_GetAllEntries_InputMessage** request message initiates the operation to retrieve all the entries for a persisted dictionary.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionary/GetAllEntries
```

The SOAP body MUST contain a **GetAllEntries** element.

3.4.4.12.1.2 PersistedDictionaryService_GetAllEntries_OutputMessage

The **PersistedDictionaryService_GetAllEntries_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_GetAllEntries_InputMessage**. The **PersistedDictionaryService_GetAllEntries_InputMessage** initiates the operation to retrieve all entries for a persisted dictionary.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAllEntriesResponse
```

The SOAP body MUST contain a **GetAllEntriesResponse** element.

3.4.4.12.1.3

PersistedDictionaryService_GetAllEntries_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_GetAllEntries_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_GetAllEntries_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAllEntriesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.12.2 Elements

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

3.4.4.12.2.1 GetAllEntries

The **GetAllEntries** element contains input data for a **GetAllEntries** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetAllEntries">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The name of a persisted dictionary.

3.4.4.12.2 GetAllEntriesResponse

The **GetAllEntriesResponse** element contains result data for a **GetAllEntries** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetAllEntriesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetAllEntriesResult" nillable="true"
type="msa:ArrayOfKeyValueOfstringstring" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetAllEntriesResult: An array of persisted dictionary entries.

3.4.4.12.3 Complex Types

None.

3.4.4.12.4 Simple Types

None.

3.4.4.12.5 Attributes

None.

3.4.4.12.6 Groups

None.

3.4.4.12.7 Attribute Groups

None.

3.4.4.13 GetEntries

The **GetEntries** operation retrieves entries for a persisted dictionary.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetEntries">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetEntries" message="tns:PersistedDictionaryService_GetEntries_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetEntriesResponse" message="tns:PersistedDictionaryService_GetEntries_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetEntriesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:PersistedDictionaryService_GetEntries_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_GetEntries_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_GetEntries_OutputMessage** response message.

3.4.4.13.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.13.1.1 PersistedDictionaryService_GetEntries_InputMessage

The **PersistedDictionaryService_GetEntries_InputMessage** request message initiates the retrieval of entries for a persisted dictionary.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntries
```

The SOAP body MUST contain a **GetEntries** element.

3.4.4.13.1.2 PersistedDictionaryService_GetEntries_OutputMessage

The **PersistedDictionaryService_GetEntries_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_GetEntries_InputMessage**. The **PersistedDictionaryService_GetEntries_InputMessage** initiates the operation to retrieve entries for a persisted dictionary.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntriesResponse
```

The SOAP body MUST contain a **GetEntriesResponse** element.

3.4.4.13.1.3

PersistedDictionaryService_GetEntries_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_GetEntries_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_GetEntries_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntriesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.13.2 Elements

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

3.4.4.13.2.1 GetEntries

The **GetEntries** element contains input data for a **GetEntries** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetEntries">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection"/>
      <xsd:element minOccurs="0" name="offset" type="xsd:int"/>
      <xsd:element minOccurs="0" name="count" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The name of the persisted dictionary.

direction: The direction in which to sort.

offset: The number of entries to skip after sorting the result.

count: The maximum number of entries to return.

3.4.4.13.2.2 GetEntriesResponse

The **GetEntriesResponse** element contains result data for a **GetEntries** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetEntriesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetEntriesResult" nillable="true"
type="msa:ArrayOfKeyValueOfstringstring"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetEntriesResult: An array of entries.

3.4.4.13.3 Complex Types

None.

3.4.4.13.4 Simple Types

None.

3.4.4.13.5 Attributes

None.

3.4.4.13.6 Groups

None.

3.4.4.13.7 Attribute Groups

None.

3.4.4.14 GetEntriesAndSetClean

The **GetEntriesAndSetClean** operation retrieves all entries for a persisted dictionary and sets the "dirty" value to **false**.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetEntriesAndSetClean">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntriesAndSetClean"
    message="tns:PersistedDictionaryService_GetEntriesAndSetClean_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntriesAndSetCleanResponse"
    message="tns:PersistedDictionaryService_GetEntriesAndSetClean_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntriesAndSetCleanAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_GetEntriesAndSetClean_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a

PersistedDictionaryService_GetEntriesAndSetClean_InputMessage request message. When the operation finishes successfully, the protocol server MUST respond with a **PersistedDictionaryService_GetEntriesAndSetClean_OutputMessage** response message.

The protocol server MUST set the "dirty" value of the persisted dictionary to **false**.

3.4.4.14.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.14.1.1 PersistedDictionaryService_GetEntriesAndSetClean_InputMessage

The **PersistedDictionaryService_GetEntriesAndSetClean_InputMessage** request message initiates the operation to retrieve entries from, and to reset the "dirty" value for, a **persisted dictionary**.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntriesAndSetClean
```

The SOAP body MUST contain a **GetEntriesAndSetClean** element.

3.4.4.14.1.2 PersistedDictionaryService_GetEntriesAndSetClean_OutputMessage

The **PersistedDictionaryService_GetEntriesAndSetClean_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_GetEntriesAndSetClean_InputMessage** message. The **PersistedDictionaryService_GetEntriesAndSetClean_InputMessage** request message initiates the operation to retrieve all entries for a persisted dictionary and to set the "dirty" value to **false**.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntriesAndSetCleanResponse
```

The SOAP body MUST contain an **GetEntriesAndSetCleanResponse** element.

3.4.4.14.1.3 PersistedDictionaryService_GetEntriesAndSetClean_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_GetEntriesAndSetClean_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_GetEntriesAndSetClean_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntriesAndSetCleanAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.14.2 Elements

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

3.4.4.14.2.1 GetEntriesAndSetClean

The **GetEntriesAndSetClean** element contains input data for a **GetEntriesAndSetClean** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetEntriesAndSetClean">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: Name of a persisted dictionary.

3.4.4.14.2.2 GetEntriesAndSetCleanResponse

The **GetEntriesAndSetCleanResponse** element contains result data for a **GetEntriesAndSetClean** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetEntriesAndSetCleanResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetEntriesAndSetCleanResult" nillable="true"
type="sco:ReadOnlyCollectionOfKeyValuePairOfstringstringR8RmUPp7"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetEntriesAndSetCleanResult: A collection of entries.

3.4.4.14.3 Complex Types

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

3.4.4.14.3.1 ReadOnlyCollectionOfKeyValuePairOfstringstringR8RmUPp7

The following example shows the **ReadOnlyCollectionOfKeyValuePairOfstringstringR8RmUPp7** complex type.

```
<xsd:complexType name="ReadOnlyCollectionOfKeyValuePairOfstringstringR8RmUPp7">
  <xsd:sequence>
    <xsd:element name="list" nillable="true" type="scg:ArrayOfKeyValuePairOfstringstring" />
  </xsd:sequence>
</xsd:complexType>
```

list: An array of key/value pairs that represent the entries in the persisted dictionary.

3.4.4.14.4 Simple Types

None.

3.4.4.14.5 Attributes

None.

3.4.4.14.6 Groups

None.

3.4.4.14.7 Attribute Groups

None.

3.4.4.15 GetEntryKeys

The **GetEntryKeys** operation retrieves all entry keys for a persisted dictionary.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetEntryKeys">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryKeys" message="tns:PersistedDictionaryService_GetEntryKeys_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryKeysResponse"
    message="tns:PersistedDictionaryService_GetEntryKeys_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryKeysAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_GetEntryKeys_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_GetEntryKeys_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_GetEntryKeys_OutputMessage** response message.

3.4.4.15.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.15.1.1 PersistedDictionaryService_GetEntryKeys_InputMessage

The **PersistedDictionaryService_GetEntryKeys_InputMessage** request message initiates the operation to retrieve the persisted dictionary entry keys.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryKeys
```

The SOAP body MUST contain a **GetEntryKeys** element.

3.4.4.15.1.2 PersistedDictionaryService_GetEntryKeys_OutputMessage

The **PersistedDictionaryService_GetEntryKeys_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionary_GetEntryKeys_InputMessage**. The **PersistedDictionaryService_GetEntryKeys_InputMessage** request message initiates the operation to retrieve persisted dictionary entry keys.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryKeysResponse
```

The SOAP body MUST contain a **GetEntryKeysResponse** element.

3.4.4.15.1.3

PersistedDictionaryService_GetEntryKeys_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_GetEntryKeys_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_GetEntryKeys_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryKeys_AdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.15.2 Elements

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

3.4.4.15.2.1 GetEntryKeys

The **GetEntryKeys** element contains input data for a **GetEntryKeys** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetEntryKeys">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: Name of a persisted dictionary.

3.4.4.15.2.2 GetEntryKeysResponse

The **GetEntryKeysResponse** element contains result data for a **GetEntryKeys** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetEntryKeysResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetEntryKeysResult" nillable="true"
type="msa:ArrayOfstring"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetEntryKeysResult: An array of entry keys.

3.4.4.15.3 Complex Types

None.

3.4.4.15.4 Simple Types

None.

3.4.4.15.5 Attributes

None.

3.4.4.15.6 Groups

None.

3.4.4.15.7 Attribute Groups

None.

3.4.4.16 GetEntryValue

The **GetEntryValue** operation retrieves a persisted dictionary entry value.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetEntryValue">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValue" message="tns:PersistedDictionaryService_GetEntryValue_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValueResponse"
    message="tns:PersistedDictionaryService_GetEntryValue_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValueAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_GetEntryValue_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_GetEntryValue_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_GetEntryValue_OutputMessage** response message.

3.4.4.16.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.16.1.1 PersistedDictionaryService_GetEntryValue_InputMessage

The **PersistedDictionaryService_GetEntryValue_InputMessage** request message initiates the operation to retrieve a persisted dictionary entry value.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValue
```

The SOAP body MUST contain a **GetEntryValue** element.

3.4.4.16.1.2 PersistedDictionaryService_GetEntryValue_OutputMessage

The **PersistedDictionaryService_GetEntryValue_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_GetEntryValue_InputMessage**. The **PersistedDictionaryService_GetEntryValue_InputMessage** initiates the operation to retrieve a persisted dictionary entry value.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValueResponse
```

The SOAP body MUST contain a **GetEntryValueResponse** element.

3.4.4.16.1.3 PersistedDictionaryService_GetEntryValue_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_GetEntryValue_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_GetEntryValue_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValueAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.16.2 Elements

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

3.4.4.16.2.1 GetEntryValue

The **GetEntryValue** element contains input data for a **GetEntryValue** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetEntryValue">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="key" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
```

```
</xsd:element>
```

name: Name of a persisted dictionary.

key: The entry key to look up.

3.4.4.16.2.2 GetEntryValueResponse

The **GetEntryValueResponse** element contains result data for a **GetEntryValueResponse** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetEntryValueResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetEntryValueResult" nillable="true"
type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetEntryValueResult: The persisted dictionary entry value.

3.4.4.16.3 Complex Types

None.

3.4.4.16.4 Simple Types

None.

3.4.4.16.5 Attributes

None.

3.4.4.16.6 Groups

None.

3.4.4.16.7 Attribute Groups

None.

3.4.4.17 GetEntryValues

The **GetEntryValues** operation retrieves all entry values for a persisted dictionary.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetEntryValues">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvices/GetEntryValues" message="tns:PersistedDictionaryService_GetEntryValues_InputMessage"/>
```

```

    <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValuesResponse"
message="tns:PersistedDictionaryService_GetEntryValues_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValuesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:PersistedDictionaryService_GetEntryValues_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **PersistedDictionaryService_GetEntryValues_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_GetEntryValues_OutputMessage** response message.

3.4.4.17.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.17.1.1 PersistedDictionaryService_GetEntryValues_InputMessage

The **PersistedDictionaryService_GetEntryValues_InputMessage** request message initiates the retrieval of all entry values for a persisted dictionary.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValues

```

The SOAP body MUST contain a **GetEntryValues** element.

3.4.4.17.1.2 PersistedDictionaryService_GetEntryValues_OutputMessage

The **PersistedDictionaryService_GetEntryValues_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_GetEntryValues_InputMessage** message. The **PersistedDictionaryService_GetEntryValues_InputMessage** message initiates the operation to retrieve all entry values for a **persisted dictionary**.

The SOAP action value of the response message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValuesResponse

```

The SOAP body MUST contain a **GetEntryValuesResponse** element.

3.4.4.17.1.3

PersistedDictionaryService_GetEntryValues_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_GetEntryValues_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_GetEntryValues_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValuesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.17.2 Elements

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

3.4.4.17.2.1 GetEntryValues

The **GetEntryValues** element contains input data for a **GetEntryValues** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetEntryValues">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: Name of a persisted dictionary.

3.4.4.17.2.2 GetEntryValuesResponse

The **GetEntryValuesResponse** element contains result data for a **GetEntryValues** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetEntryValuesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetEntryValuesResult" nillable="true"
        type="msa:ArrayOfstring"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetEntryValuesResult: An array of entry values.

3.4.4.17.3 Complex Types

None.

3.4.4.17.4 Simple Types

None.

3.4.4.17.5 Attributes

None.

3.4.4.17.6 Groups

None.

3.4.4.17.7 Attribute Groups

None.

3.4.4.18 IsDirty

The **IsDirty** operation checks whether the "dirty" value is set on a persisted dictionary.

The following example specifies the structure of this operation.

```
<wsdl:operation name="IsDirty">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/IsDirty" message="tns:PersistedDictionaryService_IsDirty_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/IsDirtyResponse" message="tns:PersistedDictionaryService_IsDirty_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/IsDirtyAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_IsDirty_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_IsDirty_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_IsDirty_OutputMessage** response message.

3.4.4.18.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.18.1.1 PersistedDictionaryService_IsDirty_InputMessage

The **PersistedDictionaryService_IsDirty_InputMessage** request message initiates the operation to retrieve the "dirty" value for a persisted dictionary.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/IsDirty
```

The SOAP body MUST contain an **IsDirty** element.

3.4.4.18.1.2 PersistedDictionaryService_IsDirty_OutputMessage

The **PersistedDictionaryService_IsDirty_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_IsDirty_InputMessage**

message. The **PersistedDictionaryService_IsDirty_InputMessage** message initiates the operation to retrieve the "dirty" value for a persisted dictionary.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/IsDirty
Response
```

The SOAP body MUST contain an **IsDirtyResponse** element.

3.4.4.18.1.3

PersistedDictionaryService_IsDirty_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_IsDirty_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_IsDirty_InputMessage** message. The **PersistedDictionaryService_IsDirty_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/IsDirty
AdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.18.2 Elements

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

3.4.4.18.2.1 IsDirty

The **IsDirty** element contains input data for an **IsDirty** operation.

The following example specifies the structure of this element.

```
<xsd:element name="IsDirty">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: Name of a persisted dictionary.

3.4.4.18.2.2 IsDirtyResponse

The **IsDirtyResponse** element contains result data for an **IsDirty** operation.

The following example specifies the structure of this element.

```
<xsd:element name="IsDirtyResponse">
```

```

<xsd:complexType>
  <xsd:sequence>
    <xsd:element minOccurs="0" name="IsDirtyResult" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
</xsd:element>

```

IsDirtyResult: The value is **true** if the "dirty" value for the persisted dictionary is set; otherwise, the value is **false**.

3.4.4.18.3 Complex Types

None.

3.4.4.18.4 Simple Types

None.

3.4.4.18.5 Attributes

None.

3.4.4.18.6 Groups

None.

3.4.4.18.7 Attribute Groups

None.

3.4.4.19 Remove

The **Remove** operation permanently deletes a persisted dictionary.

The following example specifies the structure of this operation.

```

<wsdl:operation name="Remove">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Remove" message="tns:PersistedDictionaryService_Remove_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveResponse" message="tns:PersistedDictionaryService_Remove_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_Remove_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **PersistedDictionaryService_Remove_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_Remove_OutputMessage** response message.

3.4.4.19.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.19.1.1 PersistedDictionaryService_Remove_InputMessage

The **PersistedDictionaryService_Remove_InputMessage** request message initiates the removal of a persisted dictionary.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Remove
```

The SOAP body MUST contain a **Remove** element.

3.4.4.19.1.2 PersistedDictionaryService_Remove_OutputMessage

The **PersistedDictionaryService_Remove_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_Remove_InputMessage** message. The **PersistedDictionaryService_Remove_InputMessage** initiates the operation to delete a persisted dictionary.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveResponse
```

The SOAP body MUST contain a **RemoveResponse** element.

3.4.4.19.1.3

PersistedDictionaryService_Remove_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_Remove_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_Remove_InputMessage** message. The **PersistedDictionaryService_Remove_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.19.2 Elements

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

3.4.4.19.2.1 Remove

The **Remove** element contains input data for a **Remove** operation.

The following example specifies the structure of this element.

```
<xsd:element name="Remove">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: Name of a persisted dictionary.

3.4.4.19.2.2 RemoveResponse

The **RemoveResponse** element contains result data for a **Remove** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RemoveResult" type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RemoveResult: The value is **true** if the persisted dictionary could be deleted; otherwise, the value is **false**.

3.4.4.19.3 Complex Types

None.

3.4.4.19.4 Simple Types

None.

3.4.4.19.5 Attributes

None.

3.4.4.19.6 Groups

None.

3.4.4.19.7 Attribute Groups

None.

3.4.4.20 RemoveAll

The **RemoveAll** operation permanently deletes all persisted dictionaries.

The following example specifies the structure of this operation.

```

<wsdl:operation name="RemoveAll">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveAll" message="tns:PersistedDictionaryService_RemoveAll_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveAllResponse" message="tns:PersistedDictionaryService_RemoveAll_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveAllAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_RemoveAll_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **PersistedDictionaryService_RemoveAll_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_RemoveAll_OutputMessage** response message.

3.4.4.20.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.20.1.1 PersistedDictionaryService_RemoveAll_InputMessage

The **PersistedDictionaryService_RemoveAll_InputMessage** request message initiates the removal of all persisted dictionaries.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveAll

```

The SOAP body MUST contain a **RemoveAll** element.

3.4.4.20.1.2 PersistedDictionaryService_RemoveAll_OutputMessage

The **PersistedDictionaryService_RemoveAll_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_RemoveAll_InputMessage** message. The **PersistedDictionaryService_RemoveAll_InputMessage** request initiates the operation to delete all persisted dictionaries.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveAllResponse

```

The SOAP body MUST contain a **RemoveAllResponse** element.

3.4.4.20.1.3

PersistedDictionaryService_RemoveAll_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_RemoveAll_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_RemoveAll_InputMessage**. The

PersistedDictionaryService_RemoveAll_AdminExceptionWCFFault_FaultMessage message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveAllAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.20.2 Elements

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

3.4.4.20.2.1 RemoveAll

The **RemoveAll** element contains input data for a **RemoveAll** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveAll">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.4.4.20.2.2 RemoveAllResponse

The **RemoveAllResponse** element contains result data for a **RemoveAll** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveAllResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.4.4.20.3 Complex Types

None.

3.4.4.20.4 Simple Types

None.

3.4.4.20.5 Attributes

None.

3.4.4.20.6 Groups

None.

3.4.4.20.7 Attribute Groups

None.

3.4.4.21 RemoveEntry

The **RemoveEntry** operation permanently deletes a persisted dictionary entry.

The following example specifies the structure of this operation.

```
<wsdl:operation name="RemoveEntry">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveEntry" message="tns:PersistedDictionaryService_RemoveEntry_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveEntryResponse"
    message="tns:PersistedDictionaryService_RemoveEntry_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveEntryAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_RemoveEntry_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_RemoveEntry_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **PersistedDictionaryService_RemoveEntry_OutputMessage** response message.

The protocol server MUST set the "dirty" value of the persisted dictionary to "true".

3.4.4.21.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.21.1.1 PersistedDictionaryService_RemoveEntry_InputMessage

The **PersistedDictionaryService_RemoveEntry_InputMessage** request message initiates the removal of a persisted dictionary entry.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService_RemoveEntry
```

The SOAP body MUST contain a **RemoveEntry** element.

3.4.4.21.1.2 PersistedDictionaryService_RemoveEntry_OutputMessage

The **PersistedDictionaryService_RemoveEntry_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_RemoveEntry_InputMessage** message. The

PersistedDictionaryService_RemoveEntry_InputMessage message initiates the operation to delete a persisted dictionary entry.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveEntryResponse
```

The SOAP body MUST contain a **RemoveEntryResponse** element.

3.4.4.21.1.3

PersistedDictionaryService_RemoveEntry_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_RemoveEntry_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionary_RemoveEntry_InputMessage** message. The **PersistedDictionaryService_RemoveEntry_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveEntryAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.21.2 Elements

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

3.4.4.21.2.1 RemoveEntry

The **RemoveEntry** element contains input data for a **RemoveEntry** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveEntry">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="entry" type="scg:KeyValuePairOfStringstring"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: Name of a persisted dictionary.

entry: The entry to delete.

3.4.4.21.2.2 RemoveEntryResponse

The **RemoveEntryResponse** element contains result data for a **RemoveEntry** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveEntryResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RemoveEntryResult" type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RemoveEntryResult: The value is **true** if the entry was deleted; otherwise, the value is **false**.

3.4.4.21.3 Complex Types

None.

3.4.4.21.4 Simple Types

None.

3.4.4.21.5 Attributes

None.

3.4.4.21.6 Groups

None.

3.4.4.21.7 Attribute Groups

None.

3.4.4.22 SetDirty

The **SetDirty** operation sets the "dirty" value on a persisted dictionary.

The following example specifies the structure of this operation.

```
<wsdl:operation name="SetDirty">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/SetDirty" message="tns:PersistedDictionaryService_SetDirty_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/SetDirtyResponse" message="tns:PersistedDictionaryService_SetDirty_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/SetDirtyAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_SetDirty_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **PersistedDictionaryService_SetDirty_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_SetDirty_OutputMessage** response message.

3.4.4.22.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.22.1.1 PersistedDictionaryService_SetDirty_InputMessage

The **PersistedDictionaryService_SetDirty_InputMessage** request message initiates the setting of the "dirty" value for a persisted dictionary.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/SetDirty
```

The SOAP body MUST contain a **SetDirty** element.

3.4.4.22.1.2 PersistedDictionaryService_SetDirty_OutputMessage

The **PersistedDictionaryService_SetDirty_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_SetDirty_InputMessage** message. The **PersistedDictionaryService_SetDirty_OutputMessage** message initiates the operation to set the "dirty" value for a persisted dictionary.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/SetDirtyResponse
```

The SOAP body MUST contain a **SetDirtyResponse** element.

3.4.4.22.1.3

PersistedDictionaryService_SetDirty_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_SetDirty_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionary_SetDirty_InputMessage** message. The **PersistedDictionaryService_SetDirty_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/SetDirtyAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.22.2 Elements

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

3.4.4.22.2.1 SetDirty

The **SetDirty** element contains input data for a **SetDirty** operation.

The following example specifies the structure of this element.

```
<xsd:element name="SetDirty">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: Name of a persisted dictionary.

3.4.4.22.2.2 SetDirtyResponse

The **SetDirtyResponse** element contains result data for a **SetDirty** operation.

The following example specifies the structure of this element.

```
<xsd:element name="SetDirtyResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.4.4.22.3 Complex Types

None.

3.4.4.22.4 Simple Types

None.

3.4.4.22.5 Attributes

None.

3.4.4.22.6 Groups

None.

3.4.4.22.7 Attribute Groups

None.

3.4.4.23 SetEntryValue

The **SetEntryValue** operation sets a persisted dictionary entry value.

The following example specifies the structure of this operation.

```
<wsdl:operation name="SetEntryValue">
```

```

    <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/SetEntryValue" message="tns:PersistedDictionaryService_SetEntryValue_InputMessage"/>
    <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/SetEntryValueResponse"
message="tns:PersistedDictionaryService_SetEntryValue_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/SetEntryValueAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:PersistedDictionaryService_SetEntryValue_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **PersistedDictionaryService_SetEntryValue_InputMessage** request message. On successful completion, the protocol server MUST respond with a **PersistedDictionaryService_SetEntryValue_OutputMessage** response message.

The protocol server MUST set the "dirty" value of the persisted dictionary to **true**.

3.4.4.23.1 Messages

The following WSDL message definitions are specific to this operation.

3.4.4.23.1.1 PersistedDictionaryService_SetEntryValue_InputMessage

The **PersistedDictionaryService_SetEntryValue_InputMessage** request message initiates the setting of a persisted dictionary entry value.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/SetEntr
yValue

```

The SOAP body MUST contain a **SetEntryValue** element.

3.4.4.23.1.2 PersistedDictionaryService_SetEntryValue_OutputMessage

The **PersistedDictionaryService_SetEntryValue_OutputMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_SetEntryValue_InputMessage** member. The **PersistedDictionaryService_SetEntryValue_InputMessage** message initiates the operation to set a persisted dictionary entry value.

The SOAP action value of the response message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/SetEntr
yValueResponse

```

The SOAP body MUST contain a **SetEntryValueResponse** element.

3.4.4.23.1.3

PersistedDictionaryService_SetEntryValue_AdminExceptionWCFFault_FaultMessage

The **PersistedDictionaryService_SetEntryValue_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **PersistedDictionaryService_SetEntryValue_InputMessage** message. The **PersistedDictionaryService_SetEntryValue_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/SetEntryValueAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.4.4.23.2 Elements

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

3.4.4.23.2.1 SetEntryValue

The **SetEntryValue** element contains input data for a **SetEntryValue** operation.

The following example specifies the structure of this element.

```
<xsd:element name="SetEntryValue">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="key" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="value" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: Name of a persisted dictionary.

key: The entry key.

value: The entry value.

3.4.4.23.2.2 SetEntryValueResponse

The **SetEntryValueResponse** element contains result data for a **SetEntryValue** operation.

The following example specifies the structure of this element.

```
<xsd:element name="SetEntryValueResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.4.4.23.3 Complex Types

None.

3.4.4.23.4 Simple Types

None.

3.4.4.23.5 Attributes

None.

3.4.4.23.6 Groups

None.

3.4.4.23.7 Attribute Groups

None.

3.4.5 Timer Events

None.

3.4.6 Other Local Events

None.

3.5 LinguisticManagerService Server Details

This service provides an operation for retrieval of a **LinguisticType**

3.5.1 Abstract Data Model

This section describes a conceptual model of a possible organization of data 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.

The LinguisticManagerService maintains a list of the following:

- **Spell-check identifier:** An identifier of an existing spell-checker. The identifier consists of a name and a language. For each spell-check identifier the LinguisticManagerService also keeps the unique name of the spell-checker exclusion list.
- **Property extractor identifiers:** An identifier of an existing property extractor. The identifier consists of a name and language. For each property extractor identifier the LinguisticManagerService also keeps the unique name of the property extraction exclusion list and property extraction inclusion list.
- **LinguisticType:** A value that is associated with spell-check identifiers and property extractor identifiers and that determines if the identifier is a spell-check identifier or a property extraction

identifier. Spell-check identifiers MUST have the **LinguisticType** value "SPELLCHECKING"; property extractor identifiers MUST have the value "ENTITYEXTRACTION".

The protocol server does not provide operations to modify the lists of spell-check identifiers and property extractor identifiers or the elements of these lists. These lists and their elements are determined by the spell-checkers and property extractors that exist in the search system.

3.5.2 Timers

None.

3.5.3 Initialization

None.

3.5.4 Message Processing Events and Sequencing Rules

The following table specifies message processing events and sequencing rules.

| Operation | Description |
|----------------|---|
| GetType | Retrieves a LinguisticType value of a spell-check identifier or property extractor identifier. |

3.5.4.1 GetType

The **GetType** operation retrieves the value of type **LinguisticType** belonging to a spell-check identifier or property extractor identifier.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetType">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticManagerService/GetType" message="tns:LinguisticManagerService_GetType_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticManagerService/GetTypeResponse" message="tns:LinguisticManagerService_GetType_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticManagerService/GetTypeAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:LinguisticManagerService_GetType_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **LinguisticManagerService_GetType_InputMessage** request message. On successful completion, the protocol server MUST respond with a **LinguisticManagerService_GetType_OutputMessage** response message.

3.5.4.1.1 Messages

The following WSDL message definitions are specific to this operation.

3.5.4.1.1.1 LinguisticManagerService_GetType_InputMessage

The **LinguisticManagerService_GetType_InputMessage** request message initiates the retrieval of a **LinguisticType**.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticManagerService/GetType
```

The SOAP body MUST contain a **GetType** element.

3.5.4.1.1.2 LinguisticManagerService_GetType_OutputMessage

The **LinguisticManagerService_GetType_OutputMessage** response message is sent in reply to the request that is initiated by the **LinguisticManagerService_GetType_InputMessage** message. The **LinguisticManagerService_GetType_InputMessage** message initiates the operation to retrieve a **LinguisticType** type value.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticManagerService/GetTypeResponse
```

The SOAP body MUST contain a **GetTypeResponse** element.

3.5.4.1.1.3

LinguisticManagerService_GetType_AdminExceptionWCFFault_FaultMessage

The **LinguisticManagerService_GetType_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **LinguisticManagerService_GetType_InputMessage** message. The **LinguisticManagerService_GetType_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticManagerService/GetTypeAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.5.4.1.2 Elements

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

3.5.4.1.2.1 GetType

The **GetType** element contains input data for a **GetType** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetType">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="fullName" nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
```

```
</xsd:element>
```

fullName: The name of a spell-check identifier or property extractor identifier.

3.5.4.1.2.2 GetTypeResponse

The **GetTypeResponse** element contains result data for a **GetType** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetTypeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetTypeResult" type="tns:LinguisticType" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetTypeResult: The **LinguisticType** value of the given spell-check identifier or property extractor identifier. If the **fullName** is not recognized as a spell-check identifier or property extractor identifier, the protocol server MUST return the **LinguisticType** UNKNOWN.

3.5.4.1.3 Complex Types

None.

3.5.4.1.4 Simple Types

None.

3.5.4.1.5 Attributes

None.

3.5.4.1.6 Groups

None.

3.5.4.1.7 Attribute Groups

None.

3.5.5 Timer Events

None.

3.5.6 Other Local Events

None.

3.6 CompiledDictionaryService Server Details

This service provides an operation for creating a compiled dictionary.

3.6.1 Abstract Data Model

This section describes a conceptual model of a possible organization of data 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.

The **CompiledDictionaryService** is responsible for creating an XML dictionary file representation of a set of string key/value pairs. The XML dictionary file representation is specified in [\[MS-FSLRDS\]](#) section 2.2. In addition, the **CompiledDictionaryService** MUST upload the XML dictionary file to a predefined location by using Resource Storage Protocol, as specified in [\[MS-FSRS\]](#). The XML dictionary file MUST be uploaded to a predefined location in order for other search components, which use the XML dictionary file, to download them.

The **CompiledDictionaryService** is stateless.

3.6.2 Timers

None.

3.6.3 Initialization

None.

3.6.4 Message Processing Events and Sequencing Rules

The following table specifies message processing events and sequencing rules.

| Operation | Description |
|---------------------------------|--|
| CreateCompiledDictionary | Creates an XML dictionary file representation of a set of string key/value pairs, and uploads the XML dictionary file representation to a predefined location. |

3.6.4.1 CreateCompiledDictionary

The following example shows the **CreateCompiledDictionary** operation.

```
<wsdl:operation name="CreateCompiledDictionary">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/CompiledDictionaryService/CreateCompiledDictionary"
message="tns:CompiledDictionaryService_CreateCompiledDictionary_InputMessage" />
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/CompiledDictionaryService/CreateCompiledDictionaryResponse"
message="tns:CompiledDictionaryService_CreateCompiledDictionary_OutputMessage" />
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/CompiledDictionaryService/CreateCompiledDictionaryAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:CompiledDictionaryService_CreateCompiledDictionary_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a

CompiledDictionaryService_CreateCompiledDictionary_InputMessage request message. On successful completion, the protocol server MUST respond with a **CompiledDictionaryService_CreateCompiledDictionary_OutputMessage** response message.

The protocol server MUST use the upload operation, as specified in [\[MS-FSRS\]](#), to upload the XML dictionary file to the protocol server, as specified in [\[MS-FSRS\]](#).

3.6.4.1.1 Messages

The following WSDL message definitions are specific to this operation.

3.6.4.1.1.1 CompiledDictionaryService_CreateCompiledDictionary_InputMessage

The **CompiledDictionaryService_CreateCompiledDictionary_InputMessage** request message initiates the creation of an XML dictionary file representation of an array of key/value pairs of string.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/CompiledDictionaryService/CreateCompiledDictionary
```

The SOAP body MUST contain a **CreateCompiledDictionary** element.

3.6.4.1.1.2

CompiledDictionaryService_CreateCompiledDictionary_OutputMessage

The **CompiledDictionaryService_CreateCompiledDictionary_OutputMessage** response message is sent in reply to the request that is initiated by the **CompiledDictionaryService_CreateCompiledDictionary_InputMessage** message. The **CompiledDictionaryService_CreateCompiledDictionary_InputMessage** message initiates the operation to create a XML dictionary file representation of an array of key/value pairs of string.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/CompiledDictionaryService/CreateCompiledDictionaryResponse
```

The SOAP body MUST contain a **CreateCompiledDictionaryResponse** element.

3.6.4.1.1.3

CompiledDictionaryService_CreateCompiledDictionary_AdminExceptionWCFFault_FaultMessage

The **CompiledDictionaryService_CreateCompiledDictionary_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **CompiledDictionaryService_CreateCompiledDictionary_InputMessage** message. The **CompiledDictionaryService_CreateCompiledDictionary_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the response message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/CompiledDictionaryService/CreateCompiledDictionaryAdminExceptionWCFFault

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.6.4.1.2 Elements

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

3.6.4.1.2.1 CreateCompiledDictionary

The **CreateCompiledDictionary** element contains input data for a **CreateCompiledDictionary** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CreateCompiledDictionary">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="input" nillable="true"
type="scg:ArrayOfKeyValuePairOfStringstring" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: Name that is used for the XML dictionary file representation. The protocol server MUST append the "xml" extension to the file name when uploading the file to the resource storage.

input: The string key-value pairs that are used to create the XML dictionary file representation.

3.6.4.1.2.2 CreateCompiledDictionaryResponse

The **CreateCompiledDictionaryResponse** element contains result data for a **CreateCompiledDictionary** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CreateCompiledDictionaryResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateCompiledDictionaryResult" nillable="true"
type="xsd:anyURI" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CreateCompiledDictionaryResult: The URI of the XML dictionary file representation of the input.

3.6.4.1.3 Complex Types

None.

3.6.4.1.4 Simple Types

None.

3.6.4.1.5 Attributes

None.

3.6.4.1.6 Groups

None.

3.6.4.1.7 Attribute Groups

None.

3.6.5 Timer Events

None.

3.6.6 Other Local Events

None.

3.7 ContentCollectionService Server Details

3.7.1 Abstract Data Model

This section describes a conceptual model of a possible organization of data 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.

The **ContentCollectionService** protocol server is responsible for managing content collections in a search system. The protocol server is to maintain a minimum of state and only propagate configuration information to other search components.

The protocol server **MUST** use several other protocols to propagate content collection information in the system. More specifically, the protocol server **MUST** use the following protocols to perform this task:

- Configuration Protocol, as specified in [\[MS-FSCMW\]](#).
- Indexer Administration and Status Protocol, as specified in [\[MS-FSIADM\]](#).
- Content Feeding Protocol, as specified in [\[MS-FSCF\]](#).

All these protocols are based on the Middleware Protocol, as specified in [\[MS-FSMW\]](#).

The **ContentCollectionService** is stateless.

3.7.2 Timers

None.

3.7.3 Initialization

None.

3.7.4 Message Processing Events and Sequencing Rules

The following table specifies message processing events and sequencing rules.

| Operation | Description |
|--------------------------|--|
| AddCollection | Adds a content collection. |
| GetCollection | Retrieves information about a content collection. |
| GetAllCollections | Retrieves information about all content collections. |
| ModifyCollection | Modifies a content collection. |
| GetAllPipelines | Retrieves implementation-specific constants. |
| DeleteCollection | Deletes a content collection. |
| ClearCollection | Deletes all items in a content collection. |

3.7.4.1 AddCollection

The **AddCollection** operation creates a new content collection.

The following example specifies the structure of this operation.

```
<wsdl:operation name="AddCollection">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/AddCollection" message="tns:ContentCollectionService_AddCollection_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/AddCollectionResponse" message="tns:ContentCollectionService_AddCollection_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/AddCollectionAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:ContentCollectionService_AddCollection_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **ContentCollectionService_AddCollection_InputMessage** request message. On successful completion, the protocol server MUST respond with a **ContentCollectionService_AddCollection_OutputMessage** response message.

3.7.4.1.1 Messages

The following WSDL message definitions are specific to this operation.

3.7.4.1.1.1 ContentCollectionService_AddCollection_InputMessage

The **ContentCollectionService_AddCollection_InputMessage** request message initiates the addition of a content collection.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/AddCollection
```

The SOAP body MUST contain an **AddCollection** element.

3.7.4.1.1.2 ContentCollectionService_AddCollection_OutputMessage

The **ContentCollectionService_AddCollection_OutputMessage** response message is sent in reply to the request that is initiated by the **ContentCollectionService_AddCollection_InputMessage** message. The **ContentCollectionService_AddCollection_InputMessage** message initiates the operation to add a content collection.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/AddCollectionResponse
```

The SOAP body MUST contain an **AddCollectionResponse** element.

3.7.4.1.1.3

ContentCollectionService_AddCollection_AdminExceptionWCFFault_FaultMessage

The **ContentCollectionService_AddCollection_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **ContentCollectionService_AddCollection_InputMessage** message. The **ContentCollectionService_AddCollection_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/AddCollectionAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.7.4.1.2 Elements

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

3.7.4.1.2.1 AddCollection

The **AddCollection** element contains input data for an **AddCollection** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AddCollection">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="collection" nillable="true"
type="tns:ContentCollectionDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```



```

    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

collection: The content collection to add. This element **MUST** be present and it **MUST NOT** be **null**. The **Name** element of the content collection **MUST** be set to a name that does not already exist as a content collection name. If the **Pipeline** element of the content collection is included, it **MUST** have the value "Office14 (webcluster)".

3.7.4.1.2.2 AddCollectionResponse

The **AddCollectionResponse** element contains result data for an **AddCollection** operation.

The following example specifies the structure of this element.

```

<xsd:element name="AddCollectionResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="AddCollectionResult" nillable="true"
type="tns:ContentCollectionDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

AddCollectionResult: The content collection that was added. The following elements of the content collection **MUST** be set by the protocol server:

- **Pipeline:** **MUST** be set to "Office14 (webcluster)".
- **NumDocs:** **MUST** be set to 0.
- **Create** and **Cleared** **MUST** be set to the date and time at which the content collection was created, in UTC.

3.7.4.1.3 Complex Types

None.

3.7.4.1.4 Simple Types

None.

3.7.4.1.5 Attributes

None.

3.7.4.1.6 Groups

None.

3.7.4.1.7 Attribute Groups

None.

3.7.4.2 GetCollection

The **GetCollection** operation retrieves a content collection.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetCollection">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetCollection" message="tns:ContentCollectionService_GetCollection_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetCollectionResponse" message="tns:ContentCollectionService_GetCollection_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetCollectionAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:ContentCollectionService_GetCollection_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **ContentCollectionService_GetCollection_InputMessage** request message. On successful completion, the protocol server MUST respond with a **ContentCollectionService_GetCollection_OutputMessage** response message.

3.7.4.2.1 Messages

The following WSDL message definitions are specific to this operation.

3.7.4.2.1.1 ContentCollectionService_GetCollection_InputMessage

The **ContentCollectionService_GetCollection_InputMessage** request message initiates the retrieval of a content collection.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetCollection
```

The SOAP body MUST contain a **GetCollection** element.

3.7.4.2.1.2 ContentCollectionService_GetCollection_OutputMessage

The **ContentCollectionService_GetCollection_OutputMessage** response message is sent in reply to the request that is initiated by the **ContentCollectionService_GetCollection_InputMessage** message. The **ContentCollectionService_GetCollection_InputMessage** message initiates the operation to retrieve a content collection

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetCollectionResponse
```

The SOAP body MUST contain a **GetCollectionResponse** element.

3.7.4.2.1.3

ContentCollectionService_GetCollection_AdminExceptionWCFFault_FaultMessage

The **ContentCollectionService_GetCollection_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **ContentCollectionService_GetCollection_InputMessage** message. The **ContentCollectionService_GetCollection_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetCollectionAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.7.4.2.2 Elements

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

3.7.4.2.2.1 GetCollection

The **GetCollection** element contains input data for a **GetCollection** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetCollection">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: Name of a content collection. This element MUST be present, it MUST NOT be **null**, and it MUST be the name of an existing content collection.

3.7.4.2.2.2 GetCollectionResponse

The **GetCollectionResponse** element contains result data for a **GetCollection** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetCollectionResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetCollectionResult" nillable="true"
type="tns:ContentCollectionDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetCollectionResult: A content collection. The protocol server MUST include the following elements in the content collection that is returned:

- **Cleared:** MUST be set to the date and time at which the content collection was last cleared, in UTC.
- **Created:** MUST be set to the date and time at which the content collection was created, in UTC.
- **Description:** MUST be set to the description of the content collection, or **null** if no description is set.
- **LastInput:** MUST be set to the value that was returned by the **GetLastInputTime** operation of the Indexer Administration and Status Protocol, as specified in [\[MS-FSIADM\]](#).
- **Name:** MUST equal the name that was specified by the **GetCollection** input message.
- **NumDocs:** MUST be set to the value that was returned by the **GetNumDocsInCollection** operation of the Indexer Administration and Status Protocol, as specified in [\[MS-FSIADM\]](#).
- **Pipeline:** MUST be set to "Office14 (webcluster)".

3.7.4.2.3 Complex Types

None.

3.7.4.2.4 Simple Types

None.

3.7.4.2.5 Attributes

None.

3.7.4.2.6 Groups

None.

3.7.4.2.7 Attribute Groups

None.

3.7.4.3 GetAllCollections

The **GetAllCollections** operation retrieves all content collections.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetAllCollections">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllCollections" message="tns:ContentCollectionService_GetAllCollections_InputMessage"
  />
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllCollectionsResponse"
message="tns:ContentCollectionService_GetAllCollections_OutputMessage" />
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllCollectionsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
  />
</wsdl:operation>
```

```
message="tns:ContentCollectionService_GetAllCollections_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
```

The protocol client MUST send a **ContentCollectionService_GetAllCollections_InputMessage** request message. On successful completion, the protocol server MUST respond with a **ContentCollectionService_GetAllCollections_OutputMessage** response message.

3.7.4.3.1 Messages

The following WSDL message definitions are specific to this operation.

3.7.4.3.1.1 ContentCollectionService_GetAllCollections_InputMessage

The **ContentCollectionService_GetAllCollections_InputMessage** request message initiates the retrieval of all content collections.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllCol
lections
```

The SOAP body MUST contain a **GetAllCollections** element.

3.7.4.3.1.2 ContentCollectionService_GetAllCollections_OutputMessage

The **ContentCollectionService_GetAllCollections_OutputMessage** response message that is sent in reply to the request that is initiated by the **ContentCollectionService_GetAllCollections_InputMessage** message. The **ContentCollectionService_GetAllCollections_InputMessage** message initiates the operation to retrieve all content collections.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllCol
lectionsResponse
```

The SOAP body MUST contain a **GetAllCollectionsResponse** element.

3.7.4.3.1.3

ContentCollectionService_GetAllCollections_AdminExceptionWCFFault_FaultMessage

The **ContentCollectionService_GetAllCollections_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **ContentCollectionService_GetAllCollections_InputMessage** message. The **ContentCollectionService_GetAllCollections_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllCollectionsAdminExceptionWCFFault`

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.7.4.3.2 Elements

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

3.7.4.3.2.1 GetAllCollections

The **GetAllCollections** element contains input data for a **GetAllCollections** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetAllCollections">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.7.4.3.2.2 GetAllCollectionsResponse

The **GetAllCollectionsResponse** element contains result data for a **GetAllCollections** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetAllCollectionsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetAllCollectionsResult" nillable="true"
type="tns:ArrayOfContentCollectionDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetAllCollectionsResult: An array containing all the content collections. The protocol server MUST return the same set of content collections that are returned by the **GetCollectionList** operation of the Configuration Middleware Protocol, as specified in [\[MS-FSCMW\]](#). Each content collection MUST include the information specified in section [3.7.4.2.2.2](#).

3.7.4.3.3 Complex Types

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

3.7.4.3.3.1 ArrayOfContentCollectionDTO

The **ArrayOfContentCollectionDTO** represents a collection of content collections.

The following example specifies the structure of this complex type.

```

<xsd:complexType name="ArrayOfContentCollectionDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="ContentCollectionDTO"
      nillable="true" type="tns:ContentCollectionDTO" />
  </xsd:sequence>
</xsd:complexType>

```

ContentCollectionDTO: A content collection.

3.7.4.3.4 Simple Types

None.

3.7.4.3.5 Attributes

None.

3.7.4.3.6 Groups

None.

3.7.4.3.7 Attribute Groups

None.

3.7.4.4 ModifyCollection

The **ModifyCollection** operation modifies a content collection.

The following example specifies the structure of this operation.

```

<wsdl:operation name="ModifyCollection">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ModifyCollection" message="tns:ContentCollectionService_ModifyCollection_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ModifyCollectionResponse"
    message="tns:ContentCollectionService_ModifyCollection_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ModifyCollectionAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:ContentCollectionService_ModifyCollection_AdminExceptionWCFFault_FaultMessage"
  />
</wsdl:operation>

```

The protocol client MUST send a **ContentCollectionService_ModifyCollection_InputMessage** request message. On successful completion, the protocol server MUST respond with a **ContentCollectionService_ModifyCollection_OutputMessage** response message.

3.7.4.4.1 Messages

The following WSDL message definitions are specific to this operation.

3.7.4.4.1.1 ContentCollectionService_ModifyCollection_InputMessage

The **ContentCollectionService_ModifyCollection_InputMessage** request message initiates the modification of a content collection.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ModifyCollection
```

The SOAP body MUST contain a **ModifyCollection** element.

3.7.4.4.1.2 ContentCollectionService_ModifyCollection_OutputMessage

The **ContentCollectionService_ModifyCollection_OutputMessage** response message is sent in reply to the request that is initiated by the **ContentCollectionService_ModifyCollection_InputMessage** message. The **ContentCollectionService_ModifyCollection_InputMessage** message initiates the operation to modify a content collection.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ModifyCollectionResponse
```

The SOAP body MUST contain a **ModifyCollectionResponse** element.

3.7.4.4.1.3

ContentCollectionService_ModifyCollection_AdminExceptionWCFFault_FaultMessage

The **ContentCollectionService_ModifyCollection_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **ContentCollectionService_ModifyCollection_InputMessage** message. The **ContentCollectionService_ModifyCollection_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ModifyCollectionAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.7.4.4.2 Elements

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

3.7.4.4.2.1 ModifyCollection

The **ModifyCollection** element contains input data for a **ModifyCollection** operation.

The following example specifies the structure of this element.


```

<xsd:element name="ModifyCollection">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="collection" nillable="true"
type="tns:ContentCollectionDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

collection: The content collection to modify. This element **MUST** be present and it **MUST NOT** be **null**. The following elements **MUST** be present in the content collection:

- **Name:** **MUST** contain the value of an existing content collection to update.
- **Pipeline:** **MUST** contain the value "Office 14 (webcluster)".
- **Description:** **MUST** contain a description of the content collection.
- **Cleared:** **MUST** contain a time and date, in UTC.

The protocol server **MUST** call the **UpdateCollection** operation of the Configuration Middleware Protocol, as specified in [\[MS-FSCMW\]](#), with these values for the **Name**, **Pipeline**, **Description** and **Cleared** parameters.

3.7.4.4.2.2 ModifyCollectionResponse

The **ModifyCollectionResponse** element contains result data for a **ModifyCollection** operation.

The following example specifies the structure of this element.

```

<xsd:element name="ModifyCollectionResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

```

This element is empty.

3.7.4.4.3 Complex Types

None.

3.7.4.4.4 Simple Types

None.

3.7.4.4.5 Attributes

None.

3.7.4.4.6 Groups

None.

3.7.4.4.7 Attribute Groups

None.

3.7.4.5 GetAllPipelines

The **GetAllPipelines** operation retrieves an array that contains two string constants. This operation is implementation specific.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetAllPipelines">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllPipelines" message="tns:ContentCollectionService_GetAllPipelines_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllPipelinesResponse"
    message="tns:ContentCollectionService_GetAllPipelines_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllPipelinesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:ContentCollectionService_GetAllPipelines_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **ContentCollectionService_GetAllPipelines_InputMessage** request message. On successful completion, the protocol server MUST respond with a **ContentCollectionService_GetAllPipelines_OutputMessage** response message.

3.7.4.5.1 Messages

The following WSDL message definitions are specific to this operation.

3.7.4.5.1.1 ContentCollectionService_GetAllPipelines_InputMessage

The **ContentCollectionService_GetAllPipelines_InputMessage** request message initiates the operation to retrieve the implementation-specific string constants.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllPipelines
```

The SOAP body MUST contain a **GetAllPipelines** element.

3.7.4.5.1.2 ContentCollectionService_GetAllPipelines_OutputMessage

The **ContentCollectionService_GetAllPipelines_OutputMessage** response message is sent in reply to the request that is initiated by the **ContentCollectionService_GetAllPipelines_InputMessage** message. The **ContentCollectionService_GetAllPipelines_InputMessage** message initiates the operation to retrieve the implementation-specific constants.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllPipelinesResponse
```

The SOAP body MUST contain a **GetAllPipelinesResponse** element.

3.7.4.5.1.3

ContentCollectionService_GetAllPipelines_AdminExceptionWCFFault_FaultMessage

The **ContentCollectionService_GetAllPipelines_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **ContentCollectionService_GetAllPipelines_InputMessage** message. The **ContentCollectionService_GetAllPipelines_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllPipelines_AdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.7.4.5.2 Elements

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

3.7.4.5.2.1 GetAllPipelines

The **GetAllPipelines** element contains input data for a **GetAllPipelines** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetAllPipelines">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.7.4.5.2.2 GetAllPipelinesResponse

The **GetAllPipelinesResponse** element contains result data for a **GetAllPipelines** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetAllPipelinesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetAllPipelinesResult" nillable="true"
type="msa:ArrayOfstring" />
    </xsd:sequence>
  </xsd:complexType>
```

</xsd:element>

GetAllPipelinesResult: An array that MUST contain the two string constants "Office14 (webcluster)" and "Attachments (webcluster)".

3.7.4.5.3 Complex Types

None.

3.7.4.5.4 Simple Types

None.

3.7.4.5.5 Attributes

None.

3.7.4.5.6 Groups

None.

3.7.4.5.7 Attribute Groups

None.

3.7.4.6 DeleteCollection

The **DeleteCollection** operation deletes a content collection and all its items from the index of the search system

The following example specifies the structure of this operation.

```
<wsdl:operation name="DeleteCollection">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/DeleteCollection" message="tns:ContentCollectionService_DeleteCollection_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/DeleteCollectionResponse"
    message="tns:ContentCollectionService_DeleteCollection_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/DeleteCollectionAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:ContentCollectionService_DeleteCollection_AdminExceptionWCFFault_FaultMessage"
  />
</wsdl:operation>
```

The protocol client MUST send a **ContentCollectionService_DeleteCollection_InputMessage** request message. On successful completion, the protocol server MUST respond with a **ContentCollectionService_DeleteCollection_OutputMessage** response message.

3.7.4.6.1 Messages

The following WSDL message definitions are specific to this operation.

3.7.4.6.1.1 ContentCollectionService_DeleteCollection_InputMessage

The **ContentCollectionService_DeleteCollection_InputMessage** request message initiates the deletion of a content collection.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/DeleteCollection
```

The SOAP body MUST contain a **DeleteCollection** element.

3.7.4.6.1.2 ContentCollectionService_DeleteCollection_OutputMessage

The **ContentCollectionService_DeleteCollection_OutputMessage** response message in reply to the request that is initiated by the **ContentCollectionService_DeleteCollection_InputMessage** message. The **ContentCollectionService_DeleteCollection_OutputMessage** message initiates the operation to delete a content collection.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/DeleteCollectionResponse
```

The SOAP body MUST contain a **DeleteCollectionResponse** element.

3.7.4.6.1.3

ContentCollectionService_DeleteCollection_AdminExceptionWCFFault_FaultMessage

The **ContentCollectionService_DeleteCollection_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **ContentCollectionService_DeleteCollection_InputMessage** message. The **ContentCollectionService_DeleteCollection_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/DeleteCollectionAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.7.4.6.2 Elements

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

3.7.4.6.2.1 DeleteCollection

The **DeleteCollection** element contains input data for a **DeleteCollection** operation.

The following example specifies the structure of this element.

```

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

```

name: Name of a content collection. This **MUST** be the name of an existing content collection.

After the receipt of the **DeleteCollection** message, the protocol server **MUST** perform the following operations to propagate the deletion throughout the search system:

1. Call **SuspendFeeding** by using the Content Feeding Protocol, as specified in [\[MS-FSCF\]](#).
2. Call **ClearCollection** by using the Content Feeding Protocol, as specified in [\[MS-FSCF\]](#).
3. Call **RemoveCollection** by using the Configuration Middleware Protocol, as specified in [\[MS-FSCMW\]](#).
4. Call **ResumeFeeding** by using the Content Feeding Protocol, as specified in [\[MS-FSCF\]](#).

3.7.4.6.2.2 DeleteCollectionResponse

The **DeleteCollectionResponse** element contains result data for a **DeleteCollection** operation.

The following example specifies the structure of this element.

```

<xsd:element name="DeleteCollectionResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="DeleteCollectionResult" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

DeleteCollectionResult: The value is **true** if the content collection was deleted; otherwise, the value is **false**.

3.7.4.6.3 Complex Types

None.

3.7.4.6.4 Simple Types

None.

3.7.4.6.5 Attributes

None.

3.7.4.6.6 Groups

None.

3.7.4.6.7 Attribute Groups

None.

3.7.4.7 ClearCollection

The **ClearCollection** operation deletes all items in a content collection from the index of the search system.

The following example specifies the structure of this operation.

```
<wsdl:operation name="ClearCollection">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ClearCollection" message="tns:ContentCollectionService_ClearCollection_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ClearCollectionResponse"
    message="tns:ContentCollectionService_ClearCollection_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ClearCollectionAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:ContentCollectionService_ClearCollection_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **ContentCollectionService_ClearCollection_InputMessage** request message. On successful completion, the protocol server MUST respond with a **ContentCollectionService_ClearCollection_OutputMessage** response message.

3.7.4.7.1 Messages

The following WSDL message definitions are specific to this operation.

3.7.4.7.1.1 ContentCollectionService_ClearCollection_InputMessage

The **ContentCollectionService_ClearCollection_InputMessage** request message initiates the removal of all documents in a content collection.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ClearCollection
```

The SOAP body MUST contain a **ClearCollection** element.

3.7.4.7.1.2 ContentCollectionService_ClearCollection_OutputMessage

The **ContentCollectionService_ClearCollection_OutputMessage** response message is sent in reply to the request that is initiated by the **ContentCollectionService_ClearCollection_InputMessage** message. The **ContentCollectionService_ClearCollection_InputMessage** message initiates the operation to delete all documents in a content collection.

The SOAP action value of the response message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ClearCollectionResponse`

The SOAP body MUST contain a **ClearCollectionResponse** element.

3.7.4.7.1.3

ContentCollectionService_ClearCollection_AdminExceptionWCFFault_FaultMessage

The **ContentCollectionService_ClearCollection_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **ContentCollectionService_ClearCollection_InputMessage** message. The **ContentCollectionService_ClearCollection_AdminExceptionWCFFault_FaultMessage** message MUST be returned by the protocol server when an error occurs.

The SOAP action value of the message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ClearCollectionAdminExceptionWCFFault`

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.7.4.7.2 Elements

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

3.7.4.7.2.1 ClearCollection

The **ClearCollection** element contains input data for a **ClearCollection** operation.

The following example specifies the structure of this element.

```
<xsd:element name="ClearCollection">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="collectionName" nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="resumeFeeding" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

collectionName: Name of a content collection. This MUST be the name of an existing content collection.

resumeFeeding: Specifies whether to call **ResumeFeeding**, by using the Content Feeding Protocol as specified in [\[MS-FSCF\]](#), after all documents have been deleted from the content collection.

After receipt of the **ClearCollection** message, the protocol server MUST perform the following operations to distribute the operation in the search system:

1. Call **SuspendFeeding** by using the Content Feeding Protocol, as specified in [\[MS-FSCF\]](#).
2. Call **ClearCollection** by using the Content Feeding Protocol, as specified in [\[MS-FSCF\]](#).

3. Call **RemoveCollection** by using the Configuration Middleware Protocol, as specified in [\[MS-FSCMW\]](#).
4. If **resumeFeeding** is set to **true**, call **ResumeFeeding** by using the Content Feeding Protocol as specified in [\[MS-FSCF\]](#).

3.7.4.7.2.2 ClearCollectionResponse

The **ClearCollectionResponse** element contains result data for a **ClearCollection** operation.

The following example specifies the structure of this element.

```
<xsd:element name="ClearCollectionResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.7.4.7.3 Complex Types

None.

3.7.4.7.4 Simple Types

None.

3.7.4.7.5 Attributes

None.

3.7.4.7.6 Groups

None.

3.7.4.7.7 Attribute Groups

None.

3.7.5 Timer Events

None.

3.7.6 Other Local Events

None.

3.8 KeywordService Server Details

3.8.1 Abstract Data Model

This section describes a conceptual model of a possible organization of data 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.

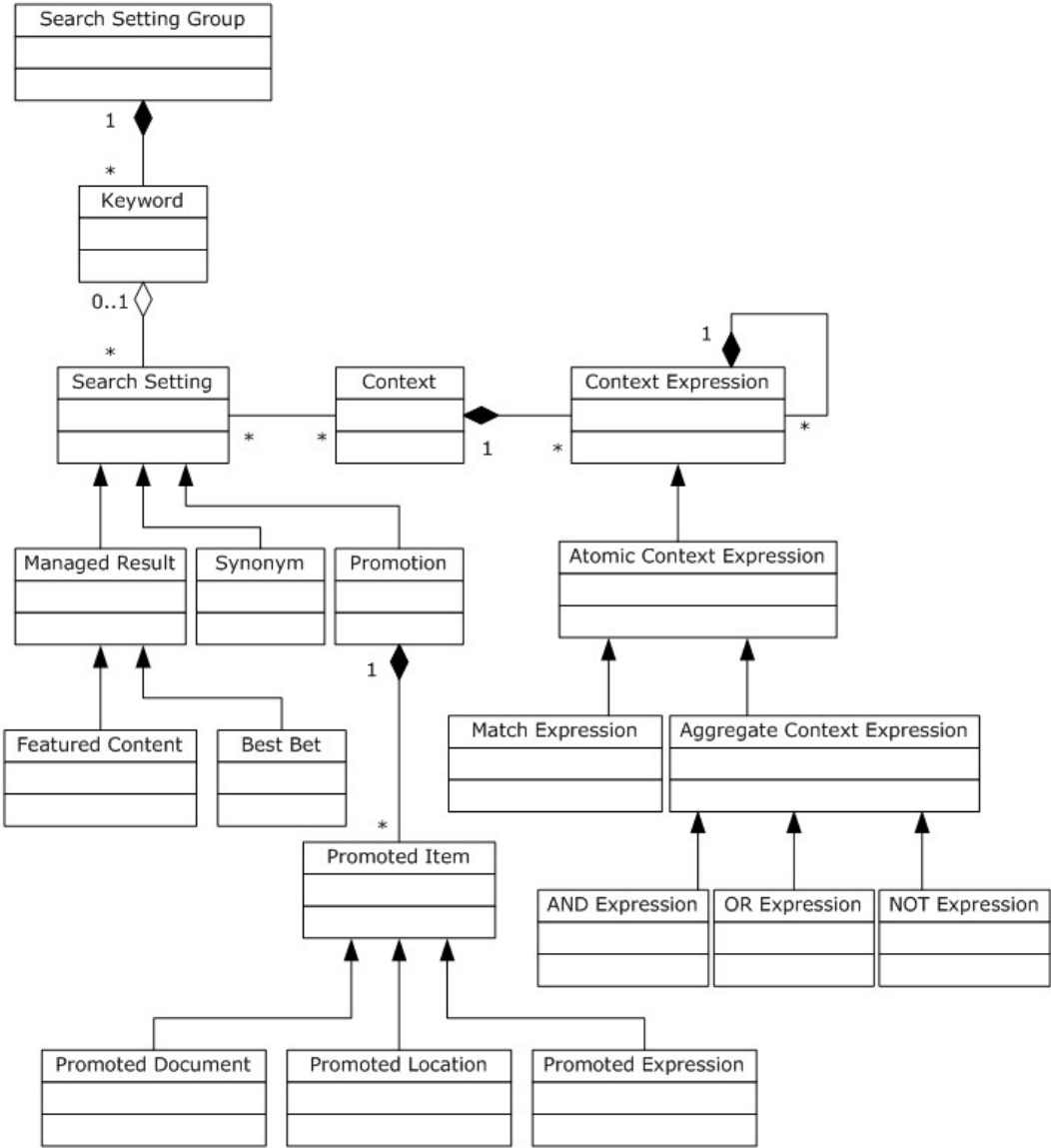


Figure 4: Conceptual data model for KeywordService

The purpose of keyword management is to identify words or phrases that are important for the search application. By identifying and configuring these keywords, a Web site administrator determines business rules that impact the query results when the keyword is used in a query.

The protocol server **MUST** maintain the following:

Search setting groups: A search setting group contains a collection of keywords and search settings.

Keywords: A keyword is a term or a phrase that is deemed important for the search application. Business rules, in the form of search settings, can be associated with the keyword to affect the query results when the keyword is used in a query. A search settings can be of the type synonym, featured content, best bet or promotion.

Synonyms: A type of search setting that causes queries for a keyword to be expanded to include the synonyms of the keyword.

Featured content: A type of search setting that causes additional content, possibly not present in the index of the search system, to be returned as part of the query result.

Best bets: A type of search setting that represent a search result a Web site administrator has deemed to be the most relevant result for a given keyword.

Promotions: A set of configuration values that cause certain query results to become ranked higher or lower for a given keyword. Which query results have their rank modified by the promotion is controlled by the promoted items of the promotion. Promoted items can be of the type promoted document, promoted location or promoted expression.

Promoted document: The URI of a single indexed item whose rank is to be modified by a promotion.

Promoted location: The prefix of an URI. All indexed items whose URI begins with this prefix have their rank modified by a promotion.

Promoted expression: An FQL expression, as specified by [\[MS-FSQ\]](#). All items in the index that match this expression have their rank modified by a promotion.

Search setting context: A set of configuration settings that controls the applicability of search settings. Each search setting context contains a context expression in the form of an abstract syntax tree composed of context expression nodes. Each context expression node can be of type **MATCH expression**, **AND expression**, **OR expression** or **NOT expression**. A search setting is only applied to a query result of a keyword if the context expression of at least one search setting context associated with the search setting evaluates to **true** based on the query context of the query.

MATCH expression node: A context expression node that represents a leaf node in a context expression. A **MATCH** expression node evaluates to **true** if and only if its name and value are present in the query context of a query.

AND expression node: A context expression node that represents an internal node in a context expression. An **AND** expression node evaluates to **true** only if all its subnodes also evaluate to **true**.

OR expression node: A context expression node that represents an internal node in a context expression. An **OR** expression node evaluates to **true** only if at least one of its subnodes also evaluate to **true**.

NOT expression node: A context expression node that represents an internal node in a context expression. A **NOT** expression node evaluates to **true** only if its single subnode is evaluated to **false**.

Internal context expression nodes are also referred to as aggregate context expression nodes. Leaf context expression nodes are also referred to as atomic context expression nodes.

The protocol server **MUST** maintain the association between the concepts defined in the preceding figure.

All keywords MUST be associated with a search setting group. A search setting is either associated with a keyword, or is global within a search setting group. The protocol server MUST assign a unique identifier when a protocol client creates new search setting groups, keywords, search settings, promoted items, search setting contexts, and context expression nodes. These identifiers MUST be unique across search setting groups. When an item is deleted, the protocol server MUST perform a cascading delete operation.

3.8.2 Timers

None.

3.8.3 Initialization

None.

3.8.4 Message Processing Events and Sequencing Rules

The following table specifies message processing events and sequencing rules.

| Operation | Description |
|--|--|
| AddContext | Adds a search setting context. |
| AddContextExpressionAggregateNode | Adds an aggregate context expression node. |
| AddContextExpressionAtomicNode | Adds an atomic context expression node. |
| AddKeyword | Adds a keyword. |
| AddPromotedItem | Adds a promoted item. |
| AddSearchSetting | Adds a search setting. |
| AddSearchSettingGroup | Adds a search setting group. |
| AddSynonym | Adds a synonym. |
| AttachContextToSearchSetting | Attaches a search setting context to a search setting. |
| AttachNamedContextToSearchSetting | Attaches a named search setting context to a search setting. |
| ContainsContextExpression | Checks whether a context expression node exists. |
| ContainsPromotedItem | Checks whether a promotion contains a promoted item. |
| ContainsSearchSettingByCriteria | Checks whether a search setting group contains a search setting that satisfies certain criteria. |
| ContainsSearchSettingById | Checks whether a search setting group contains a specific search setting. |
| CountContextsByCriteria | Counts the search setting contexts that satisfy certain criteria. |

| Operation | Description |
|--|---|
| CountContextsForSearchSetting | Counts the search setting contexts for a given search setting. |
| CountKeywordsByCriteria | Counts the keywords that satisfy certain criteria. |
| CountPromotedItems | Counts the number of promoted items. |
| CountSearchSettingsByCriteria | Counts the search settings that satisfy certain criteria. |
| CountSearchSettingsForContext | Counts the number of search settings that are associated with a search setting context. |
| CountSearchSettingsForGroupByCriteria | Counts the number of search settings in a search setting group that satisfy certain criteria. |
| CountSearchSettingGroups | Counts the number of search setting groups. |
| CreateAggregateContextExpressionRoot | Creates a context expression root for a search setting context. |
| DetachContextFromSearchSetting | Detaches a search setting context from a search setting. |
| DetachContextsFromSearchSetting | Detaches search setting contexts from a search setting. |
| DetachNamedContextFromSearchSetting | Detaches a named search setting context from a search setting. |
| GetBestBetPagedResult | Retrieves a list of best bets. |
| GetContextExpressionCount | Counts the number of context expression nodes that descend from a given context expression node. |
| GetContextExpressionTree | Retrieves a list of context expression nodes that comprise a complete context expression for a search setting context. |
| GetContextsPagedResult | Retrieves a list of search setting contexts. |
| GetEmptyKeyword | Retrieves a keyword instance that represents the undefined keyword. This grants permissions for search settings that are not specific to a keyword. |
| GetFeaturedContentPagedResult | Retrieves a list of featured content. |
| GetKeywordByCriteria | Retrieves a keyword that satisfies the criteria. |
| GetKeywordPagedResult | Retrieves a list of keywords. |
| GetNamedContext | Retrieves a named search setting context. |
| GetNamedContextForSearchSetting | Retrieves a named search setting context for a given search setting. |

| Operation | Description |
|--|---|
| GetNamedSearchSettingGroup | Retrieves a search setting group. |
| GetPromotedDocuments | Retrieves a list of promoted documents. |
| GetPromotedExpressions | Retrieves a list of promoted expressions. |
| GetPromotedItems | Retrieves a list of promoted items. |
| GetPromotedLocations | Retrieves a list of promoted locations. |
| GetPromotionPagedResult | Retrieves a list of promotions. |
| GetSearchSettingByNameAndType | Retrieves a search setting that has a given type and name. |
| GetSearchSettingGroups | Retrieves all search setting groups. |
| GetSearchSettingPagedResult | Retrieves a list of search settings. |
| GetSynonymPagedResult | Retrieves a list of synonyms. |
| RemoveContextsByCriteria | Deletes search setting contexts that satisfy certain criteria. |
| RemoveContextExpressionSubtreeIncludingParent | Deletes a context expression node and all nodes that descend from it. |
| RemoveContextExpressionSubtree | Deletes all context expression nodes that descend from a given node. |
| RemoveKeywordByCriteria | Deletes a keyword that satisfies certain criteria. |
| RemoveKeywordsByCriteria | Deletes keywords that satisfy certain criteria. |
| RemoveNamedContext | Deletes a named search setting context. |
| RemoveNamedSearchSettingByType | Deletes a named search setting of a given type. |
| RemoveNamedSearchSettingGroup | Deletes a search setting group. |
| RemovePromotedItems | Deletes promoted items. |
| RemoveSearchSettingsForGroupByCriteria | Deletes a search setting that satisfies certain criteria. |
| RemoveSearchSettingGroupById | Deletes a search setting group. |
| RemoveSearchSettingGroups | Deletes all search setting groups. |
| RemoveSearchSetting | Deletes a search setting. |
| RemoveSearchSettingsByCriteria | Deletes search settings that satisfy certain criteria. |
| UpdateContext | Updates a search setting context. |
| UpdateKeyword | Updates a keyword. |

| Operation | Description |
|---------------------------------|---------------------------------|
| UpdatePromotedItem | Updates a promoted item. |
| UpdateSearchSetting | Updates a search setting. |
| UpdateSearchSettingGroup | Updates a search setting group. |

3.8.4.1 CountSearchSettingsForContext

The **CountSearchSettingsForContext** operation is used to retrieve the number of search settings associated with a search setting context

The following example specifies the structure of this operation.

```
<wsdl:operation name="CountSearchSettingsForContext">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForContext"
    message="tns:KeywordService_CountSearchSettingsForContext_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForContextResponse"
    message="tns:KeywordService_CountSearchSettingsForContext_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForContextAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_CountSearchSettingsForContext_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

3.8.4.1.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.1.1.1 KeywordService_CountSearchSettingsForContext_InputMessage

The **KeywordService_CountSearchSettingsForContext_InputMessage** request message initiates the operation to retrieve the number of search settings that are associated with a search setting context.

The SOAP action value of the message **MUST** be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForContext
```

The SOAP body **MUST** contain a **CountSearchSettingsForContext** element.

3.8.4.1.1.2 KeywordService_CountSearchSettingsForContext_OutputMessage

The **KeywordService_CountSearchSettingsForContext_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountSearchSettingsForContext_InputMessage** message. The **KeywordService_CountSearchSettingsForContext_InputMessage** request message initiates

the operation to retrieve the number of search settings that are associated with a search setting context.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForContextResponse
```

The SOAP body MUST contain a **CountSearchSettingsForContextResponse** element.

3.8.4.1.1.3

KeywordService_CountSearchSettingsForContext_AdminExceptionWCFFault_FaultMessage

The **KeywordService_CountSearchSettingsForContext_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountSearchSettingsForContext_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForContextAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.1.2 Elements

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

3.8.4.1.2.1 CountSearchSettingsForContext

The following example shows the **CountSearchSettingsForContext** element.

```
<xsd:element name="CountSearchSettingsForContext">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="contextId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

contextID: The identifier of the search setting context to retrieve the search setting count for.

3.8.4.1.2.2 CountSearchSettingsForContextResponse

The following example shows the **CountSearchSettingsForContextResponse** element.

```
<xsd:element name="CountSearchSettingsForContextResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
```



```

        name="CountSearchSettingsForContextResult" type="xsd:int" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

```

CountSearchSettingsForContextResult: The number of search settings for the search setting context.

3.8.4.1.3 Complex Types

None.

3.8.4.1.4 Simple Types

None.

3.8.4.1.5 Attributes

None.

3.8.4.1.6 Groups

None.

3.8.4.1.7 Attribute Groups

None.

3.8.4.2 GetEmptyKeyword

The **GetEmptyKeyword** operation is used to retrieve search settings that are not associated with a particular keyword. The returned **KeywordDTO** instance is provided only as a means to retrieve these search settings and does not represent any existing keyword. It MUST NOT be possible to delete or modify this keyword. It MUST NOT be possible to retrieve this keyword by using any operation other than **GetEmptyKeyword**.

The following example specifies the structure of this operation.

```

<wsdl:operation name="GetEmptyKeyword">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmptyKeyword" message="tns:KeywordService_GetEmptyKeyword_InputMessage" />
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmptyKeywordResponse" message="tns:KeywordService_GetEmptyKeyword_OutputMessage" />
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmptyKeywordAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_GetEmptyKeyword_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>

```

3.8.4.2.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.2.1.1 KeywordService_GetEmptyKeyword_InputMessage

The **KeywordService_GetEmptyKeyword_InputMessage** request message initiates the operation to retrieve the empty keyword from the protocol server.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmptyKeyword
```

The SOAP body MUST contain a **GetEmptyKeyword** element.

3.8.4.2.1.2 KeywordService_GetEmptyKeyword_OutputMessage

The **KeywordService_GetEmptyKeyword_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetEmptyKeyword_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmptyKeywordResponse
```

The SOAP body MUST contain a **GetEmptyKeywordResponse** element.

3.8.4.2.1.3

KeywordService_GetEmptyKeyword_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetEmptyKeyword_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetEmptyKeyword_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmptyKeywordAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.2.2 Elements

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

3.8.4.2.2.1 GetEmptyKeyword

The **GetEmptyKeyword** element contains input data for a **GetEmptyKeyword** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetEmptyKeyword">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```

        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>

```

groupId: The identifier of the search setting group that contains the empty keyword to be retrieved.

3.8.4.2.2.2 GetEmptyKeywordResponse

The **GetEmptyKeywordResponse** element contains response data from a **GetEmptyKeyword** operation.

The following example specifies the structure of this element.

```

<xsd:element name="GetEmptyKeywordResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetEmptyKeywordResult"
        nillable="true" type="tns:KeywordDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

GetEmptyKeywordResult: The empty keyword for the search setting group.

3.8.4.2.3 Complex Types

None.

3.8.4.2.4 Simple Types

None.

3.8.4.2.5 Attributes

None.

3.8.4.2.6 Groups

None.

3.8.4.2.7 Attribute Groups

None.

3.8.4.3 AddSearchSettingGroup

The **AddSearchSettingGroup** operation adds a search setting group to the protocol server.

The following example specifies the structure of this operation.

```

<wsdl:operation name="AddSearchSettingGroup">

```

```

    <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSettingGroup" message="tns:KeywordService_AddSearchSettingGroup_InputMessage" />
    <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSettingGroupResponse" message="tns:KeywordService_AddSearchSettingGroup_OutputMessage" />
    <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSettingGroupAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_AddSearchSettingGroup_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>

```

The protocol client MUST send a **KeywordService_AddSearchSettingGroup_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_AddSearchSettingGroup_OutputMessage** response message.

3.8.4.3.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.3.1.1 KeywordService_AddSearchSettingGroup_InputMessage

The **KeywordService_AddSearchSettingGroup_InputMessage** request message initiates the addition of a search setting group.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSettingGroup

```

The SOAP body MUST contain an **AddSearchSettingGroup** element.

3.8.4.3.1.2 KeywordService_AddSearchSettingGroup_OutputMessage

The **KeywordService_AddSearchSettingGroup_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddSearchSettingGroup_InputMessage** message. The **KeywordService_AddSearchSettingGroup_InputMessage** message initiates the operation to add a search setting.

The SOAP action value of the response message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/
AddSearchSettingGroupResponse

```

The SOAP body MUST contain an **AddSearchSettingGroupResponse** element.

3.8.4.3.1.3

KeywordService_AddSearchSettingGroup_AdminExceptionWCFFault_FaultMessage

The **KeywordService_AddSearchSettingGroup_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the

KeywordService_AddSearchSettingGroup_InputMessage. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSettingGroupAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.3.2 Elements

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

3.8.4.3.2.1 AddSearchSettingGroup

The **AddSearchSettingGroup** element contains input data for an **AddSearchSettingGroup** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AddSearchSettingGroup">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupName" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="description" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

groupName: The name of the group. This element MUST NOT be **null**.

description: The optional description of the group.

3.8.4.3.2.2 AddSearchSettingGroupResponse

The **AddSearchSettingGroupResponse** element contains result data for an **AddSearchSettingGroup** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AddSearchSettingGroupResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="AddSearchSettingGroupResult" nillable="true"
type="tns:SearchSettingGroupDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

AddSearchSettingGroupResult: The result of the addition of the search setting group. This element MUST be present, MUST NOT be **null** and its **Name** and **Description** elements MUST have the same values as those that are used in the initiating **AddSearchSettingGroup** element. In addition, the following elements MUST be included in the response:

LastChanged: The date and time of creation of the group on the protocol server, in UTC.

Id: A unique identifier assigned to the group.

The protocol server **MUST** enforce the uniqueness of the **Name** element.

3.8.4.3.3 Complex Types

None.

3.8.4.3.4 Simple Types

None.

3.8.4.3.5 Attributes

None.

3.8.4.3.6 Groups

None.

3.8.4.3.7 Attribute Groups

None.

3.8.4.4 GetNamedSearchSettingGroup

The **GetNamedSearchSettingGroup** operation retrieves a named search setting group from the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetNamedSearchSettingGroup">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedSearchSettingGroup" message="tns:KeywordService_GetNamedSearchSettingGroup_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedSearchSettingGroupResponse"
    message="tns:KeywordService_GetNamedSearchSettingGroup_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedSearchSettingGroupAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetNamedSearchSettingGroup_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client **MUST** send a **KeywordService_GetNamedSearchSettingGroup_InputMessage** request message. When the operation finishes successfully, the protocol server **MUST** respond with a **KeywordService_GetNamedSearchSettingGroup_OutputMessage** response message.

3.8.4.4.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.4.1.1 **KeywordService_GetNamedSearchSettingGroup_InputMessage**

The **KeywordService_GetNamedSearchSettingGroup_InputMessage** request message retrieves a named search setting group from the protocol server.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedSearchSettingGroup
```

The SOAP body MUST contain a **GetNamedSearchSettingGroup** element.

3.8.4.4.1.2 **KeywordService_GetNamedSearchSettingGroup_OutputMessage**

The **KeywordService_GetNamedSearchSettingGroup_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetNamedSearchSettingGroup_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedSearchSettingGroupResponse
```

The SOAP body MUST contain a **GetNamedSearchSettingGroupResponse** element.

3.8.4.4.1.3 **KeywordService_GetNamedSearchSettingGroup_AdminExceptionWCFFault_FaultMessage**

The **KeywordService_GetNamedSearchSettingGroup_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetNamedSearchSettingGroup_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedSearchSettingGroupAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.4.2 **Elements**

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

3.8.4.4.2.1 **GetNamedSearchSettingGroup**

The **GetNamedSearchSettingGroup** element contains input data for a **GetNamedSearchSettingGroup** operation.

The following example specifies the structure of this element.

```

<xsd:element name="GetNamedSearchSettingGroup">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupName" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

groupName: The name of the group to retrieve.

3.8.4.4.2 GetNamedSearchSettingGroupResponse

The **GetNamedSearchSettingGroupResponse** element contains result data for a **GetNamedSearchSettingGroup** operation.

The following example specifies the structure of this element.

```

<xsd:element name="GetNamedSearchSettingGroupResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetNamedSearchSettingGroupResult" nillable="true"
type="tns:SearchSettingGroupDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

GetNamedSearchSettingGroupResult: The elements of the named search setting group.

3.8.4.4.3 Complex Types

None.

3.8.4.4.4 Simple Types

None.

3.8.4.4.5 Attributes

None.

3.8.4.4.6 Groups

None.

3.8.4.4.7 Attribute Groups

None.

3.8.4.5 UpdateSearchSettingGroup

The **UpdateSearchSettingGroup** operation updates a search setting group on the protocol server.

The following example specifies the structure of this operation.


```

<wsdl:operation name="UpdateSearchSettingGroup">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
SearchSettingGroup" message="tns:KeywordService_UpdateSearchSettingGroup_InputMessage" />
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
SearchSettingGroupResponse"
message="tns:KeywordService_UpdateSearchSettingGroup_OutputMessage" />
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
SearchSettingGroupAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_UpdateSearchSettingGroup_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>

```

The protocol client MUST send a **KeywordService_UpdateSearchSettingGroup_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_UpdateSearchSettingGroup_OutputMessage** response message.

3.8.4.5.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.5.1.1 KeywordService_UpdateSearchSettingGroup_InputMessage

The **KeywordService_UpdateSearchSettingGroup_InputMessage** request message initiates the update of a named search setting group.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSetting
Group

```

The SOAP body MUST contain an **UpdateSearchSettingGroup** element.

3.8.4.5.1.2 KeywordService_UpdateSearchSettingGroup_OutputMessage

The **KeywordService_UpdateSearchSettingGroup_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_UpdateSearchSettingGroup_InputMessage** message.

The SOAP action value of the response message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/
UpdateSearchSettingGroupResponse

```

The SOAP body MUST contain an **UpdateSearchSettingGroupResponse** element.

3.8.4.5.1.3

KeywordService_UpdateSearchSettingGroup_AdminExceptionWCFFault_FaultMessage

The **KeywordService_UpdateSearchSettingGroup_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the

KeywordService_UpdateSearchSettingGroup_InputMessage. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSettingGroupAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.5.2 Elements

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

3.8.4.5.2.1 UpdateSearchSettingGroup

The **UpdateSearchSettingGroup** element contains input data for an **UpdateSearchSettingGroup** operation.

The following example specifies the structure of this element.

```
<xsd:element name="UpdateSearchSettingGroup">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingGroup" nillable="true"
type="tns:SearchSettingGroupDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

searchSettingGroup: The elements of the search setting group to update. The **searchSettingGroup** element MUST be present, it MUST NOT be **null** and its **Id** element MUST be the identifier of an existing search setting group. The protocol server MUST update the search setting group with the values from the **Name** and **Description** elements.

3.8.4.5.2.2 UpdateSearchSettingGroupResponse

The **UpdateSearchSettingGroupResponse** element contains result data for an **UpdateSearchSettingGroup** operation.

The following example specifies the structure of this element.

```
<xsd:element name="UpdateSearchSettingGroupResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="UpdateSearchSettingGroupResult" nillable="true"
type="tns:SearchSettingGroupDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

UpdateSearchSettingGroupResult: The updated values. The **Id**, **Name** and **Description** elements MUST be the same values as those that are used in the initiating

UpdateSearchSettingGroup element. In addition, the following property **MUST** be set by the protocol server.

LastChanged. The date and time of the update operation on the protocol server, in UTC.

3.8.4.5.3 Complex Types

None.

3.8.4.5.4 Simple Types

None.

3.8.4.5.5 Attributes

None.

3.8.4.5.6 Groups

None.

3.8.4.5.7 Attribute Groups

None.

3.8.4.6 RemoveSearchSettingGroups

The **RemoveSearchSettingGroups** operation deletes all search setting groups from the protocol server. It also deletes all keywords in these groups, as well as all search settings for these keywords. All search setting contexts and context expressions are also deleted.

The following example specifies the structure of this operation.

```
<wsdl:operation name="RemoveSearchSettingGroups">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroups" message="tns:KeywordService_RemoveSearchSettingGroups_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupsResponse"
    message="tns:KeywordService_RemoveSearchSettingGroups_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemoveSearchSettingGroups_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client **MUST** send a

KeywordService_RemoveSearchSettingGroups_InputMessage request message. When the operation finishes successfully, the protocol server **MUST** respond with a **KeywordService_RemoveSearchSettingGroups_OutputMessage** response message.

3.8.4.6.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.6.1.1 KeywordService_RemoveSearchSettingGroups_InputMessage

The **KeywordService_RemoveSearchSettingGroups_InputMessage** request message initiates the removal of all search setting groups.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroups
```

The SOAP body MUST contain a **RemoveSearchSettingGroups** element.

3.8.4.6.1.2 KeywordService_RemoveSearchSettingGroups_OutputMessage

The **KeywordService_RemoveSearchSettingGroups_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveSearchSettingGroups_InputMessage** message. The **KeywordService_RemoveSearchSettingGroups_InputMessage** initiates the operation to remove search setting groups.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupsResponse
```

The SOAP body MUST contain a **RemoveSearchSettingGroupsResponse** element.

3.8.4.6.1.3

KeywordService_RemoveSearchSettingGroups_AdminExceptionWCFFault_FaultMessage

The **KeywordService_RemoveSearchSettingGroups_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveSearchSettingGroups_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.6.2 Elements

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

3.8.4.6.2.1 RemoveSearchSettingGroups

The **RemoveSearchSettingGroups** element contains input data for a **RemoveSearchSettingGroups** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveSearchSettingGroups">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.8.4.6.2.2 RemoveSearchSettingGroupsResponse

The **RemoveSearchSettingGroupsResponse** element contains result data for a **RemoveSearchSettingGroups** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveSearchSettingGroupsResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.8.4.6.3 Complex Types

None.

3.8.4.6.4 Simple Types

None.

3.8.4.6.5 Attributes

None.

3.8.4.6.6 Groups

None.

3.8.4.6.7 Attribute Groups

None.

3.8.4.7 RemoveSearchSettingGroupById

The **RemoveSearchSettingGroupById** operation deletes the search setting group with the given identifier from the protocol server. It **MUST** also delete all keywords associated with that search setting group, including the search settings that are associated with those keywords. All search setting contexts and context expressions for the group **MUST** also be deleted.

The following example specifies the structure of this operation.

```

<wsdl:operation name="RemoveSearchSettingGroupById">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupById"
    message="tns:KeywordService_RemoveSearchSettingGroupById_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupByIdResponse"
    message="tns:KeywordService_RemoveSearchSettingGroupById_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupByIdAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemoveSearchSettingGroupById_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>

```

The protocol client MUST send a **KeywordService_RemoveSearchSettingGroupById_InputMessage** request message. The protocol server MUST respond with a **KeywordService_RemoveSearchSettingGroupById_OutputMessage** response message when the operation finishes successfully.

3.8.4.7.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.7.1.1 KeywordService_RemoveSearchSettingGroupById_InputMessage

The **KeywordService_RemoveSearchSettingGroupById_InputMessage** request message initiates the removal of a single search setting group.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupById

```

The SOAP body MUST contain a **RemoveSearchSettingGroupById** element.

3.8.4.7.1.2 KeywordService_RemoveSearchSettingGroupById_OutputMessage

The **KeywordService_RemoveSearchSettingGroupById_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveSearchSettingGroupById_InputMessage** message. The **KeywordService_RemoveSearchSettingGroupById_InputMessage** message initiates the removal of a single search setting group.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupByIdResponse

```

The SOAP body MUST contain a **RemoveSearchSettingGroupByIdResponse** element.

3.8.4.7.1.3 KeywordService_RemoveSearchSettingGroup AdminExceptionWCFFault_FaultMessage

The **KeywordService_RemoveSearchSettingGroup AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveSearchSettingGroupById_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupByIdAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.7.2 Elements

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

3.8.4.7.2.1 RemoveSearchSettingGroupById

The **RemoveSearchSettingGroupById** element contains input data for a **RemoveSearchSettingGroupById** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveSearchSettingGroupById">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

groupId: The identifier of the group to delete. The element MUST be present, it MUST NOT be **null**, and it MUST be the identifier of an existing search setting group.

3.8.4.7.2.2 RemoveSearchSettingGroupByIdResponse

The **RemoveSearchSettingGroupByIdResponse** element contains result data for a **RemoveSearchSettingGroupById** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveSearchSettingGroupByIdResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.8.4.7.3 Complex Types

None.

3.8.4.7.4 Simple Types

None.

3.8.4.7.5 Attributes

None.

3.8.4.7.6 Groups

None.

3.8.4.7.7 Attribute Groups

None.

3.8.4.8 RemoveNamedSearchSettingGroup

The **RemoveNamedSearchSettingGroup** operation deletes a named search setting group. It MUST also delete all keywords associated with that search setting group, including the search settings that are associated with those keywords. All search setting contexts and context expressions for the group MUST also be deleted.

The following example specifies the structure of this operation.

```
<wsdl:operation name="RemoveNamedSearchSettingGroup">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
    NamedSearchSettingGroup"
    message="tns:KeywordService_RemoveNamedSearchSettingGroup_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
    NamedSearchSettingGroupResponse"
    message="tns:KeywordService_RemoveNamedSearchSettingGroup_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
    NamedSearchSettingGroupAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemoveNamedSearchSettingGroup_AdminExceptionWCFFault_FaultMessage
    " />
</wsdl:operation>
```

The protocol client MUST send a

KeywordService_RemoveNamedSearchSettingGroup_InputMessage request message. On successful completion, the protocol server MUST respond with a

KeywordService_RemoveNamedSearchSettingGroup_OutputMessage response message.

3.8.4.8.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.8.1.1 **KeywordService_RemoveNamedSearchSettingGroup_InputMessage**

The **KeywordService_RemoveNamedSearchSettingGroup_InputMessage** request message initiates the removal of a named search setting group.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedSearchSettingGroup
```

The SOAP body MUST contain a **RemoveNamedSearchSettingGroup** element.

3.8.4.8.1.2 **KeywordService_RemoveNamedSearchSettingGroup_OutputMessage**

The **KeywordService_RemoveNamedSearchSettingGroup_InputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveNamedSearchSettingGroup_InputMessage** message. The **KeywordService_RemoveNamedSearchSettingGroup_InputMessage** message initiates the removal of a named search setting group.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedSearchSettingGroupResponse
```

The SOAP body MUST contain a **RemoveNamedSearchSettingGroupResponse** element.

3.8.4.8.1.3 **KeywordService_RemoveNamedSearchSettingGroupAdminExceptionWCFFault_FaultMessage**

The **KeywordService_RemoveNamedSearchSettingGroupAdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveNamedSearchSettingGroup_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedSearchSettingGroupAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.8.2 **Elements**

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

3.8.4.8.2.1 **RemoveNamedSearchSettingGroup**

The **RemoveNamedSearchSettingGroup** element contains input data for a **RemoveNamedSearchSettingGroup** operation.

The following example specifies the structure of this element.

```

<xsd:element name="RemoveNamedSearchSettingGroup">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupName" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

groupName: The name of the group to delete. This element **MUST** be present and it **MUST NOT** be **null**.

3.8.4.8.2.2 RemoveNamedSearchSettingGroupResponse

The **RemoveNamedSearchSettingGroupResponse** element contains result data for a **RemoveNamedSearchSettingGroup** operation.

The following example specifies the structure of this element.

```

<xsd:element name="RemoveNamedSearchSettingGroupResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>

```

The element is empty.

3.8.4.8.3 Complex Types

None.

3.8.4.8.4 Simple Types

None.

3.8.4.8.5 Attributes

None.

3.8.4.8.6 Groups

None.

3.8.4.8.7 Attribute Groups

None.

3.8.4.9 CountSearchSettingGroups

The **CountSearchSettingGroups** operation counts the number of search setting groups on the protocol server.

The following example specifies the structure of this element.

```

<wsdl:operation name="CountSearchSettingGroups">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingGroups" message="tns:KeywordService_CountSearchSettingGroups_InputMessage" />
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingGroupsResponse"
message="tns:KeywordService_CountSearchSettingGroups_OutputMessage" />
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingGroupsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_CountSearchSettingGroups_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>

```

The protocol client MUST send a **KeywordService_CountSearchSettingGroups_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_CountSearchSettingGroups_OutputMessage** response message.

3.8.4.9.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.9.1.1 KeywordService_CountSearchSettingGroups_InputMessage

The **KeywordService_CountSearchSettingGroups_InputMessage** request message initiates the operation to count search setting groups.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingGroups

```

The SOAP body MUST contain a **CountSearchSettingGroups** element.

3.8.4.9.1.2 KeywordService_CountSearchSettingGroups_OutputMessage

The **KeywordService_CountSearchSettingGroups_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountSearchSettingGroups_InputMessage** message. The **KeywordService_CountSearchSettingGroups_InputMessage** message initiates the operation to count search setting groups.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingGroupsResponse

```

The SOAP body MUST contain a **CountSearchSettingGroupsResponse** element.

3.8.4.9.1.3 KeywordService_CountSearchSettingGroups_AdminExceptionWCFFault_FaultMessage

The **KeywordService_CountSearchSettingGroups_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the

KeywordService_CountSearchSettingGroups_InputMessage message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingGroupsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.9.2 Elements

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

3.8.4.9.2.1 CountSearchSettingGroups

The **CountSearchSettingGroups** element contains input data for a **CountSearchSettingGroups** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CountSearchSettingGroups">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.8.4.9.2.2 CountSearchSettingGroupsResponse

The **CountSearchSettingGroupsResponse** element contains result data for a **CountSearchSettingGroups** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CountSearchSettingGroupsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CountSearchSettingGroupsResult" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CountSearchSettingGroupResult: The number of search setting groups.

3.8.4.9.3 Complex Types

None.

3.8.4.9.4 Simple Types

None.

3.8.4.9.5 Attributes

None.

3.8.4.9.6 Groups

None.

3.8.4.9.7 Attribute Groups

None.

3.8.4.10 GetSearchSettingGroups

The **GetSearchSettingGroups** operation retrieves all search setting groups from the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetSearchSettingGroups">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingGroups" message="tns:KeywordService_GetSearchSettingGroups_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingGroupsResponse" message="tns:KeywordService_GetSearchSettingGroups_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingGroupsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetSearchSettingGroups_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_GetSearchSettingGroups_InputMessage** request message. The protocol server MUST respond with a **KeywordService_GetSearchSettingGroups_OutputMessage** response message when the operation finishes successfully.

3.8.4.10.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.10.1.1 KeywordService_GetSearchSettingGroups_InputMessage

The **KeywordService_GetSearchSettingGroups_InputMessage** request message initiates the operation to retrieve all search setting groups.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingGroups
```

3.8.4.10.1.2 KeywordService_GetSearchSettingGroups_OutputMessage

The **KeywordService_GetSearchSettingGroups_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetSearchSettingGroups_InputMessage** message. The **KeywordService_GetSearchSettingGroups_InputMessage** request message initiates the operation to retrieve all search setting groups.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingGroupsResponse
```

The SOAP body MUST contain a **GetSearchSettingGroupsResponse** element.

3.8.4.10.1.3

KeywordService_GetSearchSettingGroups_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetSearchSettingGroups_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetSearchSettingGroups_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingGroups_AdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.10.2 Elements

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

3.8.4.10.2.1 GetSearchSettingGroups

The **GetSearchSettingGroups** element contains input data for a **GetSearchSettingGroups** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetSearchSettingGroups">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.8.4.10.2.2 GetSearchSettingGroupsResponse

The **GetSearchSettingGroupsResponse** element contains result data for a **GetSearchSettingGroups** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetSearchSettingGroupsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetSearchSettingGroupsResult" nillable="true"
type="tns:ArrayOfSearchSettingGroupDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetSearchSettingGroupsResult: An array of **SearchSettingGroupDTO**.

3.8.4.10.3 Complex Types

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

3.8.4.10.3.1 ArrayOfSearchSettingGroupDTO

The **ArrayOfSearchSettingGroupDTO** complex type contains an array of **SearchSettingGroupDTO**. This array contains zero, one, or more search setting group elements.

The following example specifies the structure of this element.

```
<xsd:complexType name="ArrayOfSearchSettingGroupDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="SearchSettingGroupDTO"
nillable="true" type="tns:SearchSettingGroupDTO" />
  </xsd:sequence>
</xsd:complexType>
```

3.8.4.10.4 Simple Types

None.

3.8.4.10.5 Attributes

None.

3.8.4.10.6 Groups

None.

3.8.4.10.7 Attribute Groups

None.

3.8.4.11 AddKeyword

The **AddKeyword** operation adds a keyword to a search setting group on the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="AddKeyword">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKeyword"
    message="tns:KeywordService_AddKeyword_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKeywordResponse"
    message="tns:KeywordService_AddKeyword_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKeywordAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_AddKeyword_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_AddKeyword_InputMessage** request message. The protocol server MUST respond with a **KeywordService_AddKeyword_OutputMessage** response message when the operation finishes successfully.

3.8.4.11.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.11.1.1 KeywordService_AddKeyword_InputMessage

The **KeywordService_AddKeyword_InputMessage** request message initiates the addition of a keyword.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKeyword
```

The SOAP body MUST contain an **AddKeyword** element.

3.8.4.11.1.2 KeywordService_AddKeyword_OutputMessage

The **KeywordService_AddKeyword_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddKeyword_InputMessage** message. The **KeywordService_AddKeyword_InputMessage** message initiates the addition of a keyword.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKeywordResponse
```

The SOAP body MUST contain a **AddKeywordResponse** element.

3.8.4.11.1.3

KeywordService_AddKeyword_AdminExceptionWCFFault_FaultMessage

The **KeywordService_AddKeyword_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddKeyword_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKeywordAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.11.2 Elements

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

3.8.4.11.2.1 AddKeyword

The **AddKeyword** element contains input data for an **AddKeyword** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AddKeyword">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keyword" nillable="true" type="tns:KeywordDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

keyword: The elements of the keyword to add. This element MUST be present and it MUST NOT be **null**. The protocol server MUST use the values from the elements **Group**, **Name** and **Description** when adding the keyword. The value of **Name** MUST NOT be the name of an already existing keyword in the same search setting group.

3.8.4.11.2.2 AddKeywordResponse

The **AddKeywordResponse** element contains result data for an **AddKeyword** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AddKeywordResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="AddKeywordResult" nillable="true"
        type="tns:KeywordDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

AddKeywordResult: The elements of the added keyword. The **Group**, **Name** and **Description** elements MUST have the same values as those of the **AddKeyword** element that initiated this operation. In addition, the following properties MUST be set by the protocol server.

LastChanged: The date and time of creation of the group on the protocol server, in UTC.

Id: A unique identifier for the keyword. This identifier MUST be unique across search setting groups.

3.8.4.11.3 Complex Types

None.

3.8.4.11.4 Simple Types

None.

3.8.4.11.5 Attributes

None.

3.8.4.11.6 Groups

None.

3.8.4.11.7 Attribute Groups

None.

3.8.4.12 GetKeywordByCriteria

The **GetKeywordByCriteria** operation retrieves a named keyword that satisfies certain criteria from the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetKeywordByCriteria">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordByCriteria" message="tns:KeywordService_GetKeywordByCriteria_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordByCriteriaResponse" message="tns:KeywordService_GetKeywordByCriteria_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordByCriteriaAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetKeywordByCriteria_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_GetKeywordByCriteria_InputMessage** request message. The protocol server MUST respond with a **KeywordService_GetKeywordByCriteria_OutputMessage** response message when the operation finishes successfully.

3.8.4.12.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.12.1.1 KeywordService_GetKeywordByCriteria_InputMessage

The **KeywordService_GetKeywordByCriteria_InputMessage** request message initiates the operation to retrieve a named keyword.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordByCriteria
```

The SOAP body MUST contain a **GetKeywordByCriteria** element.

3.8.4.12.1.2 KeywordService_GetKeywordByCriteria_OutputMessage

The **KeywordService_GetKeywordByCriteria_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetKeywordByCriteria_InputMessage** message. The **KeywordService_GetKeywordByCriteria_InputMessage** request message initiates the operation to retrieve a named keyword.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordByCriteriaResponse
```

The SOAP body MUST contain a **GetKeywordByCriteriaResponse** element.

3.8.4.12.1.3

KeywordService_GetKeywordByCriteria_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetKeywordByCriteria_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetKeywordByCriteria_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordByCriteriaAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.12.2 Elements

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

3.8.4.12.2.1 GetKeywordByCriteria

The **GetKeywordByCriteria** element contains input data for a **GetKeywordByCriteria** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetKeywordByCriteria">
```

```

<xsd:complexType>
  <xsd:sequence>
    <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" name="keywordName" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
  </xsd:sequence>
</xsd:complexType>
</xsd:element>

```

filter: If not **null**, a keyword MUST be retrieved only if its name contains this substring or has a search setting whose name contains this substring. If **null**, no filtering is performed.

keywordName: The keyword term. This element MUST be present and it MUST NOT be **null**.

groupId: The identifier of the search setting group in which to retrieve the named keyword. This element MUST be present.

3.8.4.12.2 GetKeywordByCriteriaResponse

The **GetKeywordByCriteriaResponse** element contains result data for an **GetKeywordByCriteria** operation.

The following example specifies the structure of this element.

```

<xsd:element name="GetKeywordByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetKeywordByCriteriaResult" nillable="true"
type="tns:KeywordDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

GetKeywordByCriteriaResult: The elements of the retrieved keyword. This value MUST be **null** if the keyword does not exist or if it does not match the filter criteria.

3.8.4.12.3 Complex Types

None.

3.8.4.12.4 Simple Types

None.

3.8.4.12.5 Attributes

None.

3.8.4.12.6 Groups

None.

3.8.4.12.7 Attribute Groups

None.

3.8.4.13 UpdateKeyword

The **UpdateKeyword** operation updates a keyword on the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="UpdateKeyword">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateKeyword" message="tns:KeywordService_UpdateKeyword_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateKeywordResponse" message="tns:KeywordService_UpdateKeyword_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateKeywordAdminExceptionWCFFault" name="AdminExceptionWCFFault" message="tns:KeywordService_UpdateKeyword_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_UpdateKeyword_InputMessage** request message. The protocol server MUST respond with a **KeywordService_UpdateKeyword_OutputMessage** response message when the operation finishes successfully.

3.8.4.13.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.13.1.1 KeywordService_UpdateKeyword_InputMessage

The **KeywordService_UpdateKeyword_InputMessage** request message initiates the update of the keyword.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateKeyword
```

The SOAP body MUST contain a **UpdateKeyword** element.

3.8.4.13.1.2 KeywordService_UpdateKeyword_OutputMessage

The **KeywordService_UpdateKeyword_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_UpdateKeyword_InputMessage** message. The **KeywordService_UpdateKeyword_InputMessage** request message initiates the update of the keyword.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateKeywordResponse
```

The SOAP body MUST contain a **UpdateKeywordResponse** element.

3.8.4.13.1.3

KeywordService_UpdateKeyword_AdminExceptionWCFFault_FaultMessage

The **KeywordService_UpdateKeyword_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_UpdateKeyword_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateKeywordAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.13.2 Elements

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

3.8.4.13.2.1 UpdateKeyword

The **UpdateKeyword** element contains input data for an **UpdateKeyword** operation.

The following example specifies the structure of this element.

```
<xsd:element name="UpdateKeyword">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keyword" nillable="true" type="tns:KeywordDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

keyword: The elements of the keyword to update. The element MUST be present and it MUST NOT be **null**. The protocol server MUST update the keyword with the values from the **Name** and **Description** elements.

3.8.4.13.2.2 UpdateKeywordResponse

The **UpdateKeywordResponse** element contains result data for an **UpdateKeyword** operation.

The following example specifies the structure of this element.

```
<xsd:element name="UpdateKeywordResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="UpdateKeywordResult" nillable="true"
type="tns:KeywordDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

UpdateKeywordResult: The updated values. The **Id**, **Group**, **Name**, and **Description** elements MUST be the same values as those used in the initiating **UpdateKeyword** element. In addition, the following property MUST be set by the protocol server:

LastChanged: The date and time of the update operation on the protocol server, in UTC.

3.8.4.13.3 Complex Types

None.

3.8.4.13.4 Simple Types

None.

3.8.4.13.5 Attributes

None.

3.8.4.13.6 Groups

None.

3.8.4.13.7 Attribute Groups

None.

3.8.4.14 RemoveKeywordByCriteria

The **RemoveKeywordByCriteria** operation deletes a named keyword from the protocol server. It also deletes the associated search settings of that keyword.

The following example specifies the structure of this operation.

```
<wsdl:operation name="RemoveKeywordByCriteria">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordByCriteria" message="tns:KeywordService_RemoveKeywordByCriteria_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordByCriteriaResponse"
    message="tns:KeywordService_RemoveKeywordByCriteria_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordByCriteriaAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemoveKeywordByCriteria_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_RemoveKeywordByCriteria_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_RemoveKeywordByCriteria_OutputMessage** response message.

3.8.4.14.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.14.1.1 **KeywordService_RemoveKeywordByCriteria_InputMessage**

The **KeywordService_RemoveKeywordByCriteria_InputMessage** request message initiates the operation to remove a keyword.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordByCriteria
```

The SOAP body MUST contain a **RemoveKeywordByCriteria** element.

3.8.4.14.1.2 **KeywordService_RemoveKeywordByCriteria_OutputMessage**

The **KeywordService_RemoveKeywordByCriteria_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveKeywordByCriteria_InputMessage** message. The **KeywordService_RemoveKeywordByCriteria_InputMessage** request message initiates the operation to delete a keyword.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordByCriteriaResponse
```

The SOAP body MUST contain a **RemoveKeywordByCriteriaResponse** element.

3.8.4.14.1.3

KeywordService_RemoveKeywordByCriteria_AdminExceptionWCFFault_FaultMessage

The **KeywordService_RemoveKeywordByCriteria_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveKeywordByCriteria_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordByCriteriaAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.14.2 **Elements**

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

3.8.4.14.2.1 **RemoveKeywordByCriteria**

The **RemoveKeywordByCriteria** element contains input data for a **RemoveKeywordByCriteria** operation.

The following example specifies the structure of this element.


```

<xsd:element name="RemoveKeywordByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordName" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

keywordName: The name of the keyword to delete. The element MUST be present and it MUST NOT be **null**.

groupId: The identifier of the search setting group in which to delete the named keyword.

This protocol server MUST also delete any search settings associated with the deleted keyword.

3.8.4.14.2.2 RemoveKeywordByCriteriaResponse

The **RemoveKeywordByCriteriaResponse** element contains result data for a **RemoveKeywordByCriteria** operation.

The following example specifies the structure of this element.

```

<xsd:element name="RemoveKeywordResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>

```

This element is empty.

3.8.4.14.3 Complex Types

None.

3.8.4.14.4 Simple Types

None.

3.8.4.14.5 Attributes

None.

3.8.4.14.6 Groups

None.

3.8.4.14.7 Attribute Groups

None.

3.8.4.15 RemoveKeywordsByCriteria

The **RemoveKeywordsByCriteria** operation deletes keywords that satisfy certain criteria from a search setting group. This operation also deletes the search settings associated with these keywords.

The following example specifies the structure of this operation.

```
<wsdl:operation name="RemoveKeywordsByCriteria">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordsByCriteria" message="tns:KeywordService_RemoveKeywordsByCriteria_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordsByCriteriaResponse"
    message="tns:KeywordService_RemoveKeywordsByCriteria_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordsByCriteriaAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemoveKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_RemoveKeywordsByCriteria_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_RemoveKeywordsByCriteria_OutputMessage** response message.

3.8.4.15.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.15.1.1 KeywordService_RemoveKeywordsByCriteria_InputMessage

The **KeywordService_RemoveKeywordsByCriteria_InputMessage** request message initiates the removal of all keywords from a search setting group on the protocol server.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordsByCriteria
```

The SOAP body MUST contain a **RemoveKeywordsByCriteria** element.

3.8.4.15.1.2 KeywordService_RemoveKeywordsByCriteria_OutputMessage

The **KeywordService_RemoveKeywordsByCriteria_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveKeywordsByCriteria_InputMessage** message. The **KeywordService_RemoveKeywordsByCriteria_InputMessage** message initiates the operation to delete all keywords from a search setting group.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordsByCriteriaResponse
```

The SOAP body MUST contain a **RemoveKeywordsByCriteriaResponse** element.

3.8.4.15.1.3

KeywordService_RemoveKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage

The

KeywordService_RemoveKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage response message is sent in reply to the request that is initiated by the **KeywordService_RemoveKeywordsByCriteria_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordsByCriteriaAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.15.2 Elements

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

3.8.4.15.2.1 **RemoveKeywordsByCriteria**

The **RemoveKeywordsByCriteria** element contains input data for a **RemoveKeywordsByCriteria** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveKeywordsByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

filter: If not **null**, only the keywords whose term contains this substring or which have search settings whose term contains this substring MUST be deleted. If **null**, no filtering is performed.

groupId: The identifier of the search setting group in which to delete keywords.

This protocol server MUST also delete the search settings that are associated with the deleted keywords.

3.8.4.15.2.2 **RemoveKeywordsByCriteriaResponse**

The **RemoveKeywordsByCriteriaResponse** element contains result data for an **RemoveKeywordsByCriteria** operation.

The following example specifies the structure of this element.

```

<xsd:element name="RemoveKeywordsByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>

```

This element is empty.

3.8.4.15.3 Complex Types

None.

3.8.4.15.4 Simple Types

None.

3.8.4.15.5 Attributes

None.

3.8.4.15.6 Groups

None.

3.8.4.15.7 Attribute Groups

None.

3.8.4.16 CountKeywordsByCriteria

The **CountKeywordsByCriteria** operation counts the number of keywords that satisfy certain criteria in a search setting group.

The following example specifies the structure of this operation.

```

<wsdl:operation name="CountKeywordsByCriteria">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKeywordsByCriteria" message="tns:KeywordService_CountKeywordsByCriteria_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKeywordsByCriteriaResponse"
    message="tns:KeywordService_CountKeywordsByCriteria_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKeywordsByCriteriaAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_CountKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **KeywordService_CountKeywordsByCriteria_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_CountKeywordsByCriteria_OutputMessage** response message.

3.8.4.16.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.16.1.1 KeywordService_CountKeywordsByCriteria_InputMessage

The **KeywordService_CountKeywordsByCriteria_InputMessage** request message initiates the operation to count keywords based on the given criteria.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKeywordsByCriteria
```

The SOAP body MUST contain a **CountKeywordsByCriteria** element.

3.8.4.16.1.2 KeywordService_CountKeywordsByCriteria_OutputMessage

The **KeywordService_CountKeywordsByCriteria_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountKeywordsByCriteria_InputMessage**. The **KeywordService_CountKeywordsByCriteria_InputMessage** request message initiates the operation to count keywords based on the given criteria.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKeywordsByCriteriaResponse
```

The SOAP body MUST contain a **CountKeywordsByCriteriaResponse** element.

3.8.4.16.1.3

KeywordService_CountKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage

The **KeywordService_CountKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountKeywordsByCriteria_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKeywordsByCriteriaAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.16.2 Elements

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

3.8.4.16.2.1 CountKeywordsByCriteria

The **CountKeywordsByCriteria** element contains input data for a **CountKeywordsByCriteria** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CountKeywordsByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

filter: If not **null**, only the keywords whose term contains this substring or which have search settings whose term contains this substring **MUST** be counted. If **null**, no filtering is performed.

groupId: The identifier of the search setting group in which to count keywords.

3.8.4.16.2.2 CountKeywordsByCriteriaResponse

The **CountKeywordsByCriteriaResponse** element contains result data for a **CountKeywordsByCriteria** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CountKeywordsByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CountKeywordsByCriteriaResult" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CountKeywordsByCriteriaResult: The number of keywords that meet the given criteria.

3.8.4.16.3 Complex Types

None.

3.8.4.16.4 Simple Types

None.

3.8.4.16.5 Attributes

None.

3.8.4.16.6 Groups

None.

3.8.4.16.7 Attribute Groups

None.

3.8.4.17 GetKeywordPagedResult

The **GetKeywordPagedResult** operation retrieves a list of keywords from the protocol server. The offset and count parameters enable protocol clients to retrieve batches of keywords from a potentially large result set.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetKeywordPagedResult">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordPagedResult" message="tns:KeywordService_GetKeywordPagedResult_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordPagedResultResponse" message="tns:KeywordService_GetKeywordPagedResult_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordPagedResultAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetKeywordPagedResult_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_GetKeywordPagedResult_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_GetKeywordPagedResult_OutputMessage** response message.

3.8.4.17.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.17.1.1 KeywordService_GetKeywordPagedResult_InputMessage

The **KeywordService_GetKeywordPagedResult_InputMessage** request message initiates the operation to retrieve the list of keywords.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordPagedResult
```

The SOAP body MUST contain a **GetKeywordPagedResult** element.

3.8.4.17.1.2 KeywordService_GetKeywordPagedResult_OutputMessage

The **KeywordService_GetKeywordPagedResult_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetKeywordPagedResult_InputMessage** message. The **KeywordService_GetKeywordPagedResult_InputMessage** request message initiates the operation to retrieve the list of keywords.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordPagedResultResponse
```

The SOAP body MUST contain a **GetKeywordPagedResultResponse** element

3.8.4.17.1.3

KeywordService_GetKeywordPagedResult_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetKeywordPagedResult_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetKeywordPagedResult_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordPagedResult_AdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.17.2 Elements

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

3.8.4.17.2.1 **GetKeywordPagedResult**

The **GetKeywordPagedResult** element contains input data for a **GetKeywordPagedResult** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetKeywordPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="field" type="tns:KeywordSortField"/>
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection"/>
      <xsd:element minOccurs="0" name="offset" type="xsd:int"/>
      <xsd:element minOccurs="0" name="count" type="xsd:int"/>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

groupId: The identifier of the search setting group from which to retrieve keywords.

field: The sort field in the result set.

direction: The sort direction of the sort field.

offset: The number of keywords to skip after sorting the result.

count: The number of keywords to retrieve.

filter: If this value is not **null**, only the keywords whose term contains this substring or which have search settings whose term contains this substring **MUST** be included in the list. If this value is **null**, no filtering is performed.

3.8.4.17.2.2 GetKeywordPagedResultResponse

The **GetKeywordPagedResultResponse** element contains result data for a **GetKeywordPagedResult** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetKeywordPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetKeywordPagedResultResult" nillable="true"
type="tns:ArrayOfKeywordDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetKeywordPagedResult: An array of **KeywordDTO**.

3.8.4.17.3 Complex types

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

3.8.4.17.3.1 ArrayOfKeywordDTO

The **ArrayOfKeywordDTO** complex type contains an array of **KeywordDTO**. This array contains zero, one, or more **keyword** elements.

The following example specifies the structure of this complex type.

```
<xsd:complexType name="ArrayOfKeywordDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="KeywordDTO" nillable="true"
type="tns:KeywordDTO"/>
  </xsd:sequence>
</xsd:complexType>
```

3.8.4.17.4 Simple types

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

3.8.4.17.4.1 KeywordSortField

The following example shows the **KeywordSortField** simple type.

```
<xsd:simpleType name="KeywordSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Term"/>
    <xsd:enumeration value="LastChanged"/>
  </xsd:restriction>
</xsd:simpleType>
```

</xsd:simpleType>

The following table specifies the valid values for **KeywordSortField**.

| Value | Meaning |
|-------------|--|
| Term | Sort the result by keyword term. |
| LastChanged | Sort the result according to the time at which the keyword was last changed. |

3.8.4.17.5 Attributes

None.

3.8.4.17.6 Groups

None.

3.8.4.17.7 Attribute Groups

None.

3.8.4.18 GetNamedContext

The **GetNamedContext** operation retrieves a named search setting context for a search setting group from the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetNamedContext">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContext" message="tns:KeywordService_GetNamedContext_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextResponse" message="tns:KeywordService_GetNamedContext_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetNamedContext_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_GetNamedContext_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_GetNamedContext_OutputMessage** response message.

3.8.4.18.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.18.1.1 KeywordService_GetNamedContext_InputMessage

The **KeywordService_GetNamedContext_InputMessage** request message initiates the retrieval of a named search setting context.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContext
```

The SOAP body MUST contain a **GetNamedContext** element.

3.8.4.18.1.2 KeywordService_GetNamedContext_OutputMessage

The **KeywordService_GetNamedContext_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetNamedContext_InputMessage** message. The **KeywordService_GetNamedContext_InputMessage** request message initiates the operation to retrieve a named search setting context.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextResponse
```

The SOAP body MUST contain a **GetNamedContextResponse** element.

3.8.4.18.1.3

KeywordService_GetNamedContext_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetNamedContext_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetNamedContext_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.18.2 Elements

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

3.8.4.18.2.1 GetNamedContext

The **GetNamedContext** element contains input data for a **GetNamedContext** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetNamedContext">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="contextName" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
```

```
</xsd:element>
```

contextName: The name of the search setting context.

groupId: The group identifier of the search setting context.

3.8.4.18.2.2 GetNamedContextResponse

The **GetNamedContextResponse** element contains result data for a **GetNamedContext** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetNamedContextResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetNamedContextResult" nillable="true"
        type="tns:ContextDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetNamedContextResult: The elements of the named search setting context.

3.8.4.18.3 Complex Types

None.

3.8.4.18.4 Simple Types

None.

3.8.4.18.5 Attributes

None.

3.8.4.18.6 Groups

None.

3.8.4.18.7 Attribute Groups

None.

3.8.4.19 GetNamedContextForSearchSetting

The **GetNamedContextForSearchSetting** operation retrieves a named search setting context for a search setting with a given identifier from the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetNamedContextForSearchSetting">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNam
```

```

edContextForSearchSetting"
message="tns:KeywordService_GetNamedContextForSearchSetting_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNam
edContextForSearchSettingResponse"
message="tns:KeywordService_GetNamedContextForSearchSetting_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNam
edContextForSearchSettingAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_GetNamedContextForSearchSetting_AdminExceptionWCFFault_FaultMessa
ge"/>
</wsdl:operation>

```

The protocol client MUST send a **KeywordService_GetNamedContextForSearchSetting_InputMessage** request message. The protocol server MUST respond with a **KeywordService_GetNamedContextForSearchSetting_OutputMessage** response message when the operation finishes successfully.

3.8.4.19.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.19.1.1 KeywordService_GetNamedContextForSearchSetting_InputMessage

The **KeywordService_GetNamedContextForSearchSetting_InputMessage** request message initiates the operation to retrieve a named search setting context for a search setting.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextForS
earchSetting

```

The SOAP body MUST contain a **GetNamedContextForSearchSetting** element.

3.8.4.19.1.2

KeywordService_GetNamedContextForSearchSetting_OutputMessage

The **KeywordService_GetNamedContextForSearchSetting_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetNamedContextForSearchSetting_InputMessage** message. The **KeywordService_GetNamedContextForSearchSetting_InputMessage** request message initiates the operation to retrieve a named search setting context for a search setting.

The SOAP action value of the response message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/
GetNamedContextForSearchSettingResponse

```

The SOAP body MUST contain a **GetNamedContextForSearchSettingResponse** element.

3.8.4.19.1.3

KeywordService_GetNamedContextForSearchSetting_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetNamedContextForSearchSetting_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetNamedContextForSearchSetting_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextForSearchSetting_AdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.19.2 Elements

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

3.8.4.19.2.1 GetNamedContextForSearchSetting

The **GetNamedContextForSearchSetting** element contains input data for a **GetNamedContextForSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetNamedContextForSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="contextName" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="searchSettingId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

contextName: The name of the search setting context.

searchSettingId: The identifier of the search setting.

3.8.4.19.2.2 GetNamedContextForSearchSettingResponse

The **GetNamedContextForSearchSettingResponse** element contains result data for a **GetNamedContextForSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetNamedContextForSearchSettingResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetNamedContextForSearchSettingResult"
        nillable="true" type="tns:ContextDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```
</xsd:complexType>
</xsd:element>
```

GetNamedContextForSearchSettingResult: The elements of the named search setting context.

3.8.4.19.3 Complex Types

None.

3.8.4.19.4 Simple Types

None.

3.8.4.19.5 Attributes

None.

3.8.4.19.6 Groups

None.

3.8.4.19.7 Attribute Groups

None.

3.8.4.20 AddContext

The **AddContext** operation adds a search setting context to a search setting group on the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="AddContext">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContext"
    message="tns:KeywordService_AddContext_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextResponse"
    message="tns:KeywordService_AddContext_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_AddContext_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_AddContext_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_AddContext_OutputMessage** response message.

3.8.4.20.1 KeywordService_AddContext_InputMessage

The **KeywordService_AddContext_InputMessage** request message initiates the addition of a search setting context to a search setting group.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContext
```

The SOAP body MUST contain an **AddContext** element.

3.8.4.20.2 KeywordService_AddContext_OutputMessage

The **KeywordService_AddContext_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddContext_InputMessage** message. The **KeywordService_AddContext_InputMessage** request message initiates the addition of a search setting context to a search setting group.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextResponse
```

The SOAP body MUST contain an **AddContextResponse** element.

3.8.4.20.3 KeywordService_AddContext_AdminExceptionWCFFault_FaultMessage

The **KeywordService_AddContext_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddContext_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.20.4 Elements

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

3.8.4.20.4.1 AddContext

The **AddContext** element contains input data for an **AddContext** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AddContext">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="context" nillable="true" type="tns:ContextDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```


context: The properties of the search setting context to add. The element **MUST** be present and it **MUST NOT** be **null**. The protocol server **MUST** add the search setting context with the values of its **Group**, **Name** and **Description** elements.

3.8.4.20.4.2 AddContextResponse

The **AddContextResponse** element contains result data for an **AddContext** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AddContextResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="AddContextResult" nillable="true"
type="tns:ContextDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

AddContextResult: The elements of the added search setting context. The **Group**, **Name**, and **Description** elements **MUST** have the same values as those that were used in the **AddContext** element. The protocol server **MUST** enforce the uniqueness of the search setting context name within a search setting group. The following properties **MUST** be set by the protocol server:

lastChanged: The date and time of creation of the search setting context on the protocol server, in UTC.

Id: A unique identifier for the search setting context. This identifier **MUST** be unique across search setting groups.

3.8.4.20.5 Complex Types

None.

3.8.4.20.6 Simple Types

None.

3.8.4.20.7 Attributes

None.

3.8.4.20.8 Groups

None.

3.8.4.20.9 Attribute Groups

None.

3.8.4.21 CountContextsByCriteria

The **CountContextsByCriteria** operation counts the number of search setting contexts in a search setting group that satisfy certain criteria on the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="CountContextsByCriteria">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsByCriteria" message="tns:KeywordService_CountContextsByCriteria_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsByCriteriaResponse"
    message="tns:KeywordService_CountContextsByCriteria_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsByCriteriaAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_CountContextsByCriteria_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_CountContextsByCriteria_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_CountContextsByCriteria_OutputMessage** response message.

3.8.4.21.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.21.1.1 KeywordService_CountContextsByCriteria_InputMessage

The **KeywordService_CountContextsByCriteria_InputMessage** request message initiates the operation to count contexts.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsByCriteria
```

The SOAP body MUST contain a **CountContextsByCriteria** element.

3.8.4.21.1.2 KeywordService_CountContextsByCriteria_OutputMessage

The **KeywordService_CountContextsByCriteria_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountContextsByCriteria_InputMessage** message. The **KeywordService_CountContextsByCriteria_InputMessage** request message initiates the operation to count contexts.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsByCriteriaResponse
```

The SOAP body MUST contain a **CountContextsByCriteriaResponse** element.

3.8.4.21.1.3

KeywordService_CountContextsByCriteria_AdminExceptionWCFFault_FaultMessage

The **KeywordService_CountContextsByCriteria_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountContextsByCriteria_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsByCriteria_AdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.21.2 Elements

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

3.8.4.21.2.1 CountContextsByCriteria

The **CountContextsByCriteria** element contains input data for a **CountContextsByCriteria** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CountContextsByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

filter: If not **null**, only the search setting contexts that have names containing this substring are included in the count. If **null**, no filtering is performed.

groupId: The identifier of the search setting group.

If **filter** is **null**, all search setting contexts in the search setting group MUST be counted by the protocol server.

3.8.4.21.2.2 CountContextsByCriteriaResponse

The **CountContextsByCriteriaResponse** element contains result data for a **CountContextsByCriteria** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CountContextsByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence>
```

```

        <xsd:element minOccurs="0" name="CountContextsByCriteriaResult" type="xsd:int"/>
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

```

CountContextsByCriteriaResult: The number of search setting contexts that match the criteria.

3.8.4.21.3 Complex Types

None.

3.8.4.21.4 Simple Types

None.

3.8.4.21.5 Attributes

None.

3.8.4.21.6 Groups

None.

3.8.4.21.7 Attribute Groups

None.

3.8.4.22 CountContextsForSearchSetting

The **CountContextsForSearchSetting** operation counts the number of search setting contexts for a given search setting on the protocol server.

The following example specifies the structure of this operation.

```

<wsdl:operation name="CountContextsForSearchSetting">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountC
ontextsForSearchSetting"
    message="tns:KeywordService_CountContextsForSearchSetting_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountC
ontextsForSearchSettingResponse"
    message="tns:KeywordService_CountContextsForSearchSetting_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountC
ontextsForSearchSettingAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_CountContextsForSearchSetting_AdminExceptionWCFFault_FaultMessage
"/>
</wsdl:operation>

```

The protocol client MUST send a

KeywordService_CountContextsForSearchSetting_InputMessage request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_CountContextsForSearchSetting_OutputMessage** response message.

3.8.4.22.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.22.1.1 KeywordService_CountContextsForSearchSetting_InputMessage

The **KeywordService_CountContextsForSearchSetting_InputMessage** request message initiates the counting of search setting contexts for a given search setting.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsForSearchSetting
```

The SOAP body MUST contain a **CountContextsForSearchSetting** element.

3.8.4.22.1.2 KeywordService_CountContextsForSearchSetting_OutputMessage

The **KeywordService_CountContextsForSearchSetting_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountContextsForSearchSetting_InputMessage** message. The **KeywordService_CountContextsForSearchSetting_InputMessage** request message initiates the counting of search setting contexts for a given search setting.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsForSearchSettingResponse
```

The SOAP body MUST contain a **CountContextsForSearchSettingResponse** element.

3.8.4.22.1.3

KeywordService_CountContextsForSearchSetting_AdminExceptionWCFFault_FaultMessage

The **KeywordService_CountContextsForSearchSetting_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountContextsForSearchSetting_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsForSearchSettingAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.22.2 Elements

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

3.8.4.22.2.1 CountContextsForSearchSetting

The **CountContextsForSearchSetting** element contains input data for a **CountContextsForSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CountContextsForSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

searchSettingId: The identifier of the search setting.

3.8.4.22.2.2 CountContextsForSearchSettingResponse

The **CountContextsForSearchSettingResponse** element contains result data for a **CountContextsForSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CountContextsForSearchSettingResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CountContextsForSearchSettingResult" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CountContextsForSearchSettingResult: The number of contexts for the search setting.

3.8.4.22.3 Complex Types

None.

3.8.4.22.4 Simple Types

None.

3.8.4.22.5 Attributes

None.

3.8.4.22.6 Groups

None.

3.8.4.22.7 Attribute Groups

None.

3.8.4.23 RemoveNamedContext

The **RemoveNamedContext** operation deletes a named search setting context from the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="RemoveNamedContext">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedContext" message="tns:KeywordService_RemoveNamedContext_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedContextResponse" message="tns:KeywordService_RemoveNamedContext_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedContextAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemoveNamedContext_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_RemoveNamedContext_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_RemoveNamedContext_OutputMessage** response message.

3.8.4.23.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.23.1.1 KeywordService_RemoveNamedContext_InputMessage

The **KeywordService_RemoveNamedContext_InputMessage** request message initiates the operation to delete a named search setting context.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedContext
```

The SOAP body MUST contain a **RemoveNamedContext** element.

3.8.4.23.1.2 KeywordService_RemoveNamedContext_OutputMessage

The **KeywordService_RemoveNamedContext_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveNamedContext_InputMessage** message. The **KeywordService_RemoveNamedContext_InputMessage** request message initiates the operation to delete a named search setting context.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedContextResponse
```

The SOAP body MUST contain a **RemoveNamedContextResponse** element.

3.8.4.23.1.3

KeywordService_RemoveNamedContext_AdminExceptionWCFFault_FaultMessage

The **KeywordService_RemoveNamedContext_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveNamedContext_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedContextAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.23.2 Elements

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

3.8.4.23.2.1 RemoveNamedContext

The **RemoveNamedContext** element contains input data for a **RemoveNamedContext** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveNamedContext">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="contextName" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

contextName: The name of the search setting context to delete.

groupId: The group identifier of the group where the search setting context to delete is found.

3.8.4.23.2.2 RemoveNamedContextResponse

The **RemoveNamedContextResponse** element contains result data for a **RemoveNamedContext** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveNamedContextResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.8.4.23.3 Complex Types

None.

3.8.4.23.4 Simple Types

None.

3.8.4.23.5 Attributes

None.

3.8.4.23.6 Groups

None.

3.8.4.23.7 Attribute Groups

None.

3.8.4.24 RemoveContextsByCriteria

The **RemoveContextsByCriteria** operation deletes all contexts in a group that matches certain criteria from the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="RemoveContextsByCriteria">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextsByCriteria" message="tns:KeywordService_RemoveContextsByCriteria_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextsByCriteriaResponse"
    message="tns:KeywordService_RemoveContextsByCriteria_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextsByCriteriaAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemoveContextsByCriteria_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_RemoveContextsByCriteria_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_RemoveContextsByCriteria_OutputMessage** response message.

3.8.4.24.1 KeywordService_RemoveContextsByCriteria_InputMessage

The **KeywordService_RemoveContextsByCriteria_InputMessage** request message initiates the removal of contexts in a group that matches a given criteria.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextsByCriteria
```

The SOAP body MUST contain a **RemoveContextsByCriteria** element.

3.8.4.24.2 KeywordService_RemoveContextsByCriteria_OutputMessage

The **KeywordService_RemoveContextsByCriteria_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveContextsByCriteria_InputMessage** message to delete the contexts that match a given criteria.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextsByCriteriaResponse
```

The SOAP body MUST contain a **RemoveContextsByCriteriaResponse** element.

3.8.4.24.3

KeywordService_RemoveContextsByCriteria_AdminExceptionWCFFault_FaultMessage

The **KeywordService_RemoveContextsByCriteria_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated with the **KeywordService_RemoveContextsByCriteria_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextsByCriteriaAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.24.4 Elements

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

3.8.4.24.4.1 RemoveContextsByCriteria

The **RemoveContextsByCriteria** element contains input data for a **RemoveContextsByCriteria** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveContextsByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

groupId: The identifier of the group in which the search setting context to delete is found.

filter: If not **null**, the protocol server MUST delete all contexts in the group that contains this substring in the search setting context name. Otherwise, the protocol server MUST delete all contexts in this group.

3.8.4.24.4.2 RemoveContextsByCriteriaResponse

The **RemoveContextsByCriteriaResponse** element contains result data for a **RemoveContextsByCriteria** operation.

The following example specifies the structure of this element.

```
<xsd:element name="RemoveContextsByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.8.4.24.5 Complex Types

None.

3.8.4.24.6 Simple Types

None.

3.8.4.24.7 Attributes

None.

3.8.4.24.8 Groups

None.

3.8.4.24.9 Attribute Groups

None.

3.8.4.25 GetContextsPagedResult

The **GetContextsPagedResult** operation retrieves a list of contexts for a given search setting from the protocol server. The offset and count parameters enable protocol clients to retrieve batches of contexts from a potentially large result set.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetContextsPagedResult">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextsPagedResult" message="tns:KeywordService_GetContextsPagedResult_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextsPagedResultResponse" message="tns:KeywordService_GetContextsPagedResult_OutputMessage"/>
</wsdl:operation>
```

```
<wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextsPagedResultAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_GetContextsPagedResult_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_GetContextsPagedResult_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_GetContextsPagedResult_OutputMessage** response message.

3.8.4.25.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.25.1.1 KeywordService_GetContextsPagedResult_InputMessage

The **KeywordService_GetContextsPagedResult_InputMessage** request message initiates the retrieval of a list of contexts for a search setting.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextsPagedResult
```

The SOAP body MUST contain a **GetContextsPagedResult** element.

3.8.4.25.1.2 KeywordService_GetContextsPagedResult_OutputMessage

The **KeywordService_GetContextsPagedResult_OutputMessage** response message is sent in reply to the request that is initiated with the **KeywordService_GetContextsPagedResult_InputMessage** message to retrieve all contexts.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextsPagedResultResponse
```

The SOAP body MUST contain a **GetContextsPagedResultResponse** element.

3.8.4.25.1.3

KeywordService_GetContextsPagedResult_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetContextsPagedResult_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetContextsPagedResult_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextsPagedResultAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.25.2 Elements

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

3.8.4.25.2.1 GetContextsPagedResult

The **GetContextsPagedResult** element contains input data for a **GetContextsPagedResult** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetContextsPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="field" type="tns:ContextSortField"/>
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection"/>
      <xsd:element minOccurs="0" name="offset" type="xsd:int"/>
      <xsd:element minOccurs="0" name="count" type="xsd:int"/>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="searchSettingId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

groupId: The identifier of the search setting group from which to retrieve contexts.

field: The sort field in the result set.

direction: The sort direction of the sort field.

offset: The number of contexts to skip after sorting the result.

count: The number of contexts to retrieve.

filter: If not **null**, the result MUST be filtered by only including those contexts whose name contains the filter value as a substring. If **null**, no filtering is performed.

searchSettingId: The identifier of the search setting for which to retrieve contexts.

3.8.4.25.2.2 GetContextsPagedResultResponse

The **GetContextsPagedResultResponse** element contains result data for a **GetContextsPagedResult** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetContextsPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetContextsPagedResultResult" nillable="true"
type="tns:ArrayOfContextDTO"/>
    </xsd:sequence>
  </xsd:complexType>
```

```
</xsd:element>
```

GetContextsPagedResultResult: An array of **ContextDTO**.

3.8.4.25.3 Complex Types

None.

3.8.4.25.4 Simple Types

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

3.8.4.25.4.1 ContextSortField

The **ContextSortField** simple type describes which elements an array of **ContextDTO** can be sorted by.

The following example specifies the structure of this simple type.

```
<xsd:simpleType name="ContextSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
  </xsd:restriction>
</xsd:simpleType>
```

The following table specifies the valid values for **ContextSortField**.

| Value | Meaning |
|-------------|---|
| Name | Sort the result according to the name of the search setting context. |
| LastChanged | Sort the result according to the time at which the search setting context was last changed. |

3.8.4.25.5 Attributes

None.

3.8.4.25.6 Groups

None.

3.8.4.25.7 Attribute Groups

None.

3.8.4.26 DetachContextsFromSearchSetting

The **DetachContextsFromSearchSetting** operation detaches all contexts from a search setting on the protocol server.

The following example specifies the structure of this operation.

```

<wsdl:operation name="DetachContextsFromSearchSetting">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachContextsFromSearchSetting"
    message="tns:KeywordService_DetachContextsFromSearchSetting_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachContextsFromSearchSettingResponse"
    message="tns:KeywordService_DetachContextsFromSearchSetting_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachContextsFromSearchSettingAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_DetachContextsFromSearchSetting_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **KeywordService_DetachContextsFromSearchSetting_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_DetachContextsFromSearchSetting_OutputMessage** response message.

3.8.4.26.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.26.1.1 KeywordService_DetachContextsFromSearchSetting_InputMessage

The **KeywordService_DetachContextsFromSearchSetting_InputMessage** request message initiates the detaching of all contexts from a search setting.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachContextsFromSearchSetting
```

The SOAP body MUST contain a **DetachContextsFromSearchSetting** element.

3.8.4.26.1.2 KeywordService_DetachContextsFromSearchSetting_OutputMessage

The **KeywordService_DetachContextsFromSearchSetting_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_DetachContextsFromSearchSettings_InputMessage** message to detach a search setting context from a search setting.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachContextsFromSearchSettingResponse
```

The SOAP body MUST contain a **DetachContextsFromSearchSettingResponse** element.

3.8.4.26.1.3

KeywordService_DetachContextsFromSearchSetting_AdminExceptionWCFFault_FaultMessage

The **KeywordService_DetachContextsFromSearchSetting_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_DetachContextsFromSearchSetting_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachContextsFromSearchSettingAdminExceptionWCFFault
```

3.8.4.26.2 Elements

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

3.8.4.26.2.1 DetachContextsFromSearchSetting

The **DetachContextsFromSearchSetting** element contains input data for a **DetachContextsFromSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="DetachContextsFromSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

searchSettingId: The identifier of the search setting.

3.8.4.26.2.2 DetachContextsFromSearchSettingResponse

The **DetachContextsFromSearchSettingResponse** element contains result data for a **DetachContextsFromSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="DetachContextsFromSearchSettingResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.8.4.26.3 Complex Types

None.

3.8.4.26.4 Simple Types

None.

3.8.4.26.5 Attributes

None.

3.8.4.26.6 Groups

None.

3.8.4.26.7 Attribute Groups

None.

3.8.4.27 DetachNamedContextFromSearchSetting

The **DetachNamedContextFromSearchSetting** operation detaches a named search setting context from a search setting.

The following example specifies the structure of this operation.

```
<wsdl:operation name="DetachNamedContextFromSearchSetting">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
    NamedContextFromSearchSetting"
    message="tns:KeywordService_DetachNamedContextFromSearchSetting_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
    NamedContextFromSearchSettingResponse"
    message="tns:KeywordService_DetachNamedContextFromSearchSetting_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
    NamedContextFromSearchSettingAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_DetachNamedContextFromSearchSetting_AdminExceptionWCFFault_FaultM
    essage"/>
</wsdl:operation>
```

The protocol client MUST send a

KeywordService_DetachNamedContextFromSearchSetting_InputMessage request message.

On successful completion, the protocol server MUST respond with a

KeywordService_DetachNamedContextFromSearchSetting_OutputMessage response message.

3.8.4.27.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.27.1.1

KeywordService_DetachNamedContextFromSearchSetting_InputMessage

The **KeywordService_DetachNamedContextFromSearchSetting_InputMessage** request message initiates the detaching of a named search setting context from a search setting.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachNamedContextFromSearchSetting
```

The SOAP body MUST contain a **DetachNamedContextFromSearchSetting** element.

3.8.4.27.1.2

KeywordService_DetachNamedContextFromSearchSetting_OutputMessage

The **KeywordService_DetachNamedContextFromSearchSetting_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_DetachNamedContextFromSearchSetting_InputMessage** message to detach a named search setting context from a search setting.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachNamedContextFromSearchSettingResponse
```

The SOAP body MUST contain a **DetachNamedContextFromSearchSettingResponse** element.

3.8.4.27.1.3

KeywordService_DetachNamedContextFromSearchSetting_AdminExceptionWCFFault_FaultMessage

The **KeywordService_DetachNamedContextFromSearchSetting_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_DetachNamedContextFromSearchSetting_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachNamedContextFromSearchSettingAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.27.2 Elements

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

3.8.4.27.2.1 DetachNamedContextFromSearchSetting

The **DetachNamedContextFromSearchSetting** element contains input data for a **DetachNamedContextFromSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="DetachNamedContextFromSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="contextName" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

searchSettingId: The identifier of the search setting.

contextName: The name of the search setting context.

groupId: The identifier of the search setting group to which both the search setting and search setting context **MUST** belong.

3.8.4.27.2 DetachNamedContextFromSearchSettingResponse

The **DetachNamedContextFromSearchSettingResponse** element contains result data for a **DetachNamedContextFromSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="DetachNamedContextFromSearchSettingResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

This element is empty.

3.8.4.27.3 Complex Types

None.

3.8.4.27.4 Simple Types

None.

3.8.4.27.5 Attributes

None.

3.8.4.27.6 Groups

None.

3.8.4.27.7 Attribute Groups

None.

3.8.4.28 AttachNamedContextToSearchSetting

The **AttachNamedContextToSearchSetting** operation attaches a named search setting context to a search setting on the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="AttachNamedContextToSearchSetting">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachNamedContextToSearchSetting"
    message="tns:KeywordService_AttachNamedContextToSearchSetting_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachNamedContextToSearchSettingResponse"
    message="tns:KeywordService_AttachNamedContextToSearchSetting_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachNamedContextToSearchSettingAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_AttachNamedContextToSearchSetting_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a

KeywordService_AttachNamedContextToSearchSetting_InputMessage request message. On successful completion, the protocol server MUST respond with a

KeywordService_AttachNamedContextToSearchSetting_OutputMessage response message.

3.8.4.28.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.28.1.1

KeywordService_AttachNamedContextToSearchSetting_InputMessage

The **KeywordService_AttachNamedContextToSearchSetting_InputMessage** request message initiates the attaching of a named search setting context to a search setting.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachedNamedContextToSearchSetting
```

The SOAP body MUST contain an **AttachNamedContextToSearchSetting** element.

3.8.4.28.1.2

KeywordService_AttachNamedContextToSearchSetting_OutputMessage

The **KeywordService_AttachNamedContextToSearchSetting_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AttachNamedContextToSearchSetting_InputMessage** message to attach a named search setting context to a search setting.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachNamedContextToSearchSettingResponse

The SOAP body MUST contain an **AttachNamedContextToSearchSettingResponse** element.

3.8.4.28.1.3

KeywordService_AttachNamedContextToSearchSetting_AdminExceptionWCFFault_FaultMessage

The **KeywordService_AttachNamedContextToSearchSetting_AdminExceptionWCFFault_FaultMessage** message is sent in reply to the request that is initiated by the **KeywordService_AttachNamedContextToSearchSetting_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachNamedContextToSearchSettingAdminExceptionWCFFault

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.28.2 Elements

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

3.8.4.28.2.1 **AttachNamedContextToSearchSetting**

The **AttachNamedContextToSearchSetting** element contains input data for an **AttachNamedContextToSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AttachNamedContextToSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="contextName" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

searchSettingId: The identifier of the search setting.

contextName: The name of the search setting context.

groupId: The identifier of the search setting group to which both the search setting and search setting context MUST belong.

3.8.4.28.2.2 AttachNamedContextToSearchSettingResponse

The **AttachNamedContextToSearchSettingResponse** element contains result data for an **AttachNamedContextToSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AttachNamedContextToSearchSettingResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="AttachNamedContextToSearchSettingResult"
        nillable="true" type="tns:ContextDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

AttachNamedContextToSearchSettingResult: The elements of the search setting context that was attached.

3.8.4.28.3 Complex Types

None.

3.8.4.28.4 Simple Types

None.

3.8.4.28.5 Attributes

None.

3.8.4.28.6 Groups

None.

3.8.4.28.7 Attribute Groups

None.

3.8.4.29 AttachContextToSearchSetting

The **AttachContextToSearchSetting** operation attaches a search setting context with the given identifier to a search setting with the given identifier on the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="AttachContextToSearchSetting">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachContextToSearchSetting"
    message="tns:KeywordService_AttachContextToSearchSetting_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachContextToSearchSettingResponse"
    message="tns:KeywordService_AttachContextToSearchSetting_OutputMessage"/>
</wsdl:operation>
```

```

    <wsdl:fault
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Attach
      ContextToSearchSettingAdminExceptionWCFFault" name="AdminExceptionWCFFault"
      message="tns:KeywordService_AttachContextToSearchSetting_AdminExceptionWCFFault_FaultMessage"
    />
  </wsdl:operation>

```

The protocol client MUST send a **KeywordService_AttachContextToSearchSetting_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_AttachContextToSearchSetting_OutputMessage** response message.

3.8.4.29.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.29.1.1 KeywordService_AttachContextToSearchSetting_InputMessage

The **KeywordService_AttachContextToSearchSetting_InputMessage** request message initiates the attachment of a search setting context to a search setting.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachContextToSearchSetting

```

The SOAP body MUST contain an **AttachContextToSearchSetting** element.

3.8.4.29.1.2 KeywordService_AttachContextToSearchSetting_OutputMessage

The **KeywordService_AttachContextToSearchSetting_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AttachContextToSearchSetting_InputMessage** message to attach a search setting context to a search setting.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachContextToSearchSettingResponse

```

The SOAP body MUST contain an **AttachContextToSearchSettingResponse** element.

3.8.4.29.1.3

KeywordService_AttachContextToSearchSetting_AdminExceptionWCFFault_FaultMessage

The **KeywordService_AttachContextToSearchSetting_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AttachContextToSearchSetting_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachContextToSearchSettingAdminExceptionWCFFault

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.29.2 Elements

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

3.8.4.29.2.1 AttachContextToSearchSetting

The **AttachContextToSearchSetting** element contains input data for an **AttachContextToSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AttachContextToSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="contextId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

searchSettingId: The identifier of the search setting.

contextId: The identifier of the search setting context.

3.8.4.29.2.2 AttachContextToSearchSettingResponse

The **AttachContextToSearchSettingResponse** element contains result data for an **AttachContextToSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AttachContextToSearchSettingResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
name ="AttachContextToSearchSettingResult" type="xsd:dateTime" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

AttachContextToSearchSettingResult: The date and time at which the search setting was last modified.

3.8.4.29.3 Complex Types

None.

3.8.4.29.4 Simple Types

None.

3.8.4.29.5 Attributes

None.

3.8.4.29.6 Groups

None.

3.8.4.29.7 Attribute Groups

None.

3.8.4.30 UpdateContext

The **UpdateContext** operation updates an existing search setting context on the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="UpdateContext">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateContext" message="tns:KeywordService_UpdateContext_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateContextResponse" message="tns:KeywordService_UpdateContext_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateContextAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_UpdateContext_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_UpdateContext_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_UpdateContext_OutputMessage** response message.

3.8.4.30.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.30.1.1 KeywordService_UpdateContext_InputMessage

The **KeywordService_UpdateContext_InputMessage** request message initiates the operation to update an existing search setting context.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateContext
```

The SOAP body MUST contain an **UpdateContext** element.

3.8.4.30.1.2 KeywordService_UpdateContext_OutputMessage

The **KeywordService_UpdateContext_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_UpdateContext_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateContextResponse
```

The SOAP body MUST contain an **UpdateContextResponse** element.

3.8.4.30.1.3

KeywordService_UpdateContext_AdminExceptionWCFFault_FaultMessage

The **KeywordService_UpdateContext_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_UpdateContext_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateContextAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.30.2 Elements

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

3.8.4.30.2.1 UpdateContext

The **UpdateContext** element contains input data for an **UpdateContext** operation.

The following example specifies the structure of this element.

```
<xsd:element name="UpdateContext">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="context" nillable="true" type="tns:ContextDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

context: The elements of the search setting context to be updated. The protocol server MUST update the search setting context with the values from the **Name** and **Description** elements.

3.8.4.30.2.2 UpdateContextResponse

The **UpdateContextResponse** element contains result data for an **UpdateContext** operation.

The following example specifies the structure of this element.

```

<xsd:element name="UpdateContextResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="UpdateContextResult" nillable="true"
type="tns:ContextDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

UpdateContextResult: The elements of the search setting context that was updated. The **Name**, **Description** and **Group** elements MUST have the same values as those in the **UpdateContext** element. The protocol server MUST set the **lastChanged** element to the date and time of the update operation, in UTC.

3.8.4.30.3 Complex Types

None.

3.8.4.30.4 Simple Types

None.

3.8.4.30.5 Attributes

None.

3.8.4.30.6 Groups

None.

3.8.4.30.7 Attribute Groups

None.

3.8.4.31 DetachContextFromSearchSetting

The **DetachContextFromSearchSetting** operation detaches a context from a search setting on the protocol server.

The following example specifies the structure of this operation.

```

<wsdl:operation name="DetachContextFromSearchSetting">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextFromSearchSetting"
message="tns:KeywordService_DetachContextFromSearchSetting_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextFromSearchSettingResponse"
message="tns:KeywordService_DetachContextFromSearchSetting_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextFromSearchSettingAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_DetachContextFromSearchSetting_AdminExceptionWCFFault_FaultMessag
e"/>

```

</wsdl:operation>

The protocol client MUST send a

KeywordService_DetachContextFromSearchSetting_InputMessage request message. On successful completion, the protocol server MUST respond with a **KeywordService_DetachContextFromSearchSetting_OutputMessage** response message.

3.8.4.31.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.31.1.1 KeywordService_DetachContextFromSearchSetting_InputMessage

The **KeywordService_DetachContextFromSearchSetting_InputMessage** request message initiates the detaching of a search setting context from a search setting.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachContextFromSearchSetting
```

The SOAP body MUST contain a **DetachContextFromSearchSetting** element.

3.8.4.31.1.2 KeywordService_DetachContextFromSearchSetting_OutputMessage

The **KeywordService_DetachContextFromSearchSetting_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_DetachContextFromSearchSetting_InputMessage**.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachContextFromSearchSettingResponse
```

The SOAP body MUST contain a **DetachContextFromSearchSettingResponse** element.

3.8.4.31.1.3

KeywordService_DetachContextFromSearchSetting_AdminExceptionWCFFault_FaultMessage

The

KeywordService_DetachContextFromSearchSetting_AdminExceptionWCFFault_FaultMessage response message is sent in reply to the request that is initiated by the **KeywordService_DetachContextFromSearchSetting_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachContextFromSearchSettingAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.31.2 Elements

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

3.8.4.31.2.1 DetachContextFromSearchSetting

The **DetachContextFromSearchSetting** element contains input data for a **DetachContextFromSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="DetachContextFromSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="contextId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

searchSettingId: The identifier of the search setting.

contextId: The identifier of the search setting context.

3.8.4.31.2.2 DetachContextFromSearchSettingResponse

The **DetachContextFromSearchSettingResponse** element contains result data for a **DetachContextFromSearchSetting** operation.

The following example specifies the structure of this element.

```
<xsd:element name="DetachContextFromSearchSettingResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="DetachContextFromSearchSettingResult"
type="xsd:dateTime" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

DetachContextFromSearchSettingResult: The date and time at which the search setting was last modified, in UTC.

3.8.4.31.3 Complex Types

None.

3.8.4.31.4 Simple Types

None.

3.8.4.31.5 Attributes

None.

3.8.4.31.6 Groups

None.

3.8.4.31.7 Attribute Groups

None.

3.8.4.32 AddSynonym

The **AddSynonym** operation adds a synonym to a keyword on the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="AddSynonym">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSynonym" message="tns:KeywordService_AddSynonym_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSynonymResponse" message="tns:KeywordService_AddSynonym_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSynonymAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_AddSynonym_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_AddSynonym_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_AddSynonym_OutputMessage** response message.

3.8.4.32.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.32.1.1 KeywordService_AddSynonym_InputMessage

The **KeywordService_AddSynonym_InputMessage** request message initiates the addition of a synonym.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSynonym
```

The SOAP body MUST contain an **AddSynonym** element.

3.8.4.32.1.2 KeywordService_AddSynonym_OutputMessage

The **KeywordService_AddSynonym_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddSynonym_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSynonymResponse
```

The SOAP body MUST contain an **AddSynonymResponse** element.

3.8.4.32.1.3

KeywordService_AddSynonym_AdminExceptionWCFFault_FaultMessage

The **KeywordService_AddSynonym_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddSynonym_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSynonymAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.32.2 Elements

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

3.8.4.32.2.1 AddSynonym

The **AddSynonym** element contains input data for an **AddSynonym** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AddSynonym">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="synonym" nillable="true" type="tns:SynonymDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

synonym: The properties of the synonym to add.

3.8.4.32.2.2 AddSynonymResponse

The **AddSynonymResponse** element contains result data for an **AddSynonym** operation.

The following example specifies the structure of this element.

```
<xsd:element name="AddSynonymResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="AddSynonymResult" nillable="true"
type="tns:SynonymDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

AddSynonymResult: The elements of the added synonym. The elements MUST have the same values as those in the **AddSynonym** element that initiated this operation. The protocol server MUST

ensure the uniqueness of the synonym term for the keyword. In addition, the following properties MUST be set by the protocol server:

lastChanged: The date and time of creation of the group on the protocol server, in UTC.

Id: A unique identifier for the synonym. This identifier MUST be unique across search setting groups.

3.8.4.32.3 Complex Types

None.

3.8.4.32.4 Simple Types

None.

3.8.4.32.5 Attributes

None.

3.8.4.32.6 Groups

None.

3.8.4.32.7 Attribute Groups

None.

3.8.4.33 GetSynonymPagedResult

The **GetSynonymPagedResult** operation retrieves a list of synonyms for a given keyword from the protocol server. The offset and count parameters enable protocol clients to retrieve batches of synonyms from a potentially large result set.

The following example specifies the structure of this operation.

```
<wsdl:operation name="GetSynonymPagedResult">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSynonymPagedResult" message="tns:KeywordService_GetSynonymPagedResult_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSynonymPagedResultResponse" message="tns:KeywordService_GetSynonymPagedResult_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSynonymPagedResultAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetSynonymPagedResult_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_GetSynonymPagedResult_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_GetSynonymPagedResult_OutputMessage** response message.

3.8.4.33.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.33.1.1 **KeywordService_GetSynonymPagedResult_InputMessage**

The **KeywordService_GetSynonymPagedResult_InputMessage** request message initiates the retrieval.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSynonymPagedResult
```

The SOAP body MUST contain a **GetSynonymPagedResult** element.

3.8.4.33.1.2 **KeywordService_GetSynonymPagedResult_OutputMessage**

The **KeywordService_GetSynonymPagedResult_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetSynonymPagedResult_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSynonymPagedResultResponse
```

The SOAP body MUST contain a **GetSynonymPagedResultResponse** element.

3.8.4.33.1.3

KeywordService_GetSynonymPagedResult_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetSynonymPagedResult_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetSynonymPagedResult_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSynonymPagedResultAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.33.2 **Elements**

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

3.8.4.33.2.1 **GetSynonymPagedResult**

The **GetSynonymPagedResult** element contains input data for a **GetSynonymPagedResult** operation.

The following example specifies the structure of this element.

```
<xsd:element name="GetSynonymPagedResult">
```

```

<xsd:complexType>
  <xsd:sequence>
    <xsd:element minOccurs="0" name="keywordId" type="xsd:long"/>
    <xsd:element minOccurs="0" name="field" type="tns:SynonymSortField"/>
    <xsd:element minOccurs="0" name="direction" type="tns:SortDirection"/>
    <xsd:element minOccurs="0" name="offset" type="xsd:int"/>
    <xsd:element minOccurs="0" name="count" type="xsd:int"/>
    <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
</xsd:element>

```

keywordId: The identifier of the keyword from which to retrieve synonyms.

field: The sort field in the result set.

direction: The sort direction of the sort field.

offset: The number of synonyms to skip after sorting the result.

count: The number of synonyms to retrieve.

filter: If not **null**, only the synonyms for the keyword whose term contains this substring **MUST** be included. If **null**, no filtering is performed.

3.8.4.33.2 GetSynonymPagedResultResponse

The **GetSynonymPagedResultResponse** element contains result data for a **GetSynonymPagedResult** operation.

The following example specifies the structure of this element.

```

<xsd:element name="GetSynonymPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetSynonymPagedResultResult" nillable="true"
type="tns:ArrayOfSynonymDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

GetSynonymPagedResultResult: An array of **SynonymDTO** elements.

3.8.4.33.3 Complex Types

None.

3.8.4.33.4 Simple Types

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

3.8.4.33.4.1 SynonymSortField

The following example shows the **SynonymSortField** type.

```

<xsd:simpleType name="SynonymSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
    <xsd:enumeration value="StartDate" />
    <xsd:enumeration value="EndDate" />
    <xsd:enumeration value="Term">
      <xsd:annotation>
        <xsd:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">7</EnumerationValue>
        </xsd:appinfo>
      </xsd:annotation>
    </xsd:enumeration>
  </xsd:restriction>
</xsd:simpleType>

```

The following table specifies the valid values for **SynonymSortField**.

| Value | Meaning |
|-------------|---|
| Name | Sort the result according to the name of each synonym. |
| LastChanged | Sort the result by the time at which the result elements of each synonym were last changed. |
| StartDate | Sort the result by the start date of each synonym. |
| EndDate | Sort the result by the end date of each synonym. |
| Term | Sort the result according to the term of each synonym. |

3.8.4.33.4.2 ArrayOfSynonymDTO

The **ArrayOfSynonymDTO** complex type contains an array of **SynonymDTO**. This array contains zero, one, or more synonym elements.

The following example specifies the structure of this complex type.

```

<xsd:complexType name="ArrayOfSynonymDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="SynonymDTO" nillable="true"
type="tns:SynonymDTO" />
  </xsd:sequence>
</xsd:complexType>

```

3.8.4.33.5 Attributes

None.

3.8.4.33.6 Groups

None.

3.8.4.33.7 Attribute Groups

None.

3.8.4.34 CountSearchSettingsByCriteria

The **CountSearchSettingsByCriteria** operation counts search settings of a given type for a specific keyword that satisfies certain criteria on the protocol server. This operation is shown in the following example.

```
<wsdl:operation name="CountSearchSettingsByCriteria">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsByCriteria"
    message="tns:KeywordService_CountSearchSettingsByCriteria_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsByCriteriaResponse"
    message="tns:KeywordService_CountSearchSettingsByCriteria_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsByCriteriaAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_CountSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a

KeywordService_CountSearchSettingsByCriteria_InputMessage request message. On successful completion, the protocol server MUST respond with a

KeywordService_CountSearchSettingsByCriteria_OutputMessage response message.

3.8.4.34.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.34.1.1 KeywordService_CountSearchSettingsByCriteria_InputMessage

The **KeywordService_CountSearchSettingsByCriteria_InputMessage** request message initiates the counting of search settings.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsByCriteria
```

The SOAP body MUST contain a **CountSearchSettingsByCriteria** element.

3.8.4.34.1.2 KeywordService_CountSearchSettingsByCriteria_OutputMessage

The **KeywordService_CountSearchSettingsByCriteria_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountSearchSettingsByCriteria_InputMessage** message to count search settings of a given type.

The SOAP action value of the message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsByCriteriaResponse`

The SOAP body MUST contain a **CountSearchSettingsByCriteriaResponse** element.

3.8.4.34.1.3

KeywordService_CountSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage

The **KeywordService_CountSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountSearchSettingsByCriteria_InputMessage**. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsByCriteriaAdminExceptionWCFFault`

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.34.2 Elements

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

3.8.4.34.2.1 CountSearchSettingsByCriteria

The **CountSearchSettingsByCriteria** element contains input data for a **CountSearchSettingsByCriteria** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CountSearchSettingsByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType"/>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

keywordId: The identifier of the keyword. This element MUST be present.

type: The search setting type. This element MUST be present.

filter: If not **null**, only the search settings whose name contains this substring are counted. If **null**, no filtering is performed.

3.8.4.34.2.2 CountSearchSettingsByCriteriaResponse

The **CountSearchSettingsByCriteriaResponse** element contains result data for a **CountSearchSettingsByCriteria** operation.

The following example specifies the structure of this element.

```
<xsd:element name="CountSearchSettingsByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CountSearchSettingsByCriteriaResult" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CountSearchSettingsByCriteriaResult: The number of search settings that match the criteria.

3.8.4.34.3 Complex Types

None.

3.8.4.34.4 Simple Types

None.

3.8.4.34.5 Attributes

None.

3.8.4.34.6 Groups

None.

3.8.4.34.7 Attribute Groups

None.

3.8.4.35 UpdateSearchSetting

The **UpdateSearchSetting** operation updates a search setting on the protocol server.

The following example specifies the structure of this operation.

```
<wsdl:operation name="UpdateSearchSetting">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSetting" message="tns:KeywordService_UpdateSearchSetting_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSettingResponse" message="tns:KeywordService_UpdateSearchSetting_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSettingAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_UpdateSearchSetting_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_UpdateSearchSetting_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_UpdateSearchSetting_OutputMessage** response message.

3.8.4.35.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.35.1.1 KeywordService_UpdateSearchSetting_InputMessage

The **KeywordService_UpdateSearchSetting_InputMessage** request message initiates the update.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSetting
```

The SOAP body MUST contain an **UpdateSearchSetting** element.

3.8.4.35.1.2 KeywordService_UpdateSearchSetting_OutputMessage

The **KeywordService_UpdateSearchSetting_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_UpdateSearchSetting_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSetting  
Response
```

The SOAP body MUST contain an **UpdateSearchSettingResponse** element.

3.8.4.35.1.3

KeywordService_UpdateSearchSetting_AdminExceptionWCFFault_FaultMessage

The **KeywordService_UpdateSearchSetting_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_UpdateSearchSetting_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSetting  
AdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.35.2 Elements

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

3.8.4.35.2.1 UpdateSearchSetting

The **UpdateSearchSetting** element contains input data for an **UpdateSearchSetting** operation.

```
<xsd:element name="UpdateSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSetting" nillable="true"
type="tns:SearchSettingDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

searchSetting: The elements of the search setting to update. This element **MUST** be present, it **MUST** not be **null** and it **MUST** contain the following elements:

Id: The identifier of the search setting.

Name: The name of the search setting.

Group: The search setting group of the search setting. The **Id** element of the search setting group **MUST** contain the identifier of an existing search setting group.

keyword: The keyword to which the search setting is associated. The **Id** element of the keyword **MUST** contain the identifier of an existing keyword.

The protocol server **MUST** update the search setting that is identified by the **Id** element with the **Name**, **Description**, **ValidTo**, **ValidFrom**, and keyword values in addition to the elements specified in the following table, depending on the type of search setting that is being updated.

| Search setting type | Element |
|------------------------------|--|
| Synonym | Term ExpansionType |
| Featured content Best bet | Position Teaser TeaserContentType Uri |
| Promotion | BoostValue |

3.8.4.35.2.2 UpdateSearchSettingResponse

The **UpdateSearchSettingResponse** element contains result data for an **UpdateSearchSetting** operation.

```
<xsd:element name="UpdateSearchSettingResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="UpdateSearchSettingResult" nillable="true"
type="tns:SearchSettingDTO"/>
    </xsd:sequence>
  </xsd:complexType>
```


</xsd:element>

UpdateSearchSettingResult: The values of the updated group. The values MUST be the same as in the **SearchSettingDTO** used to update the search setting, except **LastUpdated** which MUST be the date and time of when the search setting was updated, in UTC.

3.8.4.35.3 Complex Types

None.

3.8.4.35.4 Simple Types

None.

3.8.4.35.5 Attributes

None.

3.8.4.35.6 Groups

None.

3.8.4.35.7 Attribute Groups

None.

3.8.4.36 ContainsSearchSettingByCriteria

The **ContainsSearchSettingByCriteria** operation checks whether a keyword on the protocol server contains a named search setting of a given type with a certain criterion.

```
<wsdl:operation name="ContainsSearchSettingByCriteria">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteria"
    message="tns:KeywordService_ContainsSearchSettingByCriteria_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteriaResponse"
    message="tns:KeywordService_ContainsSearchSettingByCriteria_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteriaAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_ContainsSearchSettingByCriteria_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_ContainsSearchSettingByCriteria_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_ContainsSearchSettingByCriteria_OutputMessage** response message.

3.8.4.36.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.36.1.1 KeywordService_ContainsSearchSettingByCriteria_InputMessage

The **KeywordService_ContainsSearchSettingByCriteria_InputMessage** request message initiates the operation to make a containment check.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteria
```

The SOAP body MUST contain a **ContainsSearchSettingByCriteria** element.

3.8.4.36.1.2 KeywordService_ContainsSearchSettingByCriteria_OutputMessage

The **KeywordService_ContainsSearchSettingByCriteria_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_ContainsSearchSettingByCriteria_InputMessage** message to check for search setting containment.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteriaResponse
```

The SOAP body MUST contain a **ContainsSearchSettingByCriteriaResponse** element.

3.8.4.36.1.3

KeywordService_ContainsSearchSettingByCriteria_AdminExceptionWCFFault_FaultMessage

The response message is sent in reply to the request that is initiated by the **KeywordService_ContainsSearchSetting_InputMessage** message. This response message MUST be returned by the protocol server when something goes wrong.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteriaAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.36.2 Elements

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

3.8.4.36.2.1 ContainsSearchSettingByCriteria

The **ContainsSearchSettingByCriteria** element contains input data for a **ContainsSearchSettingByCriteria** operation.

```
<xsd:element name="ContainsSearchSettingByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingName" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```

        <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

searchSettingName: The name of the search setting.

keywordId: Identifier of the keyword.

type: The search setting type.

3.8.4.36.2.2 ContainsSearchSettingByCriteriaResponse

The **ContainsSearchSettingByCriteriaResponse** element contains result data for a **ContainsSearchSettingByCriteria** operation.

```

<xsd:element name="ContainsSearchSettingByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsSearchSettingByCriteriaResult"
type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

ContainsSearchSettingByCriteriaResult: The value is **true** if the **keyword** contains a search setting with the given type and criteria; otherwise, the value is **false**.

3.8.4.36.3 Complex Types

None.

3.8.4.36.4 Simple Types

None.

3.8.4.36.5 Attributes

None.

3.8.4.36.6 Groups

None.

3.8.4.36.7 Attribute Groups

None.

3.8.4.37 ContainsSearchSettingById

The **ContainsSearchSettingById** operation checks whether a search setting group contains a search setting with a given identifier. Additionally, this operation optionally checks whether the search setting is associated with a given search setting context.

```

<wsdl:operation name="ContainsSearchSettingById">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingById" message="tns:KeywordService_ContainsSearchSettingById_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByIdResponse"
    message="tns:KeywordService_ContainsSearchSettingById_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByIdAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_ContainsSearchSettingById_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **KeywordService_ContainsSearchSettingById_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_ContainsSearchSettingById_OutputMessage** response message.

3.8.4.37.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.37.1.1 KeywordService_ContainsSearchSettingById_InputMessage

The **ContainsSearchSettingByCriteriaResponse** request message initiates the containment check.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingById

```

The SOAP body MUST contain a **ContainsSearchSettingById** element.

3.8.4.37.1.2 KeywordService_ContainsSearchSettingById_OutputMessage

The **KeywordService_ContainsSearchSettingById_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_ContainsSearchSettingById_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByIdResponse

```

The SOAP body MUST contain a **ContainsSearchSettingByIdResponse** element.

3.8.4.37.1.3

KeywordService_ContainsSearchSettingById_AdminExceptionWCFFault_FaultMessage

The **KeywordService_ContainsSearchSettingById_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the

KeywordService_ContainsSearchSettingById_InputMessage message. The protocol server MUST respond with this message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByIdAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.37.2 Elements

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

3.8.4.37.2.1 ContainsSearchSettingById

The **ContainsSearchSettingById** element contains input data for a **ContainsSearchSettingById** operation.

```
<xsd:element name="ContainsSearchSettingById">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="contextId" nillable="true" type="xsd:long"
    />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

searchSettingId: The identifier of the search setting.

contextId: The identifier of a search setting context or **null**. If not **null**, the protocol server MUST additionally verify whether the search setting is associated with the search setting context.

3.8.4.37.2.2 ContainsSearchSettingByIdResponse

The **ContainsSearchSettingByIdResponse** element contains result data for a **ContainsSearchSettingById** operation.

```
<xsd:element name="ContainsSearchSettingByIdResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsSearchSettingByIdResult" type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ContainsSearchSettingByIdResult: The value is **true** if the search setting group contains a search setting with the given identifier; otherwise, the value is **false**. If a search setting context identifier is specified in the request, the result MUST be **true** if the search setting is associated with the search setting context.

3.8.4.37.3 Complex Types

None.

3.8.4.37.4 Simple Types

None.

3.8.4.37.5 Attributes

None.

3.8.4.37.6 Groups

None.

3.8.4.37.7 Attribute Groups

None.

3.8.4.38 RemoveSearchSettingsByCriteria

The **RemoveSearchSettingsByCriteria** operation deletes a search setting that satisfies a certain criteria.

```
<wsdl:operation name="RemoveSearchSettingsByCriteria">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteria"
    message="tns:KeywordService_RemoveSearchSettingsByCriteria_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteriaResponse"
    message="tns:KeywordService_RemoveSearchSettingsByCriteria_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteriaAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemoveSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a

KeywordService_RemoveSearchSettingsByCriteria_InputMessage request message. On successful completion, the protocol server MUST respond with a **KeywordService_RemoveSearchSettingsByCriteria_OutputMessage** response message.

3.8.4.38.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.38.1.1 KeywordService_RemoveSearchSettingsByCriteria_InputMessage

The **KeywordService_RemoveSearchSettingsByCriteria_InputMessage** request message initiates the removal of the search settings criteria.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteria
```

The SOAP body MUST contain a **RemoveSearchSettingsByCriteria** element.

3.8.4.38.1.2 KeywordService_RemoveSearchSettingsByCriteria_OutputMessage

The **KeywordService_RemoveSearchSettingsByCriteria_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveSearchSettingsByCriteria_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteriaResponse
```

The SOAP body MUST contain a **RemoveSearchSettingsByCriteriaResponse** element.

3.8.4.38.1.3

KeywordService_RemoveSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage

The **KeywordService_RemoveSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveSearchSettingsByCriteria_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteriaAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.38.2 Elements

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

3.8.4.38.2.1 RemoveSearchSettingsByCriteria

The **RemoveSearchSettingsByCriteria** element contains input data for a **RemoveSearchSettingsByCriteria** operation.

```
<xsd:element name="RemoveSearchSettingsByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType"/>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
```

```
</xsd:element>
```

keywordId: The identifier of the **keyword** from which to delete search settings. This element MUST be present and it MUST be the identifier of an existing search setting.

type: The type of the search settings to delete. This element MUST be present.

filter: If this value is not **null**, only the search settings whose name contains this substring are deleted. If this value is **null**, no filtering is performed.

3.8.4.38.2.2 RemoveSearchSettingsByCriteriaResponse

The **RemoveSearchSettingsByCriteriaResponse** element contains result data for a **RemoveSearchSettingsByCriteria** operation.

```
<xsd:element name="RemoveSearchSettingsByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.8.4.38.3 Complex Types

None.

3.8.4.38.4 Simple Types

None.

3.8.4.38.5 Attributes

None.

3.8.4.38.6 Groups

None.

3.8.4.38.7 Attribute Groups

None.

3.8.4.39 RemoveSearchSetting

The **RemoveSearchSetting** operation deletes a search setting from the protocol server.

```
<wsdl:operation name="RemoveSearchSetting">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSetting" message="tns:KeywordService_RemoveSearchSetting_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingResponse" message="tns:KeywordService_RemoveSearchSetting_OutputMessage"/>
</wsdl:operation>
```



```
<wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_RemoveSearchSetting_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_RemoveSearchSetting_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_RemoveSearchSetting_OutputMessage** response message.

3.8.4.39.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.39.1.1 KeywordService_RemoveSearchSetting_InputMessage

The **KeywordService_RemoveSearchSetting_InputMessage** request message initiates the removal of the search setting.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSetting
```

The SOAP body MUST contain a **RemoveSearchSetting** element.

3.8.4.39.1.2 KeywordService_RemoveSearchSetting_OutputMessage

The **KeywordService_RemoveSearchSetting_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveSearchSetting_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSetting
Response
```

The SOAP body MUST contain a **RemoveSearchSettingResponse** element.

3.8.4.39.1.3

KeywordService_RemoveSearchSetting_AdminExceptionWCFFault_FaultMessage

The **KeywordService_RemoveSearchSetting_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveSearchSetting_InputMessage** message. The protocol server MUST return this message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSetting
AdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.39.2 Elements

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

3.8.4.39.2.1 RemoveSearchSetting

The **RemoveSearchSetting** element contains input data for a **RemoveSearchSetting** operation.

```
<xsd:element name="RemoveSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

searchSettingId: The identifier of the search setting to delete.

3.8.4.39.2.2 RemoveSearchSettingResponse

The **RemoveSearchSettingResponse** element contains result data for a **RemoveSearchSetting** operation.

```
<xsd:element name="RemoveSearchSettingResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RemoveSearchSettingResult" type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RemoveSearchSettingResult: The value is **true** if the search setting is deleted. Otherwise, the value is **false** if the search setting does not exist.

3.8.4.39.3 Complex Types

None.

3.8.4.39.4 Simple Types

None.

3.8.4.39.5 Attributes

None.

3.8.4.39.6 Groups

None.

3.8.4.39.7 Attribute Groups

None.

3.8.4.40 RemoveSearchSettingsFromGroupByCriteria

The **RemoveSearchSettingsFromGroupByCriteria** operation removes any search settings that satisfy a certain criterion.

```
<wsdl:operation name="RemoveSearchSettingsFromGroupByCriteria">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsFromGroupByCriteria"
    message="tns:KeywordService_RemoveSearchSettingsFromGroupByCriteria_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsFromGroupByCriteriaResponse"
    message="tns:KeywordService_RemoveSearchSettingsFromGroupByCriteria_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsFromGroupByCriteriaAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemoveSearchSettingsFromGroupByCriteria_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a

KeywordService_RemoveSearchSettingsFromGroupByCriteria_InputMessage request message. On successful completion, the protocol server MUST respond with a **KeywordService_RemoveSearchSettingsFromGroupByCriteria_OutputMessage** response message.

3.8.4.40.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.40.2

KeywordService_RemoveSearchSettingsFromGroupByCriteria_InputMessage

The **KeywordService_RemoveSearchSettingsFromGroupByCriteria_InputMessage** request message initiates the removal of the search settings.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsFromGroupByCriteria
```

The SOAP body MUST contain a **RemoveSearchSettingsFromGroupByCriteria** element.

3.8.4.40.3

KeywordService_RemoveSearchSettingsFromGroupByCriteria_OutputMessage

The **KeywordService_RemoveSearchSettingsFromGroupByCriteria_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveSearchSettingsFromGroupByCriteria_InputMessage** message. The **KeywordService_RemoveSearchSettingsFromGroupByCriteria_InputMessage** request message initiates the operation to remove search settings.

The SOAP action value of the message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsFromGroupByCriteriaResponse`

The SOAP body MUST contain a **RemoveSearchSettingsFromGroupByCriteriaResponse** element.

3.8.4.40.3.1

KeywordService_RemoveSearchSettingsFromGroupByCriteria_AdminExceptionWCFFault_FaultMessage

The response message is sent in reply to the request that is initiated by the **KeywordService_RemoveSearchSettingsFromGroupByCriteria_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsFromGroupByCriteriaAdminExceptionWCFFault`

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.40.4 Elements

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

3.8.4.40.4.1 RemoveSearchSettingsFromGroupByCriteria

The **RemoveSearchSettingsFromGroupByCriteria** element contains input data for a **RemoveSearchSettingsFromGroupByCriteria** operation.

```
<xsd:element name="RemoveSearchSettingsFromGroupByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType"/>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="global" type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

groupId: The identifier of the group from which to delete search settings.

type: The type of the search settings to delete.

filter: If not **null**, only the search settings whose term contains this substring MUST be deleted. If **null**, no filtering is performed.

global: If **true**, the search settings that are not associated with a keyword MUST also be deleted.

3.8.4.40.4.2 RemoveSearchSettingsFromGroupByCriteriaResponse

The **RemoveSearchSettingsFromGroupByCriteria** element contains result data for a **RemoveSearchSettingsFromGroupByCriteria** operation.

```
<xsd:element name="RemoveSearchSettingsFromGroupByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.8.4.40.5 Complex Types

None.

3.8.4.40.6 Simple Types

None.

3.8.4.40.7 Attributes

None.

3.8.4.40.8 Groups

None.

3.8.4.40.9 Attribute Groups

None.

3.8.4.41 RemoveNamedSearchSettingByType

The **RemoveNamedSearchSettingByType** operation deletes a named search setting of the specified type from the protocol server.

```
<wsdl:operation name="RemoveNamedSearchSettingByType">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
    NamedSearchSettingByType"
    message="tns:KeywordService_RemoveNamedSearchSettingByType_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
    NamedSearchSettingByTypeResponse"
    message="tns:KeywordService_RemoveNamedSearchSettingByType_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
    NamedSearchSettingByTypeAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemoveNamedSearchSettingByType_AdminExceptionWCFFault_FaultMessag
    e"/>
</wsdl:operation>
```

The protocol client MUST send a

KeywordService_RemoveNamedSearchSettingByType_InputMessage request message. On successful completion, the protocol server MUST respond with a **KeywordService_RemoveNamedSearchSettingByType_OutputMessage** response message.

3.8.4.41.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.41.1.1 KeywordService_RemoveNamedSearchSettingByType_InputMessage

The **KeywordService_RemoveNamedSearchSettingByType_InputMessage** request message initiates the removal of the named search setting.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedSearchSettingByType
```

The SOAP body MUST contain a **RemoveNamedSearchSettingByType** element.

3.8.4.41.1.2

KeywordService_RemoveNamedSearchSettingByType_OutputMessage

The **KeywordService_RemoveNamedSearchSettingByType_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveNamedSearchSettingByType_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedSearchSettingByTypeResponse
```

The SOAP body MUST contain a **RemoveNamedSearchSettingByTypeResponse** element.

3.8.4.41.1.3

KeywordService_RemoveNamedSearchSettingByType_AdminExceptionWCFFault_FaultMessage

The **KeywordService_RemoveNamedSearchSettingByType_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveNamedSearchSettingByType_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedSearchSettingByTypeAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.41.2 Elements

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

3.8.4.41.2.1 RemoveNamedSearchSettingByType

The **RemoveNamedSearchSettingByType** element contains input data for a **RemoveNamedSearchSettingByType** operation.

```
<xsd:element name="RemoveNamedSearchSettingByType">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingName" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

searchSettingName: The name of the search setting. This element MUST be present, it MUST NOT be **null** and it MUST be the name of an existing search setting.

keywordId: The identifier of the **keyword**. This element MUST be present and it MUST be the identifier of an existing **keyword**.

type: The type of the search setting. This element MUST be present.

3.8.4.41.2.2 RemoveNamedSearchSettingByTypeResponse

The **RemoveNamedSearchSettingByType** element contains result data for a **RemoveNamedSearchSettingByType** operation.

```
<xsd:element name="RemoveNamedSearchSettingByTypeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RemoveNamedSearchSettingByTypeResult" nillable="true"
type="xsd:dateTime"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RemoveNamedSearchSettingByTypeResult: The date and time at which the named search setting was deleted from the protocol server.

3.8.4.41.3 Complex Types

None.

3.8.4.41.4 Simple Types

None.

3.8.4.41.5 Attributes

None.

3.8.4.41.6 Groups

None.

3.8.4.41.7 Attribute Groups

None.

3.8.4.42 AddSearchSetting

The **AddSearchSetting** operation adds a search setting to the protocol server.

```
<wsdl:operation name="AddSearchSetting">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSetting" message="tns:KeywordService_AddSearchSetting_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSettingResponse" message="tns:KeywordService_AddSearchSetting_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSettingAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_AddSearchSetting_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_AddSearchSetting_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_AddSearchSetting_OutputMessage** response message.

3.8.4.42.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.42.1.1 KeywordService_AddSearchSetting_InputMessage

The **KeywordService_AddSearchSetting_InputMessage** request message initiates the addition of a search setting.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSetting
```

The SOAP body MUST contain an **AddSearchSetting** element.

3.8.4.42.1.2 KeywordService_AddSearchSetting_OutputMessage

The **KeywordService_AddSearchSetting_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddSearchSetting_InputMessage** message.

The SOAP action value of the message MUST be as follows.


```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSettingResponse
```

The SOAP body MUST contain an **AddSearchSettingResponse** element.

3.8.4.42.1.3

KeywordService_AddSearchSetting_AdminExceptionWCFFault_FaultMessage

The **KeywordService_AddSearchSetting_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddSearchSetting_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSettingAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.42.2 Elements

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

3.8.4.42.2.1 AddSearchSetting

The **AddSearchSetting** element contains input data for an **AddSearchSetting** operation.

```
<xsd:element name="AddSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSetting" nillable="true"
type="tns:SearchSettingDTO"/>
      <xsd:element minOccurs="0" name="contextId" nillable="true" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

searchSetting: The values of the search setting to add. This element MUST be present and it MUST NOT be **null**. The search setting MUST be one of the following extensions of **SearchSettingDTO**: **SynonymDTO**, **PromotionDTO**, **BestBetDTO** or **FeaturedContentDTO**. The search setting MUST include the **Name**, **keyword** and **Group** elements. The **Id** element of **keyword** MUST be the identifier of an existing **keyword**. The **Id** element of **Group** MUST be the identifier of an existing search setting group. Depending on the type of the search setting, the elements that are specified in the table in section [3.8.4.35.2.1](#) MUST also be included.

contextId: The identifier of a context to which this search setting is attached. This value MUST be **null** if no context attachment is to take place.

3.8.4.42.2.2 AddSearchSettingResponse

The **AddSearchSettingResponse** element contains result data for an **AddSearchSetting** operation.

```

<xsd:element name="AddSearchSettingResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="AddSearchSettingResult" nillable="true"
type="tns:SearchSettingDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

AddSearchSettingResult: The added search setting. The element **MUST** be present, it **MUST** not be **null** and it **MUST** have the same type and values as the search setting element of the **AddSearchSetting** element that initiated this operation. In addition, the following properties **MUST** be set by the protocol server:

LastChanged: The date and time at which the search setting was created on the protocol server, in UTC.

Id: A unique identifier for the search setting. This identifier **MUST** be unique across search setting groups.

3.8.4.42.3 Complex Types

None.

3.8.4.42.4 Simple Types

None.

3.8.4.42.5 Attributes

None.

3.8.4.42.6 Groups

None.

3.8.4.42.7 Attribute Groups

None.

3.8.4.43 GetSearchSettingByNameAndType

The **GetSearchSettingByNameAndType** operation retrieves a named search setting of the specified type from the protocol server.

```

<wsdl:operation name="GetSearchSettingByNameAndType">
  <wsdl:input>
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingByNameAndType"
message="tns:KeywordService_GetSearchSettingByNameAndType_InputMessage"/>
  <wsdl:output>
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingByNameAndTypeResponse"
message="tns:KeywordService_GetSearchSettingByNameAndType_OutputMessage"/>
  <wsdl:fault>
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSea

```

```

rchSettingByNameAndTypeAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_GetSearchSettingByNameAndType_AdminExceptionWCFFault_FaultMessage
"/>
</wsdl:operation>

```

The protocol client MUST send a

KeywordService_GetSearchSettingByNameAndType_InputMessage request message. On successful completion, the protocol server MUST respond with a

KeywordService_GetSearchSettingByNameAndType_OutputMessage response message.

3.8.4.43.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.43.1.1 KeywordService_GetSearchSettingByNameAndType_InputMessage

The **KeywordService_GetSearchSettingByNameAndType_InputMessage** request message initiates the retrieval of the search setting.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingByN
ameAndType

```

The SOAP body MUST contain a **GetSearchSettingByNameAndType** element.

3.8.4.43.1.2 KeywordService_GetSearchSettingByNameAndType_OutputMessage

The **KeywordService_GetSearchSettingByNameAndType_OutputMessage** response message is sent in reply to the request that is initiated by the

KeywordService_GetSearchSettingByNameAndType_InputMessage message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingByN
ameAndTypeResponse

```

The SOAP body MUST contain a **GetSearchSettingByNameAndTypeResponse** element.

3.8.4.43.1.3

KeywordService_GetSearchSettingByNameAndType_AdminExceptionWCFFault_FaultMessage

The

KeywordService_GetSearchSettingByNameAndType_AdminExceptionWCFFault_FaultMessage response message is sent in reply to the request that is initiated by the

KeywordService_GetSearchSettingByNameAndType_InputMessage message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingByN
ameAndTypeAdminExceptionWCFFault

```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.43.2 Elements

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

3.8.4.43.2.1 GetSearchSettingByNameAndType

The **GetSearchSettingByNameAndType** element contains input data for a **GetSearchSettingByNameAndType** operation.

```
<xsd:element name="GetSearchSettingByNameAndType">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingName" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

searchSettingName: The name of the search setting.

keywordId: The identifier of the **keyword**.

type: The type of the search setting.

3.8.4.43.2.2 GetSearchSettingByNameAndTypeResponse

The **GetSearchSettingByNameAndTypeResponse** element contains result data for a **GetSearchSettingByNameAndType** operation.

```
<xsd:element name="GetSearchSettingByNameAndTypeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetSearchSettingByNameAndTypeResult" nillable="true"
type="tns:SearchSettingDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetSearchSettingByNameAndTypeResult: The elements of the search setting that was retrieved.

3.8.4.43.3 Complex Types

None.

3.8.4.43.4 Simple Types

None.

3.8.4.43.5 Attributes

None.

3.8.4.43.6 Groups

None.

3.8.4.43.7 Attribute Groups

None.

3.8.4.44 GetSearchSettingPagedResult

The **GetSearchSettingPagedResult** operation retrieves a list of search settings from the protocol server. The offset and count parameters enable protocol clients to retrieve batches of search settings from a potentially large result set.

```
<wsdl:operation name="GetSearchSettingPagedResult">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingPagedResult"
    message="tns:KeywordService_GetSearchSettingPagedResult_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingPagedResultResponse"
    message="tns:KeywordService_GetSearchSettingPagedResult_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingPagedResultAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetSearchSettingPagedResult_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a

KeywordService_GetSearchSettingPagedResult_InputMessage request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_GetSearchSettingPagedResult_OutputMessage** response message.

3.8.4.44.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.44.1.1 KeywordService_GetSearchSettingPagedResult_InputMessage

The **KeywordService_GetSearchSettingPagedResult_InputMessage** request message initiates the retrieval of the search settings.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingPagedResult
```

The SOAP body MUST contain a **GetSearchSettingPagedResult** element.

3.8.4.44.1.2 KeywordService_GetSearchSettingPagedResult_OutputMessage

The **KeywordService_GetSearchSettingPagedResult_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetSearchSettingPagedResult_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingPagedResultResponse
```

The SOAP body MUST contain a **GetSearchSettingPagedResultResponse** element.

3.8.4.44.1.3

KeywordService_GetSearchSettingPagedResult_AdminExceptionWCFFault_Fault Message

The **KeywordService_GetSearchSettingPagedResult_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetSearchSettingPagedResult_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingPagedResultAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.44.2 Elements

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

3.8.4.44.2.1 GetSearchSettingPagedResult

The **GetSearchSettingPagedResult** element contains input data for a **GetSearchSettingPagedResult** operation.

```
<xsd:element name="GetSearchSettingPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="field" type="tns:SearchSettingSortField"/>
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection"/>
      <xsd:element minOccurs="0" name="offset" type="xsd:int"/>
      <xsd:element minOccurs="0" name="count" type="xsd:int"/>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="global" type="xsd:boolean"/>
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType"/>
      <xsd:element minOccurs="0" name="contextId" nillable="true" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
```

```
</xsd:element>
```

groupId: The identifier of the group from which to retrieve search settings.

field: The sort field in the result set.

direction: The sort direction.

offset: The number of search settings to skip after sorting the result.

count: The number of search settings to retrieve.

filter: If not **null**, only the search settings whose term contains this substring are retrieved. If **null**, no filtering is performed.

global: If **true**, the search settings that are not associated with a **keyword** MUST also be retrieved.

type: The type of the search settings to retrieve.

contextId: The identifier of a search setting context or **null**, If this value is not **null**, the protocol server MUST retrieve only the search settings that are associated with the search setting context.

3.8.4.44.2.2 GetSearchSettingPagedResultResponse

The **GetSearchSettingPagedResult** element contains result data for a **GetSearchSettingPagedResult** operation.

```
<xsd:element name="GetSearchSettingPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetSearchSettingPagedResultResult" nillable="true"
type="tns:ArrayOfSearchSettingDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetSearchSettingPagedResultResult: An array of the elements that satisfy the query.

3.8.4.44.3 Complex Types

None.

3.8.4.44.4 Simple Types

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

3.8.4.44.4.1 SearchSettingSortField

The following example shows the **SearchSettingSortField** type.

```
<xsd:simpleType name="SearchSettingSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
    <xsd:enumeration value="StartDate" />
  </xsd:restriction>
</xsd:simpleType>
```

```

<xsd:enumeration value="EndDate" />
<xsd:enumeration value="ManagedResultUri" />
<xsd:enumeration value="ManagedResultPosition" />
<xsd:enumeration value="PromotionSpec" />
<xsd:enumeration value="SynonymTerm" />
</xsd:restriction>
</xsd:simpleType>

```

The following table specifies the valid values for **SearchSettingSortField**.

| Value | Meaning |
|-----------------------|---|
| Name | Sort the result by name. |
| LastChanged | Sort the result by the time at which the result element was last changed. |
| StartDate | Sort the result by the start date. |
| EndDate | Sort the result by the end date. |
| ManagedResultUri | Sort the result by the URI of the managed results. This value MUST be used only if the search setting is a best bet or featured content. |
| ManagedResultPosition | Sort the result by the position of the managed results. This value MUST be used only if the search setting is a best bet or featured content. |
| PromotionSpec | Sort the result by the URI of the managed results. This value MUST be used only if the search setting is a promotion. |
| SynonymTerm | Sort the result by the synonym term. This value MUST be used only if the search setting is a synonym. |

3.8.4.44.5 Attributes

None.

3.8.4.44.6 Groups

None.

3.8.4.44.7 Attribute Groups

None.

3.8.4.45 CountSearchSettingsForGroupByCriteria

The **CountSearchSettingsForGroupByCriteria** operation counts the number of search settings for a given search setting group on the protocol server.

```

<wsdl:operation name="CountSearchSettingsForGroupByCriteria">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForGroupByCriteria"
    message="tns:KeywordService_CountSearchSettingsForGroupByCriteria_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForGroupByCriteria_OutputMessage" />
</wsdl:operation>

```



```

earchSettingsForGroupByCriteriaResponse"
message="tns:KeywordService_CountSearchSettingsForGroupByCriteria_OutputMessage" />
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountS
earchSettingsForGroupByCriteriaAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_CountSearchSettingsForGroupByCriteria_AdminExceptionWCFFault_Faul
tMessage" />
</wsdl:operation>

```

The protocol client MUST send a

KeywordService_CountSearchSettingsForGroupByCriteria_InputMessage request message. On successful completion, the protocol server MUST respond with a **KeywordService_CountSearchSettingsForGroupByCriteria_OutputMessage** response message.

3.8.4.45.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.45.1.1

KeywordService_CountSearchSettingsForGroupByCriteria_InputMessage

The **KeywordService_CountSearchSettingsForGroupByCriteria_InputMessage** request message initiates the counting of the search settings.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettings
ForGroupByCriteria

```

The SOAP body MUST contain a **CountSearchSettingsForGroupByCriteria** element.

3.8.4.45.1.2

KeywordService_CountSearchSettingsForGroupByCriteria_OuputMessage

The **KeywordService_CountSearchSettingsForGroupByCriteria_OuputMessage** response message is sent in reply to the request that is initiated by the **CountSearchSettingsForGroupByCriteria_InputMessage** message.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettings
ForGroupByCriteriaResponse

```

The SOAP body MUST contain a **CountSearchSettingsForGroupByCriteriaResponse** element.

3.8.4.45.1.3

KeywordService_CountSearchSettingsForGroupByCriteria_AdminExceptionWCFFault_FaultMessage

The **KeywordService_CountSearchSettingsForGroupByCriteria_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountSearchSettingsForGroupByCriteria_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

3.8.4.45.2 Elements

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

3.8.4.45.2.1 CountSearchSettingsForGroupByCriteria

The **CountSearchSettingsForGroupByCriteria** request message initiates the counting of search settings of the specified criteria for a given group.

```
<xsd:element name="CountSearchSettingsForGroupByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType"/>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="global" type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

groupId: The identifier of the group from which to count search settings.

type: The type of the search settings to count.

filter: If not **null**, only the search settings whose term contains this substring are counted. If **null**, no filtering is performed.

global: If **true**, search settings that are not associated with a keyword **MUST** also be counted.

3.8.4.45.2.2 CountSearchSettingsForGroupResponse

The **CountSearchSettingsForGroupResponse** response message is sent in reply to the request that is initiated by the **CountSearchSettingsForGroupByCriteria** message.

```
<xsd:element name="CountSearchSettingsForGroupResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CountSearchSettingsForGroupResult" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CountSearchSettingsForGroupResult: The number of search settings that satisfy the criteria.

3.8.4.45.3 Complex Types

None.

3.8.4.45.4 Simple Types

None.

3.8.4.45.5 Attributes

None.

3.8.4.45.6 Groups

None.

3.8.4.45.7 Attribute Groups

None.

3.8.4.46 UpdatePromotedItem

The **UpdatePromotedItem** operation updates a promoted item on the protocol server.

```
<wsdl:operation name="UpdatePromotedItem">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdatePromotedItem" message="tns:KeywordService_UpdatePromotedItem_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdatePromotedItemResponse" message="tns:KeywordService_UpdatePromotedItem_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdatePromotedItemAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_UpdatePromotedItem_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_UpdatePromotedItem_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_UpdatePromotedItem_OutputMessage** response message.

3.8.4.46.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.46.1.1 KeywordService_UpdatePromotedItem_InputMessage

The **KeywordService_UpdatePromotedItem_InputMessage** request message initiates the updating of the promoted item.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdatePromotedItem
```

The SOAP body MUST contain an **UpdatePromotedItem** element.

3.8.4.46.1.2 KeywordService_UpdatePromotedItem_OutputMessage

The **KeywordService_UpdatePromotedItem_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_UpdatePromotedItem_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdatePromotedItemResponse
```

The SOAP body MUST contain an **UpdatePromotedItemResponse** element.

3.8.4.46.1.3

KeywordService_UpdatePromotedItem_AdminExceptionWCFFault_FaultMessage

The **KeywordService_UpdatePromotedItem_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_UpdatePromotedItem_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdatePromotedItemAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.46.2 Elements

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

3.8.4.46.2.1 UpdatePromotedItem

The **UpdatePromotedItem** element contains input data for an **UpdatePromotedItem** operation.

```
<xsd:element name="UpdatePromotedItem">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotedItem" nillable="true"
type="tns:PromotedItemDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

promotedItem: The elements of the promoted item to update. This element MUST be present, it MUST NOT be **null** and it MUST contain the elements **Id**, **PromotedItemSpec**, **PromotedItemType**, and **PromotionId**.

3.8.4.46.2.2 UpdatePromotedItemResponse

The **UpdatePromotedItemResponse** element contains result data for an **UpdatePromotedItem** operation.

```

<xsd:element name="UpdatePromotedItemResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="UpdatePromotedItemResult" nillable="true"
type="tns:PromotedItemDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

UpdatePromotedItemResult: The elements of the updated promoted item. Except from the **LastChanged** element, the returned elements **MUST** contain the same elements as the promoted item element of the request message. The **LastChanged** element **MUST** contain the date and time, in UTC, at which the promoted item was updated.

3.8.4.46.3 Complex Types

None.

3.8.4.46.4 Simple Types

None.

3.8.4.46.5 Attributes

None.

3.8.4.46.6 Groups

None.

3.8.4.46.7 Attribute Groups

None.

3.8.4.47 CountPromotedItems

This **CountPromotedItems** operation counts the number of promoted items for a given promotion on the protocol server.

```

<wsdl:operation name="CountPromotedItems">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountP
romotedItems" message="tns:KeywordService_CountPromotedItems_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountP
romotedItemsResponse" message="tns:KeywordService_CountPromotedItems_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountP
romotedItemsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_CountPromotedItems_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client **MUST** send a **KeywordService_CountPromotedItems_InputMessage** request message. On successful completion, the protocol server **MUST** respond with a **KeywordService_CountPromotedItems_OutputMessage** response message.

3.8.4.47.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.47.1.1 KeywordService_CountPromotedItems_InputMessage

The **KeywordService_CountPromotedItems_InputMessage** request message initiates the counting of the promoted items.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountPromotedItems
```

The SOAP body MUST contain a **CountPromotedItems** element.

3.8.4.47.1.2 KeywordService_CountPromotedItems_OutputMessage

The **KeywordService_CountPromotedItems_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountPromotedItems_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountPromotedItemsResponse
```

The SOAP body MUST contain a **CountPromotedItemsResponse** element.

3.8.4.47.1.3

KeywordService_CountPromotedItems_AdminExceptionWCFFault_FaultMessage

The **KeywordService_CountPromotedItems_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CountPromotedItems_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountpromotedItemsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.47.2 Elements

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

3.8.4.47.2.1 CountPromotedItems

The **CountPromotedItems** element contains input data for a **CountPromotedItems** operation.

```
<xsd:element name="CountPromotedItems">  
  <xsd:complexType>
```

```

    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotionid" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

promotionid: The identifier of the promotion for which to count promoted items.

3.8.4.47.2.2 CountPromotedItemsResponse

The **CountPromotedItemsResponse** element contains result data for a **CountPromotedItems** operation.

```

<xsd:element name="CountPromotedItemsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CountPromotedItemsResult" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

CountPromotedItemsResult: The number of promoted items for the promotion.

3.8.4.47.3 Complex Types

None.

3.8.4.47.4 Simple Types

None.

3.8.4.47.5 Attributes

None.

3.8.4.47.6 Groups

None.

3.8.4.47.7 Attribute Groups

None.

3.8.4.48 RemovePromotedItems

The **RemovePromotedItems** operation deletes promoted items from the protocol server.

```

<wsdl:operation name="RemovePromotedItems">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItems" message="tns:KeywordService_RemovePromotedItems_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItemsResponse" message="tns:KeywordService_RemovePromotedItems_OutputMessage"/>

```

```
<wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
PromotedItemsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_RemovePromotedItems_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_RemovePromotedItems_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_RemovePromotedItems_OutputMessage** response message.

3.8.4.48.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.48.1.1 KeywordService_RemovePromotedItems_InputMessage

The **KeywordService_RemovePromotedItems_InputMessage** request message initiates the removal of the promoted items.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItems
```

The SOAP body MUST contain a **RemovePromotedItems** element.

3.8.4.48.1.2 KeywordService_RemovePromotedItems_OutputMessage

The **KeywordService_RemovePromotedItems_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemovePromotedItems_InputMessage** message.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItems
Response
```

The SOAP body MUST contain a **RemovePromotedItemsResponse** element.

3.8.4.48.1.3

KeywordService_RemovePromotedItems_AdminExceptionWCFFault_FaultMessage

The **KeywordService_RemovePromotedItems_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemovePromotedItems_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItems
AdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.48.2 Elements

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

3.8.4.48.2.1 RemovePromotedItems

The **RemovePromotedItems** element contains input data for a **RemovePromotedItems** operation.

```
<xsd:element name="RemovePromotedItems">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotionid" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

promotionid: The identifier of the promotion for which to delete promoted items.

3.8.4.48.2.2 RemovePromotedItemsResponse

The **RemovePromotedItemsResponse** element contains result data for a **RemovePromotedItems** operation.

```
<xsd:element name="RemovePromotedItemsResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.8.4.48.3 Complex Types

None.

3.8.4.48.4 Simple Types

None.

3.8.4.48.5 Attributes

None.

3.8.4.48.6 Groups

None.

3.8.4.48.7 Attribute Groups

None.

3.8.4.49 RemovePromotedItem

The **RemovePromotedItem** operation deletes a promoted item from the protocol server.

```
<wsdl:operation name="RemovePromotedItem">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItem" message="tns:KeywordService_RemovePromotedItem_InputMessage" />
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItemResponse" message="tns:KeywordService_RemovePromotedItem_OutputMessage" />
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItemAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemovePromotedItem_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_RemovePromotedItem_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_RemovePromotedItem_OutputMessage** response message.

3.8.4.49.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.49.1.1 KeywordService_RemovePromotedItem_InputMessage

The **KeywordService_RemovePromotedItem_InputMessage** request message initiates the removal of the promoted item.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItem
```

The SOAP body MUST contain a **RemovePromotedItem** element.

3.8.4.49.1.2 KeywordService_RemovePromotedItem_OutputMessage

The **KeywordService_RemovePromotedItem_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemovePromotedItem_InputMessage** message.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItemResponse
```

The SOAP body MUST contain a **RemovePromotedItemResponse** element.

3.8.4.49.1.3

KeywordService_RemovePromotedItem_AdminExceptionWCFFault_FaultMessage

The **KeywordService_RemovePromotedItem_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemovePromotedItem_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItemAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.49.2 Elements

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

3.8.4.49.2.1 RemovePromotedItem

The **RemovePromotedItem** element contains input data for a **RemovePromotedItem** operation.

```
<xsd:element name="RemovePromotedItem">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="itemId" type="xsd:long" />
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

itemId: The identifier of the promoted item to remove. This element MUST be present.

promotionId: The identifier of the promotion from which to delete the promoted item. This element MUST be present.

3.8.4.49.2.2 RemovePromotedItemResponse

The **RemovePromotedItemResponse** element contains result data for a **RemovePromotedItem** operation.

```
<xsd:element name="RemovePromotedItemResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RemovePromotedItemResult" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RemovePromotedItemResult: The value is **true** if the promoted item was successfully removed; otherwise, the value is **false**.

3.8.4.49.3 Complex Types

None.

3.8.4.49.4 Simple Types

None.

3.8.4.49.5 Attributes

None.

3.8.4.49.6 Groups

None.

3.8.4.49.7 Attribute Groups

None.

3.8.4.50 ContainsPromotedItem

The **ContainsPromotedItem** operation checks whether a promotion contains a promoted item that is associated with a given identifier on the protocol server.

```
<wsdl:operation name="ContainsPromotedItem">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsPromotedItem" message="tns:KeywordService_ContainsPromotedItem_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsPromotedItemResponse" message="tns:KeywordService_ContainsPromotedItem_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsPromotedItemAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_ContainsPromotedItem_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_ContainsPromotedItem_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_ContainsPromotedItem_OutputMessage** response message.

3.8.4.50.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.50.1.1 MessagesKeywordService_ContainsPromotedItem_InputMessage

The **KeywordService_ContainsPromotedItem_InputMessage** request message initiates the check for containment.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainspromotedItem
```

The SOAP body MUST contain a **ContainsPromotedItem** element.

3.8.4.50.1.2 KeywordService_ContainsPromotedItem_OutputMessage

The **KeywordService_ContainsPromotedItem_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_ContainsPromotedItem_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsPromotedItemResponse
```

The SOAP body MUST contain a **ContainsPromotedItemResponse** element.

3.8.4.50.1.3

KeywordService_ContainsPromotedItem_AdminExceptionWCFFault_FaultMessage

The **KeywordService_ContainsPromotedItem_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_ContainsPromotedItem_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsPromotedItemAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.50.2 Elements

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

3.8.4.50.2.1 ContainsPromotedItem

The **ContainsPromotedItem** element contains input data for a **ContainsPromotedItem** operation.

```
<xsd:element name="ContainsPromotedItem">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="itemId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

itemId: The identifier of the promoted item for which to check for containment.

promotionId: The identifier of the promotion for which to check for containment.

3.8.4.50.2.2 ContainsPromotedItemResponse

The result data for a **ContainsPromotedItem** operation.

```
<xsd:element name="ContainsPromotedItemResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsPromotedItemResult" type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ContainsPromotedItemResult: The value MUST be **true** if the promotion contains the promoted item; otherwise, the value is **false**.

3.8.4.50.3 Complex Types

None.

3.8.4.50.4 Simple Types

None.

3.8.4.50.5 Attributes

None.

3.8.4.50.6 Groups

None.

3.8.4.50.7 Attribute Groups

None.

3.8.4.51 AddPromotedItem

The **AddPromotedItem** operation adds a promoted item to a promotion.

```
<wsdl:operation name="AddPromotedItem">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddPromotedItem" message="tns:KeywordService_AddPromotedItem_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddPromotedItemResponse" message="tns:KeywordService_AddPromotedItem_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddPromotedItemAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_AddPromotedItem_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_AddPromotedItem_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_AddPromotedItem_OutputMessage** response message.

3.8.4.51.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.51.1.1 KeywordService_AddPromotedItem_InputMessage

The **KeywordService_AddPromotedItem_InputMessage** request message initiates the addition of the promoted item.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddPromotedItem
```

The SOAP body MUST contain an **AddPromotedItem** element.

3.8.4.51.1.2 KeywordService_AddPromotedItem_OutputMessage

The **KeywordService_AddPromotedItem_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddPromotedItem_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddPromotedItemResponse
```

The SOAP body MUST contain a **AddPromotedItemResponse** element.

3.8.4.51.1.3

KeywordService_AddPromotedItem_AdminExceptionWCFFault_FaultMessage

The **KeywordService_AddPromotedItem_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddPromotedItem_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddPromotedItemAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.51.2 Elements

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

3.8.4.51.2.1 AddPromotedItem

The **AddPromotedItem** element contains input data for an **AddPromotedItem** operation.

```
<xsd:element name="AddPromotedItem">  
  <xsd:complexType>
```

```

    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotedItem" nillable="true"
type="tns:PromotedItemDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

promotedItem: The values of the promoted item to add. This element **MUST** be present and it **MUST NOT** be **null**. The **Name**, **PromotedItemSpec**, and **PromotionId** values of the promoted item **MUST** be present and the **Name** and **PromotedItemSpec** **MUST** be unique for the promotion. The type of the element **MUST** be one of the following extensions of **PromotedItemDTO**:

- **PromotedDocumentDTO** if a promoted document is being added.
- **PromotedExpressionDTO** if a promoted expression is being added.
- **PromotedLocationDTO** if a promoted location is being added.

3.8.4.51.2.2 AddPromotedItemResponse

The **AddPromotedItemResponse** element contains result data for an **AddPromotedItem** operation.

```

<xsd:element name="AddPromotedItemResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="AddPromotedItemResult" nillable="true"
type="tns:PromotedItemDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

AddPromotedItemResult: The values of the added promoted item. This element **MUST** have the same values and type as those of the **AddPromotedItem** element that initiated this operation. In addition, the following properties **MUST** be set by the protocol server:

LastChanged: The date and time of creation of the promoted item on the protocol server, in UTC.

Id: A unique identifier for the promoted item. This identifier **MUST** be unique across search setting groups.

3.8.4.51.3 Complex Types

None.

3.8.4.51.4 Simple Types

None.

3.8.4.51.5 Attributes

None.

3.8.4.51.6 Groups

None.

3.8.4.51.7 Attribute Groups

None.

3.8.4.52 GetBestBetPagedResult

The **GetBestBetPagedResult** operation retrieves a list of best bets from the protocol server. The offset and count parameters enable protocol clients to retrieve batches of best bets from a potentially large result set.

```
<wsdl:operation name="GetBestBetPagedResult">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBestBetPagedResult" message="tns:KeywordService_GetBestBetPagedResult_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBestBetPagedResultResponse" message="tns:KeywordService_GetBestBetPagedResult_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBestBetPagedResultAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetBestBetPagedResult_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_GetBestBetPagedResult_Message** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_GetBestBetPagedResult_OutputMessage** response message.

3.8.4.52.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.52.1.1 KeywordService_GetBestBetPagedResult_InputMessage

The **KeywordService_GetBestBetPagedResult_InputMessage** request message initiates the retrieval of the best bets.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBestBetPagedResult
```

The SOAP body MUST contain a **GetBestBetPagedResult** element.

3.8.4.52.1.2 KeywordService_GetBestBetPagedResult_OutputMessage

The **KeywordService_GetBestBetPagedResult_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetBestBetPagedResult_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBestBetPagedResultResponse
```

The SOAP body MUST contain a **GetBestBetPagedResultResponse** element.

3.8.4.52.1.3

KeywordService_GetBestBetPagedResult_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetBestBetPagedResult_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetBestBetPagedResult_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBestBetPagedResult_AdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.52.2 Elements

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

3.8.4.52.2.1 **GetBestBetPagedResult**

The **GetBestBetPagedResult** element contains input data for a **GetBestBetPagedResult** operation.

```
<xsd:element name="GetBestBetPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="field" type="tns:BestBetSortField"/>
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection"/>
      <xsd:element minOccurs="0" name="offset" type="xsd:int"/>
      <xsd:element minOccurs="0" name="count" type="xsd:int"/>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

keywordId: The identifier of the keyword from which to retrieve best bets.

field: The sort field in the result set.

direction: The sort direction of the sort field.

offset: The number of best bets to skip after sorting the result.

count: The number of best bets to retrieve.

filter: If not **null**, only the best bets for the **keyword** whose term contains this substring **MUST** be included. If **null**, no filtering is performed.

3.8.4.52.2.2 GetBestBetPagedResultResponse

The **GetBestBetPagedResultResponse** element contains output data for a **GetBestBetPagedResult** operation.

```
<xsd:element name="GetBestBetPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetBestBetPagedResultResult" nillable="true"
type="tns:ArrayOfBestBetDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetBestBetPagedResultResult: An array of best bets satisfying the query.

3.8.4.52.3 Complex Types

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

3.8.4.52.3.1 ArrayOfBestBetDTO

The **ArrayOfBestDTO** complex type contains an array of **BestBetDTO**. This array contains zero, one, or more best bet elements.

```
<xsd:complexType name="ArrayOfBestBetDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="BestBetDTO" nillable="true"
type="tns:BestBetDTO" />
  </xsd:sequence>
</xsd:complexType>
```

3.8.4.52.4 Simple Types

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

3.8.4.52.4.1 BestBetSortField

The **BestBetSortField** simple type is shown in the following example.

```
<xsd:simpleType name="BestBetSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
    <xsd:enumeration value="StartDate" />
    <xsd:enumeration value="EndDate" />
    <xsd:enumeration value="Uri" />
    <xsd:enumeration value="Position" />
  </xsd:restriction>
</xsd:simpleType>
```

The following table specifies the valid values for **BestBetSortField**.

| Value | Meaning |
|-------------|--|
| Name | Sort the result according to name. |
| LastChanged | Sort the result according to when the result element was last changed. |
| StartDate | Sort the result according to start date. |
| EndDate | Sort the result according to end date. |
| Uri | Sort the result according to URI. |
| Position | Sort the result according to position. |

3.8.4.52.5 Attributes

None.

3.8.4.52.6 Groups

None.

3.8.4.52.7 Attribute Groups

None.

3.8.4.53 GetFeaturedContentPagedResult

The **GetFeaturedContentPagedResult** operation retrieves a list of featured content from the protocol server. The offset and count parameters enable protocol clients to retrieve batches of featured content from a potentially large result set.

```
<wsdl:operation name="GetFeaturedContentPagedResult">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFeaturedContentPagedResult"
    message="tns:KeywordService_GetFeaturedContentPagedResult_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFeaturedContentPagedResultResponse"
    message="tns:KeywordService_GetFeaturedContentPagedResult_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFeaturedContentPagedResultAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetFeaturedContentPagedResult_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_GetFeaturedContentPagedResult_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_GetFeaturedContentPagedResult_OutputMessage** response message.

3.8.4.53.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.53.1.1 KeywordService_GetFeaturedContentPagedResult_InputMessage

The **KeywordService_GetFeaturedContentPagedResult_InputMessage** request message initiates the retrieval of a list of featured content.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFeaturedContentPagedResult
```

The SOAP body MUST contain a **GetFeaturedContentPagedResult** element.

3.8.4.53.1.2 KeywordService_GetFeaturedContentPagedResult_OutputMessage

The **KeywordService_GetFeaturedContentPagedResult_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetFeaturedContentPagedResult_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFeaturedContentPagedResultResponse
```

The SOAP body MUST contain a **GetFeaturedContentPagedResultResponse** element.

3.8.4.53.1.3 KeywordService_GetFeaturedContentPagedResult_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetFeaturedContentPagedResult_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetFeaturedContentPagedResult_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFeaturedContentPagedResultAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.53.2 Elements

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

3.8.4.53.2.1 GetFeaturedContentPagedResult

The **GetFeaturedContentPagedResult** element contains input data for an **GetFeaturedContentPagedResult** operation.

```
<xsd:element name="GetFeaturedContentPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="field" type="tns:FeaturedContentSortField"/>
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection"/>
      <xsd:element minOccurs="0" name="offset" type="xsd:int"/>
      <xsd:element minOccurs="0" name="count" type="xsd:int"/>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

keywordId: The identifier of the group from which to retrieve featured content.

field: The sort field in the result set.

direction: The sort direction of the sort field.

offset: The number of featured content to skip after sorting the result.

count: The number of featured content to retrieve.

filter: If not **null**, only the featured content for the keyword whose term contains this substring MUST be included. If **null**, no filtering is performed.

3.8.4.53.2.2 GetFeaturedContentPagedResultResponse

The **GetFeaturedContentPagedResultResponse** element contains output data for a **GetFeaturedContentPagedResult** operation.

```
<xsd:element name="GetFeaturedContentPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetFeaturedContentPagedResultResult" nillable="true"
type="tns:ArrayOfFeaturedContentDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetFeaturedContentPagedResultResult: An array of featured content that satisfies the given criteria.

3.8.4.53.3 Complex Types

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

3.8.4.53.3.1 ArrayOfFeaturedContentDTO

The **ArrayOfFeaturedContentDTO** complex type contains an array of **FeaturedContentDTO**. This array contains zero, one, or more featured content elements.

```
<xsd:complexType name="ArrayOfFeaturedContentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="FeaturedContentDTO"
      nillable="true" type="tns:FeaturedContentDTO"/>
  </xsd:sequence>
</xsd:complexType>
```

3.8.4.53.4 Simple Types

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

3.8.4.53.4.1 FeaturedContentSortField

The **FeaturedContentSortField** simple type is shown in the following example.

```
<xsd:simpleType name="FeaturedContentSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
    <xsd:enumeration value="StartDate" />
    <xsd:enumeration value="EndDate" />
    <xsd:enumeration value="Uri" />
    <xsd:enumeration value="Position" />
  </xsd:restriction>
</xsd:simpleType>
```

The following table specifies the valid values for **FeaturedContentSortField**.

| Value | Meaning |
|-------------|--|
| Name | Sort the result according to name. |
| LastChanged | Sort the result according to when the result element was last changed. |
| StartDate | Sort the result according to start date. |
| EndDate | Sort the result according to end date. |
| Uri | Sort the result according to URI. |
| Position | Sort the result according to position. |

3.8.4.53.5 Attributes

None.

3.8.4.53.6 Groups

None.

3.8.4.53.7 Attribute Groups

None.

3.8.4.54 GetPromotionPagedResult

The **GetPromotionPagedResult** operation retrieves a list of promotions from the protocol server. The offset and count parameters enable protocol clients to retrieve batches of promotions from a potentially large result set.

```
<wsdl:operation name="GetPromotionPagedResult">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotionPagedResult" message="tns:KeywordService_GetPromotionPagedResult_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotionPagedResultResponse" message="tns:KeywordService_GetPromotionPagedResult_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotionPagedResultAdminExceptionWCFFault" name="AdminExceptionWCFFault" message="tns:KeywordService_GetPromotionPagedResult_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_GetPromotionPagedResult_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_GetPromotionPagedResult_OutputMessage** response message.

3.8.4.54.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.54.1.1 KeywordService_GetPromotionPagedResult_InputMessage

The **KeywordService_GetPromotionPagedResult_InputMessage** request message initiates the retrieval of promotions.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotionPagedResult
```

The SOAP body MUST contain a **GetPromotionPagedResult** element.

3.8.4.54.1.2 KeywordService_GetPromotionPagedResult_OutputMessage

The **KeywordService_GetPromotionPagedResult_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetPromotionPagedResult_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotionPagedResultResponse
```


The SOAP body MUST contain a **GetPromotionPagedResultResponse** element.

3.8.4.54.1.3

KeywordService_GetPromotionPagedResult_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetPromotionPagedResult_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetPromotionPagedResult_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotionPagedResultAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.54.2 Elements

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

3.8.4.54.2.1 GetPromotionPagedResult

The **GetPromotionPagedResult** element contains input data for a **GetPromotionPagedResult** operation.

```
<xsd:element name="GetPromotionPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="field" type="tns:PromotionSortField"/>
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection"/>
      <xsd:element minOccurs="0" name="offset" type="xsd:int"/>
      <xsd:element minOccurs="0" name="count" type="xsd:int"/>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

keywordId: The identifier of the keyword from which to retrieve promotions.

field: The sort field in the result set.

direction: The sort direction of the sort field.

offset: The number promotions to skip after sorting the result.

count: The number of promotions to retrieve.

filter: If not **null**, only the promotions for the **keyword** whose term contains this substring MUST be included. If **null**, no filtering is performed.

3.8.4.54.2.2 GetPromotionPagedResultResponse

The **GetPromotionPagedResultResponse** element contains output data for a **GetPromotionPagedResult** operation.

```
<xsd:element name="GetPromotionPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetPromotionPagedResultResult" nillable="true"
type="tns:ArrayOfPromotionDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetPromotionPagedResultResult: An array of the promotions that satisfy the criteria.

3.8.4.54.3 Complex Types

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

3.8.4.54.3.1 ArrayOfPromotionDTO

The **ArrayOfPromotionDTO** complex type contains an array of **PromotionDTO**. This array contains zero, one, or more promotion elements.

```
<xsd:complexType name="ArrayOfPromotionDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="PromotionDTO" nillable="true"
type="tns:PromotionDTO"/>
  </xsd:sequence>
</xsd:complexType>
```

3.8.4.54.4 Simple Types

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

3.8.4.54.4.1 PromotionSortField

The **PromotionSortField** simple type is shown following.

```
<xsd:simpleType name="PromotionSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
    <xsd:enumeration value="StartDate" />
    <xsd:enumeration value="EndDate" />
    <xsd:enumeration value="PromotionSpec">
      <xsd:annotation>
        <xsd:appinfo>
          <EnumerationValue
            xmlns="http://schemas.microsoft.com/2003/10/Serialization/">6</EnumerationValue>
        </xsd:appinfo>
      </xsd:annotation>
    </xsd:enumeration>
  </xsd:restriction>
```

</xsd:simpleType>

The following table specifies the valid values for **PromotionSortField**.

| Value | Meaning |
|---------------|--|
| Name | Sort the result according to name. |
| LastChanged | Sort the result according to when the result element was last changed. |
| StartDate | Sort the result according to start date. |
| EndDate | Sort the result according to end date. |
| PromotionSpec | Sort the result according to promotion specification. |

3.8.4.54.5 Attributes

None.

3.8.4.54.6 Groups

None.

3.8.4.54.7 Attribute Groups

None.

3.8.4.55 GetPromotedItems

The **GetPromotedItems** operation retrieves a list of promoted items from the protocol server.

```
<wsdl:operation name="GetPromotedItems">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedItems"
    message="tns:KeywordService_GetPromotedItems_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedItemsResponse"
    message="tns:KeywordService_GetPromotedItems_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedItemsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetPromotedItems_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_GetPromotedItems_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_GetPromotedItemResult_OutputMessage** response message.

3.8.4.55.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.55.1.1 KeywordService_GetPromotedItems_InputMessage

The **KeywordService_GetPromotedItems_InputMessage** request message initiates the retrieval of the promoted items.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedItems
```

The SOAP body MUST contain a **GetPromotedItem** element.

3.8.4.55.1.2 KeywordService_GetPromotedItems_OutputMessage

The **KeywordService_GetPromotedItems_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetPromotedItem_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedItemsResponse
```

The SOAP body MUST contain a **GetPromotedItemsResponse** element.

3.8.4.55.1.3

KeywordService_GetPromotedItem_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetPromotedItem_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetPromotedItems_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedItemsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.55.2 Elements

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

3.8.4.55.2.1 GetPromotedItems

The **GetPromotedItems** element contains input data for a **GetPromotedItems** operation.

```
<xsd:element name="GetPromotedItems">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
```

```
</xsd:element>
```

promotionId: The identifier of the promotion from which to retrieve promoted items.

3.8.4.55.2 GetPromotedItemsResponse

The **GetPromotedItemsResponse** element contains result data for a **GetPromotedItems** operation.

```
<xsd:element name="GetPromotedItemsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetPromotedItemsResult" nillable="true"
type="tns:ArrayOfPromotedItemDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetPromotedItemsResult: An array of promoted items for the promotion.

3.8.4.55.3 Complex Types

None.

3.8.4.55.4 Simple Types

None.

3.8.4.55.5 Attributes

None.

3.8.4.55.6 Groups

None.

3.8.4.55.7 Attribute Groups

None.

3.8.4.56 GetPromotedDocuments

The **GetPromotedDocuments** operation retrieves a list of promoted documents for a promotion from the protocol server.

```
<wsdl:operation name="GetPromotedDocuments">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedDocuments" message="tns:KeywordService_GetPromotedDocuments_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedDocumentsResponse" message="tns:KeywordService_GetPromotedDocuments_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPro
```

```

motedDocumentsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_GetPromotedDocuments_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **KeywordService_GetPromotedDocuments_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_GetPromotedDocuments_OutputMessage** response message.

3.8.4.56.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.56.1.1 KeywordService_GetPromotedDocuments_InputMessage

The **KeywordService_GetPromotedDocuments_InputMessage** request message initiates the retrieval of promoted documents.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedDocuments

```

The SOAP body MUST contain a **GetPromotedDocuments** element.

3.8.4.56.1.2 KeywordService_GetPromotedDocuments_OutputMessage

The **KeywordService_GetPromotedDocuments_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetPromotedDocuments_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedDocumentsResponse

```

The SOAP body MUST contain a **GetPromotedDocumentsResponse** element.

3.8.4.56.1.3

KeywordService_GetPromotedDocuments_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetPromotedDocuments_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetPromotedDocuments_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedDocumentsAdminExceptionWCFFault

```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.56.2 Elements

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

3.8.4.56.2.1 GetPromotedDocuments

The **GetPromotedDocuments** element contains input data for a **GetPromotedDocuments** operation.

```
<xsd:element name="GetPromotedDocuments">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

promotionId: The identifier of the promotion from which to retrieve promoted documents.

3.8.4.56.2.2 GetPromotedDocumentsResponse

The **GetPromotedDocumentsResponse** element contains result data for a **GetPromotedDocuments** operation.

```
<xsd:element name="GetPromotedDocumentsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetPromotedDocumentsResult" nillable="true"
type="tns:ArrayOfPromotedDocumentDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetPromotedDocumentsResult: An array of promoted documents.

3.8.4.56.3 Complex Types

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

3.8.4.56.3.1 ArrayOfPromotedDocumentDTO

The **ArrayOfPromotedDocumentDTO** complex type contains an array of **PromotedDocumentDTO**. This array contains zero, one, or more promoted document elements.

```
<xsd:complexType name="ArrayOfPromotedDocumentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="PromotedDocumentDTO"
nillable="true" type="tns:PromotedDocumentDTO"/>
  </xsd:sequence>
</xsd:complexType>
```

3.8.4.56.4 Simple Types

None.

3.8.4.56.5 Attributes

None.

3.8.4.56.6 Groups

None.

3.8.4.56.7 Attribute Groups

None.

3.8.4.57 GetPromotedExpressions

The **GetPromotedExpressions** operation retrieves a list of promoted expressions for a promotion from the protocol server.

```
<wsdl:operation name="GetPromotedExpressions">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedExpressions" message="tns:KeywordService_GetPromotedExpressions_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedExpressionsResponse" message="tns:KeywordService_GetPromotedExpressions_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedExpressionsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetPromotedExpressions_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_GetPromotedExpressions_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_GetPromotedExpressions_OutputMessage** response message.

3.8.4.57.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.57.1.1 KeywordService_GetPromotedExpressions_InputMessage

The **KeywordService_GetPromotedExpressions_InputMessage** request message initiates the retrieval of the promoted expressions.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedExpressions
```

The SOAP body MUST contain a **GetPromotedExpressions** element.

3.8.4.57.1.2 KeywordService_GetPromotedExpressions_OutputMessage

The **KeywordService_GetPromotedExpressions_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetPromotedExpressions_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedExpressionsResponse
```

The SOAP body MUST contain a **GetPromotedExpressionsResponse** element.

3.8.4.57.1.3

KeywordService_GetPromotedExpressions_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetPromotedExpressions_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetPromotedExpressions_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedExpressionsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.57.2 Elements

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

3.8.4.57.2.1 GetPromotedExpressions

The **GetPromotedExpressions** element contains input data for a **GetPromotedExpressions** operation.

```
<xsd:element name="GetPromotedExpressions">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

promotionId: The identifier of the promotion from which to retrieve promoted expressions.

3.8.4.57.2.2 GetPromotedExpressionsResponse

The **GetPromotedExpressionsResponse** element contains result data for a **GetPromotedExpressions** operation.

```

<xsd:element name="GetPromotedExpressionsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetPromotedExpressionsResult" nillable="true"
type="tns:ArrayOfPromotedExpressionDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

GetPromotedExpressionsResult: An array of promoted expressions.

3.8.4.57.3 Complex Types

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

3.8.4.57.3.1 ArrayOfPromotedExpressionDTO

The **ArrayOfPromotedExpressionDTO** complex type contains an array of **PromotedExpressionDTO**. This array contains zero, one, or more **promoted expression** elements.

```

<xsd:complexType name="ArrayOfPromotedExpressionDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="PromotedExpressionDTO"
nillable="true" type="tns:PromotedExpressionDTO"/>
  </xsd:sequence>
</xsd:complexType>

```

3.8.4.57.4 Simple Types

None.

3.8.4.57.5 Attributes

None.

3.8.4.57.6 Groups

None.

3.8.4.57.7 Attribute Groups

None.

3.8.4.58 GetPromotedLocations

The **GetPromotedLocations** operation retrieves a list of promoted locations for a promotion from the protocol server.

```

<wsdl:operation name="GetPromotedLocations">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedLocations" message="tns:KeywordService_GetPromotedLocations_InputMessage"/>

```

```

    <wsdl:output
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedLocationsResponse" message="tns:KeywordService_GetPromotedLocations_OutputMessage"/>
    <wsdl:fault
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedLocationsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
      message="tns:KeywordService_GetPromotedLocations_AdminExceptionWCFFault_FaultMessage"/>
  </wsdl:operation>

```

The protocol client MUST send a **KeywordService_GetPromotedLocations_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_GetPromotedLocations_OutputMessage** response message.

3.8.4.58.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.58.1.1 KeywordService_GetPromotedLocations_InputMessage

The **KeywordService_GetPromotedLocations_InputMessage** request message initiates the retrieval of the promoted locations.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedLocations

```

The SOAP body MUST contain a **GetPromotedLocations** element.

3.8.4.58.1.2 KeywordService_GetPromotedLocations_OutputMessage

The **KeywordService_GetPromotedLocations_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetPromotedLocations_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedLocationsResponse

```

The SOAP body MUST contain a **GetPromotedLocationsResponse** element.

3.8.4.58.1.3 KeywordService_GetPromotedLocations_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetPromotedLocations_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetPromotedLocations_InputMessage** message. The protocol service MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedLocationsAdminExceptionWCFFault

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.58.2 Elements

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

3.8.4.58.2.1 GetPromotedLocations

The **GetPromotedLocations** element contains input data for a **GetPromotedLocations** operation.

```
<xsd:element name="GetPromotedLocations">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

promotionId: The identifier of the promotion from which to retrieve promoted locations.

3.8.4.58.2.2 GetPromotedLocationsResponse

The **GetPromotedLocationsResponse** element contains result data for a **GetPromotedLocations** operation.

```
<xsd:element name="GetPromotedLocationsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetPromotedLocationsResult" nillable="true"
type="tns:ArrayOfPromotedLocationDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetPromotedLocationsResult: An array of promoted locations.

3.8.4.58.3 Complex Types

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

3.8.4.58.3.1 ArrayOfPromotedLocationDTO

The **ArrayOfPromotedLocationDTO** complex type contains an array of **PromotedLocationDTO**. This array contains zero, one or more promoted location elements.

```
<xsd:complexType name="ArrayOfPromotedLocationDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="PromotedLocationDTO"
nillable="true" type="tns:PromotedLocationDTO"/>
  </xsd:sequence>
```

</xsd:complexType>

3.8.4.58.4 Simple Types

None.

3.8.4.58.5 Attributes

None.

3.8.4.58.6 Groups

None.

3.8.4.58.7 Attribute Groups

None.

3.8.4.59 CreateAggregateContextExpressionRoot

The **CreateAggregateContextExpressionRoot** operation adds a context expression root node to a search setting context on the protocol server.

```
<wsdl:operation name="CreateAggregateContextExpressionRoot">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CreateAggregateContextExpressionRoot"
    message="tns:KeywordService_CreateAggregateContextExpressionRoot_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CreateAggregateContextExpressionRootResponse"
    message="tns:KeywordService_CreateAggregateContextExpressionRoot_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CreateAggregateContextExpressionRootAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_CreateAggregateContextExpressionRoot_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_CreateAggregateContextExpressionRoot_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_CreateAggregateContextExpressionRoot_OutputMessage** response message.

3.8.4.59.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.59.1.1

KeywordService_CreateAggregateContextExpressionRoot_InputMessage

The **KeywordService_CreateAggregateContextExpressionRoot_InputMessage** request message initiates the creation of the context expression root node.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CreateAggregateContextExpressionRoot
```

The SOAP body MUST contain a **CreateAggregateContextExpressionRoot** element.

3.8.4.59.1.2

KeywordService_CreateAggregateContextExpressionRoot_OutputMessage

The **KeywordService_CreateAggregateContextExpressionRoot_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CreateAggregateContextExpressionRoot_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CreateAggregateContextExpressionRootResponse
```

The SOAP body MUST contain a **CreateAggregateContextExpressionRootResponse** element.

3.8.4.59.1.3

KeywordService_CreateAggregateContextExpressionRoot_AdminExceptionWCFFault_FaultMessage

The **KeywordService_CreateAggregateContextExpressionRoot_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_CreateAggregateContextExpressionRoot_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CreateAggregateContextExpressionRootAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.59.2 Elements

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

3.8.4.59.2.1 CreateAggregateContextExpressionRoot

The **CreateAggregateContextExpressionRoot** element contains input data for a **CreateAggregateContextExpressionRoot** operation.

```
<xsd:element name="CreateAggregateContextExpressionRoot">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="context" nillable="true" type="tns:ContextDTO"/>
      <xsd:element minOccurs="0" name="type" type="tns:ExpressionTypes"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```

    </xsd:complexType>
  </xsd:element>

```

context: The elements of the search setting context for which to create the context expression root node. This element **MUST** be present, it **MUST NOT** be **null** and the **Id** element of the context **MUST** be the identifier of an existing search setting context.

type: The type of the context expression root node.

The protocol server **MUST** delete all the context expression nodes that are already associated with the search setting context.

3.8.4.59.2.2 CreateAggregateContextExpressionRootResponse

The **CreateAggregateContextExpressionRootResponse** element contains result data for a **CreateAggregateContextExpressionRoot** operation.

```

<xsd:element name="CreateAggregateContextExpressionRootResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateAggregateContextExpressionRootResult"
        nillable="true" type="tns:ContextExpressionDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

CreateAggregateContextExpressionRootResult: The aggregate context expression root node.

3.8.4.59.3 Complex Types

None.

3.8.4.59.4 Simple Types

None.

3.8.4.59.5 Attributes

None.

3.8.4.59.6 Groups

None.

3.8.4.59.7 Attribute Groups

None.

3.8.4.60 RemoveContextExpressionSubtree

The **RemoveContextExpressionSubtree** operation deletes all context expression nodes that descend from a given context expression node from the protocol server.

```

<wsdl:operation name="RemoveContextExpressionSubtree">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextExpressionSubtree"
    message="tns:KeywordService_RemoveContextExpressionSubtree_InputMessage"/>
    <wsdl:output
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextExpressionSubtreeResponse"
      message="tns:KeywordService_RemoveContextExpressionSubtree_OutputMessage"/>
      <wsdl:fault
        wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextExpressionSubtreeAdminExceptionWCFFault" name="AdminExceptionWCFFault"
        message="tns:KeywordService_RemoveContextExpressionSubtree_AdminExceptionWCFFault_FaultMessage"/>
      </wsdl:fault>
    </wsdl:output>
  </wsdl:input>
</wsdl:operation>

```

The protocol client MUST send a

KeywordService_RemoveContextExpressionSubtree_InputMessage request message. On successful completion, the protocol server MUST respond with a

KeywordService_RemoveContextExpressionSubtree_OutputMessage response message.

3.8.4.60.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.60.1.1 KeywordService_RemoveContextExpressionSubtree_InputMessage

The **KeywordService_RemoveContextExpressionSubtree_InputMessage** request message initiates the removal of the context expression nodes.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextExpressionSubtree

```

The SOAP body MUST contain a **RemoveContextExpressionSubtree** element.

3.8.4.60.1.2 KeywordService_RemoveContextExpressionSubtree_OutputMessage

The **KeywordService_RemoveContextExpressionSubtree_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveContextExpressionSubtree_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextExpressionSubtreeResponse

```

The SOAP body MUST contain a **RemoveContextExpressionSubtreeResponse** element.

3.8.4.60.1.3

KeywordService_RemoveContextExpressionSubtree_AdminExceptionWCFFault_FaultMessage

The **KeywordService_RemoveContextExpressionSubtree_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveContextExpressionSubtree_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextExpressionSubtreeAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.60.2 Elements

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

3.8.4.60.2.1 RemoveContextExpressionSubtree

The **RemoveContextExpressionSubtree** element contains input data for a **RemoveContextExpressionSubtree** operation.

```
<xsd:element name="RemoveContextExpressionSubtree">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="parentId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

parentId: The identifier of the parent node from which to begin to remove descendent nodes. This element MUST be present.

3.8.4.60.2.2 RemoveContextExpressionSubtreeResponse

The **RemoveContextExpressionSubtreeResponse** element contains result data for a **RemoveContextExpressionSubtree** operation.

```
<xsd:element name="RemoveContextExpressionSubtreeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RemoveContextExpressionSubtreeResult"
type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RemoveContextExpressionSubtreeResult: The value MUST be **true** if the nodes were deleted; otherwise, the value MUST be **false**.

3.8.4.60.3 Complex Types

None.

3.8.4.60.4 Simple Types

None.

3.8.4.60.5 Attributes

None.

3.8.4.60.6 Groups

None.

3.8.4.60.7 Attribute Groups

None.

3.8.4.61 ContainsContextExpression

The **ContainsContextExpression** operation checks whether a given context expression node has a descendant with the given identifier.

```
<wsdl:operation name="ContainsContextExpression">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsContextExpression" message="tns:KeywordService_ContainsContextExpression_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsContextExpressionResponse"
    message="tns:KeywordService_ContainsContextExpression_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsContextExpressionAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_ContainsContextExpression_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_ContainsContextExpression_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_ContainsContextExpression_OutputMessage** response message.

3.8.4.61.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.61.1.1 KeywordService_ContainsContextExpression_InputMessage

The **KeywordService_ContainsContextExpression_InputMessage** request message initiates the check for node containment.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsContextExpression
```

The SOAP body MUST contain a **ContainsContextExpression** element.

3.8.4.61.1.2 KeywordService_ContainsContextExpression_OutputMessage

The **KeywordService_ContainsContextExpression_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_ContainsContextExpression_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsContextExpressionResponse
```

The SOAP body MUST contain a **ContainsContextExpressionResponse** element.

3.8.4.61.1.3

KeywordService_ContainsContextExpression_AdminExceptionWCFFault_FaultMessage

The **KeywordService_ContainsContextExpression_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_ContainsContextExpression_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the response message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsContextExpressionAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.61.2 Elements

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

3.8.4.61.2.1 ContainsContextExpression

The **ContainsContextExpression** element contains input data for a **ContainsContextExpression** operation.

```
<xsd:element name="ContainsContextExpression">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="parentId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="nodeId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

parentId: The node identifier of the parent from which to begin checking for containment. This element **MUST** be present.

nodeId: The node identifier for which to check for containment. This element **MUST** be present.

3.8.4.61.2.2 ContainsContextExpressionResponse

The **ContainsContextExpression** element contains result data for a **ContainsContextExpression** operation.

```
<xsd:element name="ContainsContextExpressionResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsContextExpressionResult"
type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ContainsContextExpressionResult: This value **MUST** be **true** if the context expression node has a descendant with the given identifier; otherwise, this value is **false**.

3.8.4.61.3 Complex Types

None.

3.8.4.61.4 Simple Types

None.

3.8.4.61.5 Attributes

None.

3.8.4.61.6 Groups

None.

3.8.4.61.7 Attribute Groups

None.

3.8.4.62 RemoveContextExpressionSubtreeIncludingParent

The **RemoveContextExpressionSubtreeIncludingParent** operation deletes a context expression node and all its descendant nodes.

```
<wsdl:operation name="RemoveContextExpressionSubtreeIncludingParent">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtreeIncludingParent"
message="tns:KeywordService_RemoveContextExpressionSubtreeIncludingParent_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
```

```

ContextExpressionSubtreeIncludingParentResponse"
message="tns:KeywordService_RemoveContextExpressionSubtreeIncludingParent_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtreeIncludingParentAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:KeywordService_RemoveContextExpressionSubtreeIncludingParent_AdminExceptionWCFFa
ult_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a

KeywordService_RemoveContextExpressionSubtreeIncludingParent_InputMessage request message. On successful completion, the protocol server MUST respond with a **KeywordService_RemoveContextExpressionSubtreeIncludingParent_OutputMessage** response message.

3.8.4.62.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.62.1.1

KeywordService_RemoveContextExpressionSubtreeIncludingParent_InputMessage

The **KeywordService_RemoveContextExpressionSubtreeIncludingParent_InputMessage** request message initiates the removal of the context expression node and all its descendant nodes.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextExpres
sionSubtreeIncludingParent

```

The SOAP body MUST contain a **RemoveContextExpressionSubtreeIncludingParent** element.

3.8.4.62.1.2

KeywordService_RemoveContextExpressionSubtreeIncludingParent_OutputMessage

The **KeywordService_RemoveContextExpressionSubtreeIncludingParent_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_RemoveContextExpressionSubtreeIncludingParent_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextExpres
sionSubtreeIncludingParentResponse

```

The SOAP body MUST contain a **RemoveContextExpressionSubtreeIncludingParentResponse** element.

3.8.4.62.1.3

KeywordService_RemoveContextExpressionSubtreeIncludingParent_AdminExceptionWCFFault_FaultMessage

The

KeywordService_RemoveContextExpressionSubtreeIncludingParent_AdminExceptionWCF Fault_FaultMessage response message is sent in reply to the request that is initiated by the **KeywordService_RemoveContextExpressionSubtreeIncludingParent_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextExpressionSubtreeIncludingParentAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.62.2 Elements

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

3.8.4.62.2.1 RemoveContextExpressionSubtreeIncludingParent

The **RemoveContextExpressionSubtreeIncludingParent** element contains input data for a **RemoveContextExpressionSubtreeIncludingParent** operation.

```
<xsd:element name="RemoveContextExpressionSubtreeIncludingParent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="parentId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

parentId: The identifier of the context expression node to delete. This element MUST be present.

3.8.4.62.2.2 RemoveContextExpressionSubtreeIncludingParentResponse

The **RemoveContextExpressionSubtreeIncludingParentResponse** element contains output data for a **RemoveContextExpressionSubtreeIncludingParent** operation.

```
<xsd:element name="RemoveContextExpressionSubtreeIncludingParentResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RemoveContextExpressionSubtreeIncludingParentResult"
type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RemoveContextExpressionSubtreeIncludingParentResult: The value MUST be **true** if the descending nodes and parent was deleted; otherwise, the value MUST be **false**.

3.8.4.62.3 Complex Types

None.

3.8.4.62.4 Simple Types

None.

3.8.4.62.5 Attributes

None.

3.8.4.62.6 Groups

None.

3.8.4.62.7 Attribute Groups

None.

3.8.4.63 GetContextExpressionCount

The **GetContextExpressionCount** operation counts the number of descendant context expression nodes for a given context expression node.

```
<wsdl:operation name="GetContextExpressionCount">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionCount" message="tns:KeywordService_GetContextExpressionCount_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionCountResponse"
    message="tns:KeywordService_GetContextExpressionCount_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionCountAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetContextExpressionCount_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_GetContextExpressionCount_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_GetContextExpressionCount_OutputMessage** response message.

3.8.4.63.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.63.1.1 KeywordService_GetContextExpressionCount_InputMessage

The **KeywordService_GetContextExpressionCount_InputMessage** request message initiates the counting of context expression nodes.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionCount
```

The SOAP body MUST contain a **GetContextExpressionCount** element.

3.8.4.63.1.2 KeywordService_GetContextExpressionCount_OutputMessage

The **KeywordService_GetContextExpressionCount_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetContextExpressionCount_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionCountResponse
```

The SOAP body MUST contain a **GetContextExpressionCountResponse** element.

3.8.4.63.1.3

KeywordService_GetContextExpressionCount_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetContextExpressionCount_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetContextExpressionCount_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionCountAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.63.2 Elements

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

3.8.4.63.2.1 GetContextExpressionCount

The **GetContextExpressionCount** element contains input data for a **GetContextExpressionCount** operation.

```
<xsd:element name="GetContextExpressionCount">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="parentId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```


parentId: The identifier of the context expression node for which to count descendants. This element **MUST** be present.

3.8.4.63.2.2 GetContextExpressionCountResponse

The **GetContextExpressionCountResponse** element contains output data for a **GetContextExpressionCount** operation.

```
<xsd:element name="GetContextExpressionCountResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetContextExpressionCountResult" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetContextExpressionCountResult: The number of context expression nodes.

3.8.4.63.3 Complex Types

None.

3.8.4.63.4 Simple Types

None.

3.8.4.63.5 Attributes

None.

3.8.4.63.6 Groups

None.

3.8.4.63.7 Attribute Groups

None.

3.8.4.64 AddContextExpressionAggregateNode

The **AddContextExpressionAggregateNode** operation adds an aggregate context expression node to another aggregate context expression node on the protocol server.

```
<wsdl:operation name="AddContextExpressionAggregateNode">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAggregateNode"
    message="tns:KeywordService_AddContextExpressionAggregateNode_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAggregateNodeResponse"
    message="tns:KeywordService_AddContextExpressionAggregateNode_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAggregateNodeAdminExceptionWCFFault" name="AdminExceptionWCFFault"/>
```

```
message="tns:KeywordService_AddContextExpressionAggregateNode_AdminExceptionWCFFault_FaultMes  
sage"/>  
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_AddContextExpressionAggregateNode_InputMessage** request message. On successful completion, the protocol server MUST respond with a **KeywordService_AddContextExpressionAggregateNode_OutputMessage** response message.

3.8.4.64.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.64.1.1

KeywordService_AddContextExpressionAggregateNode_InputMessage

The **KeywordService_AddContextExpressionAggregateNode_InputMessage** request message initiates the addition of the aggregate context expression node.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressio  
nAggregateNode
```

The SOAP body MUST contain an **AddContextExpressionAggregateNode** element.

3.8.4.64.1.2

KeywordService_AddContextExpressionAggregateNode_OutputMessage

The **KeywordService_AddContextExpressionAggregateNode_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddContextExpressionAggregateNode_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressio  
nAggregateNodeResponse
```

The SOAP body MUST contain an **AddContextExpressionAggregateNodeResponse** element.

3.8.4.64.1.3

KeywordService_AddContextExpressionAggregate_AdminExceptionWCFFault_FaultMessage

The **KeywordService_AddContextExpressionAggregate_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddContextExpressionAggregateNode_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAggregateNodeAdminExceptionWCFFault

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.64.2 Elements

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

3.8.4.64.2.1 AddContextExpressionAggregateNode

The **AddContextExpressionAggregateNode** element contains input data for an **AddContextExpressionAggregateNode** operation.

```
<xsd:element name="AddContextExpressionAggregateNode">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="contextId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="parentId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="type" type="tns:ExpressionTypes"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

contextId: The identifier of the context to which this context expression node belongs. This element MUST be present.

parentId: The identifier of the parent context expression node of this node in the context expression. This element MUST be present and the specified parent MUST be an aggregate context expression node which is associated with the same search setting context that was specified by the **contextId** element.

type: The type of the context expression node. This element MUST be present and its value MUST be **AND**, **OR**, or **NOT**.

3.8.4.64.2.2 AddContextExpressionAggregateNodeResponse

The **AddContextExpressionAggregateNodeResponse** element contains output data for an **AddContextExpressionAggregateNode** operation.

```
<xsd:element name="AddContextExpressionAggregateNodeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="AddContextExpressionAggregateNodeResult"
nillable="true" type="tns:ContextExpressionDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

AddContextExpressionAggregateNodeResult: The elements of the added aggregate context expression node.

3.8.4.64.3 Complex Types

None.

3.8.4.64.4 Simple Types

None.

3.8.4.64.5 Attributes

None.

3.8.4.64.6 Groups

None.

3.8.4.64.7 Attribute Groups

None.

3.8.4.65 AddContextExpressionAtomicNode

The **AddContextExpressionAtomicNode** operation adds an atomic context expression node to a context expression tree on the protocol server.

```
<wsdl:operation name="AddContextExpressionAtomicNode">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAtomicNode"
    message="tns:KeywordService_AddContextExpressionAtomicNode_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAtomicNodeResponse"
    message="tns:KeywordService_AddContextExpressionAtomicNode_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAtomicNodeAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_AddContextExpressionAtomicNode_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a

KeywordService_AddContextExpressionAtomicNode_InputMessage request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_AddContextExpressionAtomicNode_OutputMessage** response message.

3.8.4.65.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.65.1.1 KeywordService_AddContextExpressionAtomicNode_InputMessage

The **KeywordService_AddContextExpressionAtomicNode_InputMessage** request message initiates the addition of the atomic context expression node to the context expression tree.

The SOAP action value of the message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAtomicNode`

The SOAP body MUST contain an **AddContextExpressionAtomicNode** element.

3.8.4.65.1.2 KeywordService_AddContextExpressionAtomicNode_OutputMessage

The **KeywordService_AddContextExpressionAtomicNode_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddContextExpressionAtomicNode_InputMessage** message.

The SOAP action value of the message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAtomicNodeResponse`

The SOAP body MUST contain an **AddContextExpressionAtomicNodeResponse** element.

3.8.4.65.1.3

KeywordService_AddContextExpressionAtomicNode_AdminExceptionWCFFault_FaultMessage

The **KeywordService_AddContextExpressionAtomicNode_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_AddContextExpressionAtomicNode_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAtomicNodeAdminExceptionWCFFault`

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.65.2 Elements

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

3.8.4.65.2.1 AddContextExpressionAtomicNode

The **AddContextExpressionAtomicNode** element contains input data for an **AddContextExpressionAtomicNode** operation.

```
<xsd:element name="AddContextExpressionAtomicNode">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="contextId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="parentId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="key" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="value" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="type" type="tns:ExpressionTypes"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```

    </xsd:complexType>
  </xsd:element>

```

contextId: The identifier of the context to which this context expression node belongs. This element MUST be present.

parentId: The identifier of the parent context expression node of this node in the context expression. This element MUST be present and the specified parent MUST be an aggregate context expression node which is associated with the same search setting context that was specified by the **contextId** element.

key: The key of the context expression node. This value MUST be present and MUST not be **null**.

value: The value of the context expression node.

type: The type of the context expression node. This element MUST be present and its value MUST be "MATCH".

3.8.4.65.2.2 AddContextExpressionAtomicNodeResponse

The **AddContextExpressionAtomicNodeResponse** element contains result data for an **AddContextExpressionAtomicNode** operation.

```

<xsd:element name="AddContextExpressionAtomicNodeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="AddContextExpressionAtomicNodeResult" nillable="true"
type="tns:ContextExpressionDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

AddContextExpressionAtomicNodeResult: The elements of the added atomic context expression node.

3.8.4.65.3 Complex Types

None.

3.8.4.65.4 Simple Types

None.

3.8.4.65.5 Attributes

None.

3.8.4.65.6 Groups

None.

3.8.4.65.7 Attribute Groups

None.

3.8.4.66 GetContextExpressionTree

The **GetContextExpressionTree** operation retrieves all the descendant context expression nodes of a given context expression node.

```
<wsdl:operation name="GetContextExpressionTree">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionTree" message="tns:KeywordService_GetContextExpressionTree_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionTreeResponse"
    message="tns:KeywordService_GetContextExpressionTree_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionTreeAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetContextExpressionTree_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **KeywordService_GetContextExpressionTree_InputMessage** request message. When the operation finishes successfully, the protocol server MUST respond with a **KeywordService_GetContextExpressionTree_OutputMessage** response message.

3.8.4.66.1 Messages

The following WSDL message definitions are specific to this operation.

3.8.4.66.1.1 KeywordService_GetContextExpressionTree_InputMessage

The **KeywordService_GetContextExpressionTree_InputMessage** request message initiates the retrieval of the context expression nodes.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionTree
```

The SOAP body MUST contain a **GetContextExpressionTree** element.

3.8.4.66.1.2 KeywordService_GetContextExpressionTree_OutputMessage

The **KeywordService_GetContextExpressionTree_OutputMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetContextExpressionTree_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionTreeResponse
```

The SOAP body MUST contain a **GetContextExpressionTreeResponse** element.

3.8.4.66.1.3

KeywordService_GetContextExpressionTree_AdminExceptionWCFFault_FaultMessage

The **KeywordService_GetContextExpressionTree_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **KeywordService_GetContextExpressionTree_InputMessage** message. The protocol server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionTree_AdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.8.4.66.2 Elements

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

3.8.4.66.2.1 GetContextExpressionTree

The **GetContextExpressionTree** element contains input data for a **GetContextExpressionTree** operation.

```
<xsd:element name="GetContextExpressionTree">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="parentId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

parentId: The identifier of the parent from which to retrieve the context expression nodes.

3.8.4.66.2.2 GetContextExpressionTreeResponse

The **GetContextExpressionTreeResponse** element contains result data for a **GetContextExpressionTree** operation.

```
<xsd:element name="GetContextExpressionTreeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetContextExpressionTreeResult" nillable="true"
        type="tns:ArrayOfContextExpressionDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetContextExpressionTreeResult: An array of **ContextExpressionDTO**.

3.8.4.66.3 Complex Types

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

3.8.4.66.3.1 ArrayOfContextExpressionDTO

The **ArrayOfContextExpressionDTO** complex type contains an array of **ContextExpressionDTO**. This array contains zero, one, or more context expression node elements.

```
<xsd:complexType name="ArrayOfContextExpressionDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="ContextExpressionDTO"
      nillable="true" type="tns:ContextExpressionDTO"/>
  </xsd:sequence>
</xsd:complexType>
```

3.8.4.66.4 Simple Types

None.

3.8.4.66.5 Attributes

None.

3.8.4.66.6 Groups

None.

3.8.4.66.7 Attribute Groups

None.

3.8.5 Timer Events

None.

3.8.6 Other Local Events

None.

3.9 SchemaService Server Details

This service provides operations related to schema management. The schema is the basis of the configuration of the search application.

3.9.1 Abstract Data Model

This section describes a conceptual model of a possible organization of data 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.

The schema service is responsible for managing the search index configuration, relevance configuration, and metadata processing configuration. Through the schema service, a protocol client can create new managed properties to store searchable data in, configure which crawled properties are associated with managed properties, and control how searches are evaluated against these managed properties. The schema service also contains operations to create full-text index fields based on managed properties, making it possible to search the content of multiple managed properties at a time.

The protocol server **MUST** maintain collections of the following:

Crawled property: A crawled property is an element of documents discovered by the search application during content feeding. Examples of crawled properties include titles of web pages, or authors of documents.

Crawled property categories: A named grouping of crawled properties, which allows several crawled properties to be managed together.

Managed property: An element of an item stored in a search system. Managed properties are part of the search user experience and the schema service control properties on managed properties, such as stemming, sorting, and summary settings.

Crawled property mappings: A list of mappings from crawled property to managed properties. The schema service contains operations for associating crawled properties with managed properties, causing the managed properties to be populated with content from the crawled properties. These mappings are used by the item processing service when receiving new content (see [\[MS-FSO\]](#) section 2.1.1.4).

Full-text index field: A grouping of managed properties in the search system, which enables the content of managed properties to be searchable. Each managed property has an importance level in a full-text index field, enabling rank profiles to control how the content of managed properties contributes to the relevancy rank of indexed items.

Full-text index fields mappings: Managed properties can be searched individually (if configured to be searchable) or as part of a full-text index field. The schema service contains operations for controlling which managed properties are mapped into a full-text index field, and at what importance level they are. These mappings are used by the item processing service when receiving new content (see [\[MS-FSO\]](#) section 2.1.1.4).

Refiner: A set of configuration settings that control how items in search results are aggregated into categories, known as refiners. The settings include sorting options and categorization algorithm options. The categorization of items is calculated by using the contents of a managed property to which the refiner is associated.

Rank profile: A group of relevance settings that the search system uses to influence the ranking of search results when searching one or more full-textindex fields.

Each rank profile instance **MUST** in addition maintain collections of the following:

Quality rank component: An element of a rank profile that allows high-quality items to receive a higher relevancy rank. The quality of items is determined by an implementation-specific algorithm. The Quality rank component lists which internal properties are used to calculate the final quality rank.

Keyword rank component: An element of a rank profile that allows items containing certain terms to receive a higher relevancy rank. This collection consists of a list of terms and boost values which specify by what amount to increase the relevance rank if the term exists in the document.

Full-text index rank component: An element of a rank profile that determines how the importance levels of managed properties in a full-text index field and the position of occurrences of queried terms within managed properties contribute to the relevancy rank of documents.

In addition, the protocol server **MUST** maintain the following states:

DefaultFullTextIndex: The full-text index field to search if no full-text index field is specified.

DefaultRankProfile: The rank-profile to use for sorting if no rank profile or sorting is specified in a query against the search application.

An example of how this could be implemented and persisted can be found in [\[MS-FSADS\]](#).

The schema service operations are used to configure several other components of the search system. The configuration is done by generating new versions of configuration files, which are uploaded to the configuration server through the protocols specified in [\[MS-FSCMW\]](#) or [\[MS-FSCX\]](#). The components in the search system subscribes to updates on configuration files they use, and will receive a notification from the configuration server when they are updated.

The configuration files that the protocol server **MUST** support updating can be divided into two classes, which are described in the following table.

| Class | Specified in | Description |
|---------------------|--|---|
| Processing | [MS-FSPSCFG] | Files used by the item processing service. |
| Search and Indexing | [MS-FSSCFG] and [MS-FSQRCFG] | Files containing specifications of the search index content and layout. |

Each operation that leads to an update of a configuration file specifies which files that **MUST** be updated. Some of the operations update the configuration asynchronously.

All operations that generate new configuration files **MUST** publish these through the [\[MS-FSCMW\]](#) or [\[MS-FSCX\]](#) protocol.

3.9.2 Timers

None.

3.9.3 Initialization

None.

3.9.4 Message Processing Events and Sequencing Rules

The following table specifies message processing events and sequencing rules.

| Operation | Description |
|-------------------------------|---|
| ContainsCategory | Checks whether a crawled property is associated with a crawled property category. |
| ContainsCategoryByName | Checks for the existence of a crawled property category. |
| ContainsFullTextIndex | Checks for the existence of a full-text index field. |

| Operation | Description |
|--|---|
| ContainsManagedProperty | Checks whether a managed property exists. |
| ContainsRankProfile | Checks whether a rank profile exists. |
| CreateCategoryProperty | Creates a crawled property category. |
| CreateCrawledProperties | Creates a set of crawled properties. |
| CreateCrawledProperty | Creates a crawled property. |
| CreateCrawledPropertySimple | Creates a crawled property. |
| CreateFullTextIndex | Creates a full-text index field. |
| CreateFullTextIndexMapping | Includes a managed property in a full-text index field. |
| CreateFullTextIndexRankComponent | Creates a full-text index field rank component in a rank profile. |
| CreateManagedProperty | Creates a managed property. |
| CreateManagedPropertyBoostComponent | Creates a keyword rank component in a rank profile. |
| CreateManagedPropertyMinimal | Creates a minimal managed property. |
| CreateQualityComponent | Creates a quality rank component in a rank profile. |
| CreateRankProfile | Creates a rank profile. |
| CreateRankProfileWithDefaults | Creates a rank profile with default settings. |
| DeleteCategory | Deletes a crawled property category. |
| DeleteFullTextIndex | Deletes a full-text index field. |
| DeleteFullTextIndexMapping | Removes a managed property from a full-text index field. |
| DeleteFullTextIndexRankComponent | Deletes a full-text index field rank component of a rank profile. |
| DeleteManagedProperty | Deletes a managed property. |
| DeleteManagedPropertyBoostComponent | Deletes a keyword rank component of a rank profile. |
| DeleteQualityComponent | Deletes a quality rank component in a rank profile. |
| DeleteRankProfile | Deletes a rank profile. |
| DeleteUnmappedProperties | Deletes unmapped properties in a crawled property category. |
| GetAllCategories | Retrieves all categories. |
| GetAllCrawledProperties | Retrieves all crawled properties from a crawled property category. |
| GetAllCrawledPropertiesCount | Retrieves the count of crawled properties from a crawled property category. |

| Operation | Description |
|---|---|
| GetAllFullTextIndecies | Retrieves all full-text index fields. |
| GetAllManagedProperties | Retrieves all managed properties. |
| GetAllRankProfiles | Retrieves all rank profiles. |
| GetCategory | Retrieves a crawled property category. |
| GetCategoryByName | Retrieves a crawled property category by name. |
| GetCrawledProperty | Retrieves a crawled property. |
| GetCrawledPropertyMappings | Retrieves a mapping of crawled properties. |
| GetFreshnessManagedPropertyReference | Retrieves a freshness managed property reference from a rank profile. |
| GetFullTextIndex | Retrieves a full-text index field . |
| GetFullTextIndexMappings | Retrieves the full-text index fields that include a managed property. |
| GetFullTextIndexRankCollection | Retrieves the full-text index rank collection from a rank profile. |
| GetImportanceLevelWeight | Retrieves the importance level weight from a rank profile. |
| GetManagedProperty | Retrieves a managed property from a rank profile. |
| GetManagedPropertyBoostCollection | Retrieves a managed property boost collection from a rank profile. |
| GetManagedPropertyById | Retrieves a managed property by identifier. |
| GetMappedManagedProperties | Retrieves the mapped managed properties of a crawled property. |
| GetMappingsForLevel | Retrieves the mappings for a level from a full-text index field. |
| GetPropsetCategoryMappings | Retrieves all the GUIDs associated with a crawled property category. |
| GetQualityComponentCollection | Retrieves a quality rank component collection from a rank profile. |
| GetQueryCrawledProperties | Retrieves the crawled properties. |
| GetQueryCrawledPropertiesByWildcard | Retrieves the crawled properties. |
| GetRankProfile | Retrieves the rank profile. |
| GetRefinerConfiguration | Retrieves the refiner configuration from a managed property. |
| GetUnmappedCrawledProperties | Retrieves unmapped crawled properties from a crawled property category. |

| Operation | Description |
|---|---|
| MakeDefaultFullTextIndex | Makes a full-text index field the default one to use in searches. |
| MakeDefaultRankProfile | Makes a rank profile the default one to use in searches. |
| QueryCrawledProperties | Retrieves crawled properties from a crawled property category. |
| SetCrawledPropertyMappings | Sets crawled property mappings. |
| SetFreshnessManagedPropertyReference | Sets the freshness managed property reference of a rank profile. |
| SetImportanceLevelWeight | Sets the importance level weight of a rank profile. |
| SetPropsetCategoryMappings | Associates GUIDs with a crawled property category. |
| SetRefinerConfiguration | Sets the refiner configuration of a managed property. |
| SetResultFallback | Sets the result fallback of a managed property. |
| UpdateCategory | Updates a crawled property category. |
| UpdateCrawledProperty | Updates a crawled property. |
| UpdateFullTextIndex | Updates a full-text index field. |
| UpdateFullTextIndexRankComponent | Updates the full-text index field rank component of a rank profile. |
| UpdateManagedProperty | Updates a managed property. |
| UpdateManagedPropertyBoostComponent | Updates a keyword rank component. |
| UpdateQualityComponent | Updates the quality rank component of a rank profile. |
| UpdateRankProfile | Updates a rank profile. |

3.9.4.1 ContainsCategory

The **ContainsCategory** operation checks whether a crawled property category that is identified by a given GUID exists in the search application.

```

<wsdl:operation name="ContainsCategory">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsCategory" message="tns:SchemaService_ContainsCategory_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsCategoryResponse" message="tns:SchemaService_ContainsCategory_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsCategoryAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_ContainsCategory_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_ContainsCategory_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_ContainsCategory_OutputMessage** response message.

3.9.4.1.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.1.1.1 SchemaService_ContainsCategory_InputMessage

The **SchemaService_ContainsCategory_InputMessage** request message initiates the operation to check whether the given crawled property category exists in the search system.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsCategory
```

The SOAP body MUST contain a **ContainsCategory** element.

3.9.4.1.1.2 SchemaService_ContainsCategory_OutputMessage

The **SchemaService_ContainsCategory_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_ContainsCategory_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsCategoryResponse
```

The SOAP body MUST contain a **ContainsCategoryResponse** element.

3.9.4.1.1.3

SchemaService_ContainsCategory_AdminExceptionWCFFault_FaultMessage

The **SchemaService_ContainsCategory_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_ContainsCategory_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsCategoryAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.1.2 Elements

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

3.9.4.1.2.1 ContainsCategory

The **ContainsCategory** element contains the input data for a **ContainsCategory** operation.

```

<xsd:element name="ContainsCategory">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="propset" type="ser:guid"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

propset: A GUID that identifies a crawled property category.

3.9.4.1.2.2 ContainsCategoryResponse

The **ContainsCategoryResponse** element contains the output data for a **ContainsCategory** operation. The response contains a Boolean value that specifies whether the crawled property category exists in the search application.

```

<xsd:element name="ContainsCategoryResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsCategoryResult" type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

ContainsCategoryResult: The value **MUST** be **true** if the crawled property is associated with a crawled property category; otherwise, the value **MUST** be **false**.

3.9.4.1.3 Complex Types

None.

3.9.4.1.4 Simple Types

None.

3.9.4.1.5 Attributes

None.

3.9.4.1.6 Groups

None.

3.9.4.1.7 Attribute Groups

None.

3.9.4.2 ContainsCategoryByName

The **ContainsCategoryByName** operation checks whether a named crawled property category exists.

```

<wsdl:operation name="ContainsCategoryByName">

```



```

    <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
ContainsCategoryByName" message="tns:SchemaService_ContainsCategoryByName_InputMessage"/>
    <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
ContainsCategoryByNameResponse"
message="tns:SchemaService_ContainsCategoryByName_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
ContainsCategoryByNameAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_ContainsCategoryByName_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_ContainsCategoryByName_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_ContainsCategoryByName_OutputMessage** response message.

3.9.4.2.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.2.1.1 SchemaService_ContainsCategoryByName_InputMessage

The **SchemaService_ContainsCategoryByName_InputMessage** request message initiates the operation that checks for the existence of a named crawled property category.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
ContainsCategoryByName

```

The SOAP body MUST contain a **ContainsCategoryByName** element.

3.9.4.2.1.2 SchemaService_ContainsCategoryByName_OutputMessage

The **SchemaService_ContainsCategoryByName_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_ContainsCategoryByName_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
ContainsCategoryByNameResponse

```

The SOAP body MUST contain a **ContainsCategoryByNameResponse** element.

3.9.4.2.1.3

SchemaService_ContainsCategoryByName_AdminExceptionWCFFault_FaultMessage

The **SchemaService_ContainsCategoryByName_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_ContainsCategoryByName_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
ContainsCategoryByNameAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.2.2 Elements

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

3.9.4.2.2.1 ContainsCategoryByName

The **ContainsCategoryByName** element contains the input data for a **ContainsCategoryByName** operation.

```
<xsd:element name="ContainsCategoryByName">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

name: The name of the crawled property category for which to check.

3.9.4.2.2.2 ContainsCategoryByNameResponse

The **ContainsCategoryByNameResponse** element is the output data for a **ContainsCategoryByName** operation. The response contains a Boolean value that specifies whether the crawled property category exists.

```
<xsd:element name="ContainsCategoryByNameResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="ContainsCategoryByNameResult" type="xsd:boolean"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

ContainsCategoryByNameResult: The value MUST be **true** if the crawled property category exists; otherwise, the value MUST be **false**.

3.9.4.2.3 Complex Types

None.

3.9.4.2.4 Simple Types

None.

3.9.4.2.5 Attributes

None.

3.9.4.2.6 Groups

None.

3.9.4.2.7 Attribute Groups

None.

3.9.4.3 ContainsFullTextIndex

The **ContainsFullTextIndex** operation checks whether a full-text index field exists.

```
<wsdl:operation name="ContainsFullTextIndex">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    ContainsFullTextIndex" message="tns:SchemaService_ContainsFullTextIndex_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    ContainsFullTextIndexResponse"
    message="tns:SchemaService_ContainsFullTextIndex_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    ContainsFullTextIndexAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_ContainsFullTextIndex_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_ContainsFullTextIndex_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_ContainsFullTextIndex_OutputMessage** response message.

3.9.4.3.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.3.1.1 SchemaService_ContainsFullTextIndex_InputMessage

The **SchemaService_ContainsFullTextIndex_InputMessage** request message initiates the operation that checks for the existence of a full-text index field.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsFullTextIndex
```

The SOAP body MUST contain a **ContainsFullTextIndex** element.

3.9.4.3.1.2 SchemaService_ContainsFullTextIndex_OutputMessage

The **SchemaService_ContainsFullTextIndex_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_ContainsFullTextIndex_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsFullTextIndexResponse
```

The SOAP body MUST contain a **ContainsFullTextIndexResponse** element.

3.9.4.3.1.3

SchemaService_ContainsFullTextIndex_AdminExceptionWCFFault_FaultMessage

The **SchemaService_ContainsFullTextIndex_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_ContainsFullTextIndex_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsFullTextIndexAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.3.2 Elements

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

3.9.4.3.2.1 **ContainsFullTextIndex**

The **ContainsFullTextIndex** element contains the input data for a **ContainsFullTextIndex** operation.

```
<xsd:element name="ContainsFullTextIndex">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The name of the index to check.

3.9.4.3.2.2 **ContainsFullTextIndexResponse**

The **ContainsFullTextIndexResponse** element contains the output data for a **ContainsFullTextIndex** operation. The response contains a Boolean value that specifies whether the full-text index field exists.

```
<xsd:element name="ContainsFullTextIndexResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsFullTextIndexResult" type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
```

</xsd:element>

ContainsFullTextIndexResult: The value MUST be **true** if the full-text index field exists; otherwise, the value MUST be **false**.

3.9.4.3.3 Complex Types

None.

3.9.4.3.4 Simple Types

None.

3.9.4.3.5 Attributes

None.

3.9.4.3.6 Groups

None.

3.9.4.3.7 Attribute Groups

None.

3.9.4.4 ContainsManagedProperty

The **ContainsManagedProperty** operation checks whether a managed property exists.

```
<wsdl:operation name="ContainsManagedProperty">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    ContainsManagedProperty" message="tns:SchemaService_ContainsManagedProperty_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    ContainsManagedPropertyResponse"
    message="tns:SchemaService_ContainsManagedProperty_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    ContainsManagedPropertyAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_ContainsManagedProperty_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_ContainsManagedProperty_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_ContainsManagedProperty_OutputMessage** response message.

3.9.4.4.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.4.1.1 SchemaService_ContainsManagedProperty_InputMessage

The **SchemaService_ContainsManagedProperty_InputMessage** request message initiates a check for the existence of a managed property.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
ContainsManagedProperty
```

The SOAP body MUST contain a **ContainsManagedProperty** element.

3.9.4.4.1.2 SchemaService_ContainsManagedProperty_OutputMessage

The **SchemaService_ContainsManagedProperty_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_ContainsManagedProperty_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
ContainsManagedPropertyResponse
```

The SOAP body MUST contain a **ContainsManagedPropertyResponse** element.

3.9.4.4.1.3

SchemaService_ContainsManagedProperty_AdminExceptionWCFFault_FaultMessage

The **SchemaService_ContainsManagedProperty_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_ContainsManagedProperty_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
ContainsManagedPropertyAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.4.2 Elements

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

3.9.4.4.2.1 ContainsManagedProperty

The **ContainsManagedProperty** element contains the input data for a **ContainsManagedProperty** operation.

```
<xsd:element name="ContainsManagedProperty">
  <xsd:complexType>
    <xsd:sequence>
```

```

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

```

name: The name of the managed property.

3.9.4.4.2 ContainsManagedPropertyResponse

The **ContainsManagedPropertyResponse** element contains the output data for a **ContainsManagedProperty** operation. The response contains a Boolean value that specifies whether the managed property exists.

```

<xsd:element name="ContainsManagedPropertyResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsManagedPropertyResult" type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

ContainsManagedPropertyResult: The value MUST be **true** if a managed property exists; otherwise, the value MUST be **false**.

3.9.4.4.3 Complex Types

None.

3.9.4.4.4 Simple Types

None.

3.9.4.4.5 Attributes

None.

3.9.4.4.6 Groups

None.

3.9.4.4.7 Attribute Groups

None.

3.9.4.5 ContainsRankProfile

The **ContainsRankProfile** operation checks whether a rank profile exists.

```

<wsdl:operation name="ContainsRankProfile">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    ContainsRankProfile" message="tns:SchemaService_ContainsRankProfile_InputMessage"/>

```

```

    <wsdl:output
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
      ContainsRankProfileResponse" message="tns:SchemaService_ContainsRankProfile_OutputMessage"/>
    <wsdl:fault
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
      ContainsRankProfileAdminExceptionWCFFault" name="AdminExceptionWCFFault"
      message="tns:SchemaService_ContainsRankProfile_AdminExceptionWCFFault_FaultMessage"/>
  </wsdl:operation>

```

The protocol client MUST send a **SchemaService_ContainsRankProfile_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_ContainsRankProfile_OutputMessage** response message.

3.9.4.5.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.5.1.1 SchemaService_ContainsRankProfile_InputMessage

The **SchemaService_ContainsRankProfile_InputMessage** request message initiates the operation to check whether a rank profile exists.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsRankProfile
```

The SOAP body MUST contain a **ContainsRankProfile** element.

3.9.4.5.1.2 SchemaService_ContainsRankProfile_OutputMessage

The **SchemaService_ContainsRankProfile_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_ContainsRankProfile_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsRankProfileResponse
```

The SOAP body MUST contain a **ContainsRankProfileResponse** element.

3.9.4.5.1.3

SchemaService_ContainsRankProfile_AdminExceptionWCFFault_FaultMessage

The **SchemaService_ContainsRankProfile_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_ContainsRankProfile_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
ContainsRankProfileAdminExceptionWCFFault
```


The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.5.2 Elements

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

3.9.4.5.2.1 ContainsRankProfile

The **ContainsRankProfile** element contains the input data for a **ContainsRankProfile** operation.

```
<xsd:element name="ContainsRankProfile">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The name of the rank profile to check.

3.9.4.5.2.2 ContainsRankProfileResponse

The **ContainsRankProfileResponse** element contains the output data for a **ContainsRankProfile** operation. The response contains a Boolean value that specifies whether the rank profile exists.

```
<xsd:element name="ContainsRankProfileResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsRankProfileResult" type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ContainsRankProfileResult: The value MUST be **true** if rank profile exists; otherwise, the value MUST be **false**.

3.9.4.5.3 Complex Types

None.

3.9.4.5.4 Simple Types

None.

3.9.4.5.5 Attributes

None.

3.9.4.5.6 Groups

None.

3.9.4.5.7 Attribute Groups

None.

3.9.4.6 CreateCategoryProperty

The **CreateCategoryProperty** operation creates a crawled property category. This operation MUST update the PropertyCategories.xml file, see [\[MS-FSPSCFG\]](#) section 2.3.

```
<wsdl:operation name="CreateCategoryProperty">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateCategoryProperty" message="tns:SchemaService_CreateCategoryProperty_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateCategoryPropertyResponse"
    message="tns:SchemaService_CreateCategoryProperty_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateCategoryPropertyAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_CreateCategoryProperty_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_CreateCategoryProperty_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_CreateCategoryProperty_OutputMessage** response message.

3.9.4.6.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.6.1.1 SchemaService_CreateCategoryProperty_InputMessage

The **SchemaService_CreateCategoryProperty_InputMessage** request message initiates the operation to create a crawled property category.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateCategoryProperty
```

The SOAP body MUST contain a **CreateCategoryProperty** element.

3.9.4.6.1.2 SchemaService_CreateCategoryProperty_OutputMessage

The **SchemaService_CreateCategoryProperty_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateCategoryProperty_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateCategoryPropertyResponse
```

The SOAP body MUST contain a **CreateCategoryPropertyResponse** element.

3.9.4.6.1.3

SchemaService_CreateCategoryProperty_AdminExceptionWCFFault_FaultMessage

The **SchemaService_CreateCategoryProperty_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateCategoryProperty_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateCategoryPropertyAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.6.2 Elements

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

3.9.4.6.2.1 CreateCategoryProperty

The **CreateCategoryProperty** element contains the input data for a **CreateCategoryProperty** operation.

```
<xsd:element name="CreateCategoryProperty">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="1" name="name" type="xsd:string"/>  
      <xsd:element minOccurs="0" name="Propset" type="ser:guid"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

name: The name of the crawled property category to create.

Propset: A GUID that is associated with the crawled property category. A crawled property category can be associated with multiple GUIDs using SetPropsetCategoryMappings after it has been created.

3.9.4.6.2.2 CreateCategoryPropertyResponse

The **CreateCategoryPropertyResponse** element contains the output data from a **CreateCategoryProperty** operation. The response contains a **CategoryDTO**.

```
<xsd:element name="CreateCategoryPropertyResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="CreateCategoryPropertyResult" nillable="true"  
type="tns:CategoryDTO" />  
    </xsd:sequence>  
  </xsd:complexType>
```

</xsd:element>

CreateCategoryPropertyResult: The elements of the created crawled property category.

3.9.4.6.3 Complex Types

None.

3.9.4.6.4 Simple Types

None.

3.9.4.6.5 Attributes

None.

3.9.4.6.6 Groups

None.

3.9.4.6.7 Attribute Groups

None.

3.9.4.7 CreateCrawledProperties

The **CreateCrawledProperties** operation creates a set of crawled properties. The operation **MUST** update the internal state of the protocol server, but the operation does not lead to any configuration files being updated.

```
<wsdl:operation name="CreateCrawledProperties">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateCrawledProperties" message="tns:SchemaService_CreateCrawlProperties_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateCrawledPropertiesResponse"
    message="tns:SchemaService_CreateCrawledProperties_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateCrawledPropertiesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_CreateCrawledProperties_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client **MUST** send a **SchemaService_CreateCrawledProperties_InputMessage** request message. When the operation finishes successfully, the schema server **MUST** respond with a **SchemaService_CreateCrawledProperties_OutputMessage** response message.

3.9.4.7.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.7.1.1 SchemaService_CreateCrawledProperties_InputMessage

The **SchemaService_CreateCrawledProperties_InputMessage** request message initiates the operation to create a set of crawled properties.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateCrawledProperties
```

The SOAP body MUST contain a **CreateCrawledProperties** element.

3.9.4.7.1.2 SchemaService_CreateCrawledProperties_OutputMessage

The **SchemaService_CreateCrawledProperties_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateCrawledProperties_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateCrawledPropertiesResponse
```

The SOAP body MUST contain a **CreateCrawledPropertiesResponse** element.

3.9.4.7.1.3

SchemaService_CreateCrawledProperties_AdminExceptionWCFFault_FaultMessage

The **SchemaService_CreateCrawledProperties_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateCrawledProperties_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateCrawledPropertiesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.7.2 Elements

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

3.9.4.7.2.1 CreateCrawledProperties

The **CreateCrawledProperties** element contains the input data for a **CreateCrawledProperties** operation.

```
<xsd:element name="CreateCrawlProperties">
  <xsd:complexType>
    <xsd:sequence>
```

```

        <xsd:element minOccurs="0" name="crawledProperties" type="msa:ArrayOfstring"/>
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

```

crawledProperties: The crawled properties to create. Each string value in the array consists of 3 fields that are separated by colons. These fields are specified in the following table.

| Field | Description |
|-------|--|
| 1 | GUID of the crawled property category that is associated with this crawled property. |
| 2 | Name of the crawled property. |
| 3 | The type of the crawled property, represented by an integer (see section 2.2.4.28 for the list of valid types) |

3.9.4.7.2.2 CreateCrawledPropertiesResponse

The **CreateCrawledPropertiesResponse** element contains result data for a **CreateCrawledProperties** operation. The response contains a Boolean value that specifies whether the crawled properties were created.

```

<xsd:element name="CrawledPropertiesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CrawledPropertiesResult" type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

CrawledPropertiesResult: The value is **true** if crawl properties were successfully created; otherwise, the value is **false**.

3.9.4.7.3 Complex Types

None.

3.9.4.7.4 Simple Types

None.

3.9.4.7.5 Attributes

None.

3.9.4.7.6 Groups

None.

3.9.4.7.7 Attribute Groups

None.

3.9.4.8 CreateCrawledProperty

The **CreateCrawledProperty** operation creates a crawled property. This operation updates only the internal state of the protocol server, and does not lead to any configuration files being updated.

```
<wsdl:operation name="CreateCrawledProperty">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateCrawledProperty" message="tns:SchemaService_CreateCrawledProperty_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateCrawledPropertyResponse"
    message="tns:SchemaService_CreateCrawledProperty_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateCrawledPropertyAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_CreateCrawledProperty_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_CreateCrawledProperty_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_CreateCrawledProperty_OutputMessage** response message.

3.9.4.8.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.8.1.1 SchemaService_CreateCrawledProperty_InputMessage

The **SchemaService_CreateCrawledProperty_InputMessage** request message initiates the operation to create a crawled property.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateCrawledProperty
```

The SOAP body MUST contain a **CreateCrawledProperty** element.

3.9.4.8.1.2 SchemaService_CreateCrawledProperty_OutputMessage

The **SchemaService_CreateCrawledProperty_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateCrawledProperty_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateCrawledPropertyResponse
```

The SOAP body MUST contain a **CreateCrawledPropertyResponse** element.

3.9.4.8.1.3

SchemaService_CreateCrawledProperty_AdminExceptionWCFFault_FaultMessage

The **SchemaService_CreateCrawledProperty_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateCrawledProperty_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateCrawledPropertyAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.8.2 Elements

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

3.9.4.8.2.1 CreateCrawledProperty

The **CreateCrawledProperty** element contains the input data for a **CreateCrawledProperty** operation.

```
<xsd:element name="CreateCrawledProperty">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="1" name="propertyName" type="xsd:string"/>  
      <xsd:element minOccurs="0" name="propset" type="ser:guid"/>  
      <xsd:element minOccurs="0" name="variantType" type="xsd:int "/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

propertyName: A string that specifies the name of the crawled property.

propset: The GUID of the crawled property category that is associated with this crawled property. A crawled property MUST be associated with a crawled property category.

variantType: The variant type to be given to the created crawled property. The valid values for this element are specified by the table in section [2.2.4.32](#).

3.9.4.8.2.2 CreateCrawledPropertyResponse

The **CreateCrawledPropertyResponse** element contains the result data for a **CreateCrawledProperty** operation. The response contains a **CrawledPropertyDTO**.

```
<xsd:element name="CreateCrawledPropertyResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="CreateCrawledPropertyResult" nillable="true"  
type="tns:CrawledPropertyDTO"/>  
    </xsd:sequence>  
  </xsd:complexType>
```


</xsd:element>

CreateCrawledPropertyResult: A **CrawledPropertyDTO** that contains the elements of the created crawled property.

3.9.4.8.3 Complex Types

None.

3.9.4.8.4 Simple Types

None.

3.9.4.8.5 Attributes

None.

3.9.4.8.6 Groups

None.

3.9.4.8.7 Attribute Groups

None.

3.9.4.9 CreateCrawledPropertySimple

The **CreateCrawledPropertySimple** operation creates a crawled property. This operation differs from **CreateCrawledProperty** in how the input is formatted (see the specification of the **SchemaService_CreateCrawledPropertySimple_InputMessage**). The operation **MUST** update the internal state of the protocol server, but does not lead to configuration updates outside the protocol server.

```
<wsdl:operation name="CreateCrawledPropertySimple">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateCrawledPropertySimple"
    message="tns:SchemaService_CreateCrawledPropertySimple_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateCrawledPropertySimpleResponse"
    message="tns:SchemaService_CreateCrawledPropertySimple_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateCrawledPropertySimpleAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_CreateCrawledPropertySimple_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client **MUST** send a **SchemaService_CreateCrawledPropertySimple_InputMessage** request message. When the operation finishes successfully, the schema server **MUST** respond with a **SchemaService_CreateCrawledPropertySimple_OutputMessage** response message.

3.9.4.9.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.9.1.1 SchemaService_CreateCrawledPropertySimple_InputMessage

The **SchemaService_CreateCrawledPropertySimple_InputMessage** request message initiates the operation to create a crawled property.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateCrawledPropertySimple
```

The SOAP body MUST contain a **CreateCrawledPropertySimple** element.

3.9.4.9.1.2 SchemaService_CreateCrawledPropertySimple_OutputMessage

The **SchemaService_CreateCrawledPropertySimple_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateCrawledPropertySimple_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateCrawledPropertySimpleResponse
```

The SOAP body MUST contain a **CreateCrawledPropertySimpleResponse** element.

3.9.4.9.1.3

SchemaService_CreateCrawledPropertySimple_AdminExceptionWCFFault_FaultMessage

The **SchemaService_CreateCrawledPropertySimple_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateCrawledPropertySimple_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateCrawledPropertySimpleAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.9.2 Elements

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

3.9.4.9.2.1 CreateCrawledPropertySimple

The **CreateCrawledPropertySimple** element contains the input data for a **CreateCrawledPropertySimple** operation.

```
<xsd:element name="CreateCrawledPropertySimple">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="crawledProperty" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

crawledProperty: The crawled property to create. This value consists of 3 fields, separated by colons. These fields are specified in the table in section [3.9.4.7.2.1](#).

3.9.4.9.2.2 CreateCrawledPropertySimpleResponse

The **CreateCrawledPropertySimpleResponse** element contains the output data for a **CreateCrawledPropertySimple** operation. The response contains a Boolean value that specifies whether the crawled property simple was created.

```
<xsd:element name="CreateCrawledPropertySimpleResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateCrawledPropertySimpleResult"
type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CreateCrawledPropertySimpleResult: The value MUST be **true** if the crawled property was created successfully; otherwise, the value MUST be **false**.

3.9.4.9.3 Complex Types

None.

3.9.4.9.4 Simple Types

None.

3.9.4.9.5 Attributes

None.

3.9.4.9.6 Groups

None.

3.9.4.9.7 Attribute Groups

None.

3.9.4.10 CreateFullTextIndex

The **CreateFullTextIndex** operation creates a new full-text index field. The operation is asynchronous. This operation MUST update the rank.cf, index.cf, indexConfig.xml and FieldProperties.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```
<wsdl:operation name="CreateFullTextIndex">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateFullTextIndex" message="tns:SchemaService_CreateFullTextIndex_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateFullTextIndexResponse" message="tns:SchemaService_CreateFullTextIndex_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateFullTextIndexAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_CreateFullTextIndex_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_CreateFullTextIndex_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_CreateFullTextIndex_OutputMessage** response message.

3.9.4.10.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.10.1.1 SchemaService_CreateFullTextIndex_InputMessage

The **SchemaService_CreateFullTextIndex_InputMessage** request message initiates the operation to create a new full-text index field.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateFullTextIndex
```

The SOAP body MUST contain a **CreateFullTextIndex** element.

3.9.4.10.1.2 SchemaService_CreateFullTextIndex_OutputMessage

The **SchemaService_CreateFullTextIndex_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateFullTextIndex_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateFullTextIndexResponse
```

The SOAP body MUST contain a **CreateFullTextIndexResponse** element.

3.9.4.10.1.3

SchemaService_CreateFullTextIndex_AdminExceptionWCFFault_FaultMessage

The **SchemaService_CreateFullTextIndex_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateFullTextIndex_InputMessage** message. The schema server **MUST** return this response message when an error occurs.

The SOAP action value of the message **MUST** be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateFullTextIndexAdminExceptionWCFFault
```

The SOAP body **MUST** contain an **AdminExceptionWCF** element.

3.9.4.10.2 Elements

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

3.9.4.10.2.1 CreateFullTextIndex

The **CreateFullTextIndex** element contains the input data for a **CreateFullTextIndex** operation.

```
<xsd:element name="CreateFullTextIndex">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="name" type="xsd:string"/>  
      <xsd:element minOccurs="0" name="description" nillable="true" type="xsd:string"/>  
      <xsd:element minOccurs="0" name="lemmatizationEnabled" type="xsd:boolean"/>  
      <xsd:element minOccurs="0" name="deleteDisallowed" type="xsd:boolean"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

name: The name of the full-text index field. This name **MUST** be unique.

description: The description of the full-text index field.

lemmatizationEnabled: The value **MUST** be **true** if stemming is to be enabled; otherwise, the value **MUST** be **false**.

deleteDisallowed: The value **MUST** be **true** if a delete operation is not allowed; otherwise, the value **MUST** be **false**.

3.9.4.10.2.2 CreateFullTextIndexResponse

The **CreateFullTextIndexResponse** element contains the output data from a **CreateFullTextIndex** operation. The response contains a **FullTextIndexDTO**.

```
<xsd:element name="CreateFullTextIndexResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="CreateFullTextIndexResult" nillable="true"  
type="tns:FullTextIndexDTO" />  
    </xsd:sequence>  
</xsd:element>
```

```

    </xsd:complexType>
  </xsd:element>

```

CreateFullTextIndexResult: A **FullTextIndexDTO** that contains the elements of the created full-text index field.

3.9.4.10.3 Complex Types

None.

3.9.4.10.4 Simple Types

None.

3.9.4.10.5 Attributes

None.

3.9.4.10.6 Groups

None.

3.9.4.10.7 Attribute Groups

None.

3.9.4.11 CreateFullTextIndexMapping

The **CreateFullTextIndexMapping** operation includes a managed property in a full-text index field, causing the content of the managed property to become indexed. The operation requires reprocessing of the content for it to be included into the full-text index field. Reprocessing is done by re-feeding the content through the item processing service from the original content source (see [\[MS-FSO\]](#) section 2.1.1.4).

This operation MUST update the FieldProperties.xml, indexConfig.xml and fixml_mappings.xml files (see [\[MS-FSSCFG\]](#) section 2). If the managed property has the summary type set to dynamic, the protocol server MUST also update the fsearch.addon file (see [\[MS-FSSCFG\]](#) section 2.7).

```

<wsdl:operation name="CreateFullTextIndexMapping">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateFullTextIndexMapping"
    message="tns:SchemaService_CreateFullTextIndexMapping_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateFullTextIndexMappingResponse"
    message="tns:SchemaService_CreateFullTextIndexMapping_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateFullTextIndexMappingAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_CreateFullTextIndexMapping_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_CreateFullTextIndexMapping_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_CreateFullTextIndexMapping_OutputMessage** response message.

3.9.4.11.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.11.1.1 SchemaService_CreateFullTextIndexMapping_InputMessage

The **SchemaService_CreateFullTextIndexMapping_InputMessage** request message initiates the operation to add a managed property to a full-text index field.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateFullTextIndexMapping
```

The SOAP body MUST contain a **CreateFullTextIndexMapping** element.

3.9.4.11.1.2 SchemaService_CreateFullTextIndexMapping_OutputMessage

The **SchemaService_CreateFullTextIndexMapping_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateFullTextIndexMapping_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateFullTextIndexMappingResponse
```

The SOAP body MUST contain a **CreateFullTextIndexMappingResponse** element.

3.9.4.11.1.3

SchemaService_CreateFullTextIndexMapping_AdminExceptionWCFFault_FaultMessage

The **SchemaService_CreateFullTextIndexMapping_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateFullTextIndexMapping_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateFullTextIndexMappingAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.11.2 Elements

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

3.9.4.11.2.1 CreateFullTextIndexMapping

The **CreateFullTextIndexMapping** element contains the input data for a **CreateFullTextIndexMapping** operation.

```
<xsd:element name="CreateFullTextIndexMapping">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ManagedPropertyId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="FullTextIndexId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="ImportanceLevel" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ManagedPropertyId: The identifier of the managed property.

FullTextIndexId: The identifier of the full-text index field.

ImportanceLevel: An indication of the importance level of the managed property in the full-text index field. The value **MUST** be in the range from 1 through 7.

3.9.4.11.2.2 CreateFullTextIndexMappingResponse

The **CreateFullTextIndexMappingResponse** element contains the output data from a **CreateFullTextIndexMapping** operation. The response contains a **FullTextIndexMappingDTO**.

```
<xsd:element name="CreateFullTextIndexMappingResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateFullTextIndexMappingResult" nillable="true"
type="tns:FullTextIndexMappingDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CreateFullTextIndexMappingResult: A **FullTextIndexMappingDTO** containing the elements of the full-text index field mapping that was created.

3.9.4.11.3 Complex Types

None.

3.9.4.11.4 Simple Types

None.

3.9.4.11.5 Attributes

None.

3.9.4.11.6 Groups

None.

3.9.4.11.7 Attribute Groups

None.

3.9.4.12 CreateFullTextIndexRankComponent

The **CreateFullTextIndexRankComponent** operation creates a full-text index field rank component in the given rank profile. The rank component applies to the given full-text index field. This rank component controls how each importance level in the full-text index field is weighted when calculating rank. This operation is asynchronous, and there is no operation to verify whether it has finished. This operation MUST update the rank.cf and indexConfig.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```
<wsdl:operation name="CreateFullTextIndexRankComponent">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateFullTextIndexRankComponent"
    message="tns:SchemaService_CreateFullTextIndexRankComponent_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateFullTextIndexRankComponentResponse"
    message="tns:SchemaService_CreateFullTextIndexRankComponent_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateFullTextIndexRankComponentAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_CreateFullTextIndexRankComponent_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a

SchemaService_CreateFullTextIndexRankComponent_InputMessage request message.

When the operation finishes successfully, the schema server MUST respond with a

SchemaService_CreateFullTextIndexRankComponent_OutputMessage response message.

3.9.4.12.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.12.1.1 SchemaService_CreateFullTextIndexRankComponent_InputMessage

The **SchemaService_CreateFullTextIndexRankComponent_InputMessage** request message initiates the operation to create a full-text index field rank component.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateFullTextIndexRankComponent
```

The SOAP body MUST contain a **CreateFullTextIndexRankComponent** element.

3.9.4.12.1.2

SchemaService_CreateFullTextIndexRankComponent_OutputMessage

The **SchemaService_CreateFullTextIndexRankComponent_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateFullTextIndexRankComponent_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateFullTextIndexRankComponentResponse
```

The SOAP body MUST contain a **CreateFullTextIndexRankComponentResponse** element.

3.9.4.12.1.3

SchemaService_CreateFullTextIndexRankComponent_AdminExceptionWCFFault_FaultMessage

The **SchemaService_CreateFullTextIndexRankComponent_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateFullTextIndexRankComponent_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateFullTextIndexRankComponentAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.12.2 Elements

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

3.9.4.12.2.1 CreateFullTextIndexRankComponent

The **CreateFullTextIndexRankComponent** element contains the input data for a **CreateFullTextIndexRankComponent** operation.

```
<xsd:element name="CreateFullTextIndexRankComponent">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>  
      <xsd:element minOccurs="0" name="FullTextIndexReference" type="xsd:string"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

RankProfileId: The identifier of the rank profile. This value MUST be the identifier of an existing rank profile.

FullTextIndexReference: A reference to the full-text index field. This value MUST be a reference to an existing full-text index field.

3.9.4.12.2.2 CreateFullTextIndexRankComponentResponse

The **CreateFullTextIndexRankComponentResponse** element contains the output data from a **CreateFullTextIndexRankComponent** operation. The response contains a **FullTextIndexRankComponentDTO**.

```
<xsd:element name="CreateFullTextIndexRankComponentResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateFullTextIndexRankComponentResult"
        nillable="true" type="tns:FullTextIndexRankComponentDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CreateFullTextIndexRankComponentResult: A **FullTextIndexRankComponentDTO** containing the elements of the full-text index field rank component that was created.

3.9.4.12.3 Complex Types

None.

3.9.4.12.4 Simple Types

None.

3.9.4.12.5 Attributes

None.

3.9.4.12.6 Groups

None.

3.9.4.12.7 Attribute Groups

None.

3.9.4.13 CreateManagedProperty

The **CreateManagedProperty** operation creates a managed property. This operation is asynchronous. This operation MUST update the fixml_mappings.xml, index.cf, indexConfig.xml, FieldProperties.xml, summary.cf, summaryclasses.xml, resultspace.xml (see [\[MS-FSSCFG\]](#) section 2) and all result.templ files (see [\[MS-FSQRCFG\]](#) section 2.7). If sorting is enabled on the managed property, then the fieldspec.xml file MUST also be updated (see [\[MS-FSSCFG\]](#) section 3.2). If the summary type is set to dynamic, then fsearch.addon and summary.map MUST also be updated (see [\[MS-FSSCFG\]](#) section 2). If the new managed property is a integer, float, decimal or datetime, then the maptransform.xml file MUST also be updated (see [\[MS-FSSCFG\]](#) section 2.2).

```
<wsdl:operation name="CreateManagedProperty">
```

```

    <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateManagedProperty" message="tns:SchemaService_CreateManagedProperty_InputMessage"/>
    <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateManagedPropertyResponse"
message="tns:SchemaService_CreateManagedProperty_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateManagedPropertyAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_CreateManagedProperty_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_CreateManagedProperty_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_CreateManagedProperty_OutputMessage** response message.

3.9.4.13.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.13.1.1 SchemaService_CreateManagedProperty_InputMessage

The **SchemaService_CreateManagedProperty_InputMessage** request message initiates the operation to create a managed property.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateManagedProperty

```

The SOAP body MUST contain a **CreateManagedProperty** element.

3.9.4.13.1.2 SchemaService_CreateManagedProperty_OutputMessage

The **SchemaService_CreateManagedProperty_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateManagedProperty_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateManagedPropertyResponse

```

The SOAP body MUST contain a **CreateManagedPropertyResponse** element.

3.9.4.13.1.3

SchemaService_CreateManagedProperty_AdminExceptionWCFFault_FaultMessage

The **SchemaService_CreateManagedProperty_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateManagedProperty_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateManagedPropertyAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.13.2 Elements

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

3.9.4.13.2.1 CreateManagedProperty

The **CreateManagedProperty** element contains the input data for a **CreateManagedProperty** operation.

```
<xsd:element name="CreateManagedProperty">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="Name" nillable="true" type="xsd:string" />  
      <xsd:element minOccurs="0" name="Description" nillable="true" type="xsd:string"/>  
      <xsd:element minOccurs="0" name="type" type="xsd:int"/>  
      <xsd:element minOccurs="0" name="queryable" type="xsd:boolean"/>  
      <xsd:element minOccurs="0" name="sortableType" type="xsd:int"/>  
      <xsd:element minOccurs="0" name="enableLemmatization" type="xsd:boolean"/>  
      <xsd:element minOccurs="0" name="SummaryType" type="xsd:int"/>  
      <xsd:element minOccurs="0" name="mappingDisallowed" type="xsd:boolean"/>  
      <xsd:element minOccurs="0" name="deleteDisallowed" type="xsd:boolean"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

Name: The name of the managed property. This value MUST not be **null**.

Description: A description of the managed property.

type: Determines the type of the managed property. The table of type values in section [2.2.4.28](#) specifies valid values for this element.

queryable: The value MUST be **true** if the managed property can be queried; otherwise, the value MUST be **false**.

sortableType: Determines how the managed property is sorted. The table of **sortableType** values in section [2.2.4.28](#) specifies valid values for this element.

enableLemmatization: The value MUST be **true** if stemming is enabled; otherwise, the value MUST be **false**.

SummaryType: The **SummaryType** of a managed property specifies whether to generate summaries for the selected managed property. A summary can be static or dynamic. The table of **SummaryType** values in section [2.2.4.28](#) specifies the valid values for this element.

mappingDisallowed: The value MUST be **true** if the managed property is not mapped; otherwise, the value MUST be **false**.

deleteDisallowed: The value MUST be **true** if the managed property can be deleted; otherwise, the value MUST be **false**.

3.9.4.13.2.2 CreateManagedPropertyResponse

The **CreateManagedPropertyResponse** element contains the output data from a **CreateManagedProperty** operation. The response contains a **ManagedPropertyDTO**.

```
<xsd:element name="CreateManagedPropertyResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateManagedPropertyResult" nillable="true"
type="tns:ManagedPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CreateManagedPropertyResult: A **ManagedPropertyDTO** containing the elements of the managed property that was created.

3.9.4.13.3 Complex Types

None.

3.9.4.13.4 Simple Types

None.

3.9.4.13.5 Attributes

None.

3.9.4.13.6 Groups

None.

3.9.4.13.7 Attribute Groups

None.

3.9.4.14 CreateManagedPropertyBoostComponent

The **CreateManagedPropertyBoostComponent** operation creates a keyword rank component for a managed property. The keyword rank component is associated with a rank profile, so that a managed property can have different keyword rank components based on which rank profile is in use. This operation is asynchronous. This operation MUST update the ManagedPropertyBoosts.xml file (see [\[MS-FSSCFG\]](#) section 2).

```
<wsdl:operation name="CreateManagedPropertyBoostComponent">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateManagedPropertyBoostComponent"
message="tns:SchemaService_CreateManagedPropertyBoostComponent_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
```

```

CreateManagedPropertyBoostComponentResponse"
message="tns:SchemaService_CreateManagedPropertyBoostComponent_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateManagedPropertyBoostComponentAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_CreateManagedPropertyBoostComponent_AdminExceptionWCFFault_FaultMe
ssage"/>
</wsdl:operation>

```

The protocol client MUST send a

SchemaService_CreateManagedPropertyBoostComponent_InputMessage request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_CreateManagedPropertyBoostComponent_OutputMessage** response message.

3.9.4.14.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.14.1.1

SchemaService_CreateManagedPropertyBoostComponent_InputMessage

The **SchemaService_CreateManagedPropertyBoostComponent_InputMessage** request message initiates the operation to create a keyword rank component for a managed property.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateManagedPropertyBoostComponent

```

The SOAP body MUST contain a **CreateManagedPropertyBoostComponent** element.

3.9.4.14.1.2

SchemaService_CreateManagedPropertyBoostComponent_OutputMessage

The **SchemaService_CreateManagedPropertyBoostComponent_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateManagedPropertyBoostComponent_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateManagedPropertyBoostComponentResponse

```

The SOAP body MUST contain a **CreateManagedPropertyBoostComponentResponse** element.

3.9.4.14.1.3

SchemaService_CreateManagedPropertyBoostComponent_AdminExceptionWCFFault_FaultMessage

The

SchemaService_CreateManagedPropertyBoostComponent_AdminExceptionWCFFault_FaultMessage response message is sent in reply to the request that is initiated by the

SchemaService_CreateManagedPropertyBoostComponent_InputMessage message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateManagedPropertyBoostComponentAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.14.2 Elements

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

3.9.4.14.2.1 CreateManagedPropertyBoostComponent

The **CreateManagedPropertyBoostComponent** element contains the input data for a **CreateManagedPropertyBoostComponent** operation.

```
<xsd:element name="CreateManagedPropertyBoostComponent">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />  
      <xsd:element minOccurs="0" name="ManagedPropertyName" nillable="true" type="xsd:string" />  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

RankProfileId: The identifier of the rank profile to which the managed property belongs.

ManagedPropertyName: The name of the managed property.

BoostValue: One or more concatenated boost value(s) of the keyword rank component. A boost value MUST be a string formatted as "<boost term>, <boost amount>". For example, "Microsoft, 200". Multiple boost values can be given at once. For example, "Microsoft, 200, Word, 3000".

3.9.4.14.2.2 CreateManagedPropertyBoostComponentResponse

The **CreateManagedPropertyBoostComponentResponse** element contains the output data from a **CreateManagedPropertyBoostComponent** operation. The response contains a **ManagedPropertyBoostComponentDTO**.

```
<xsd:element name="CreateManagedPropertyBoostComponentResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="CreateManagedPropertyBoostComponentResult" nillable="true" type="tns:ManagedPropertyBoostComponentDTO" />  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```


CreateManagedPropertyBoostComponentResult: A **ManagedPropertyBoostComponentDTO** containing the elements of the keyword rank component that was created.

3.9.4.14.3 Complex Types

None.

3.9.4.14.4 Simple Types

None.

3.9.4.14.5 Attributes

None.

3.9.4.14.6 Groups

None.

3.9.4.14.7 Attribute Groups

None.

3.9.4.15 CreateManagedPropertyMinimal

The **CreateManagedPropertyMinimal** operation creates a minimal managed property. This operation is asynchronous. This operation MUST update the fixml_mappings.xml, index.cf, indexConfig.xml, FieldProperties.xml, summary.cf, summaryclasses.xml, resultspace.xml (see [\[MS-FSSCFG\]](#) section 2) and all result.templ files (see [\[MS-FSQRCFG\]](#) section 2.7). If the new managed property is a integer, float, decimal or datetime, then the maptransform.xml file MUST also be updated (see [\[MS-FSSCFG\]](#) section 2.2).

```
<wsdl:operation name="CreateManagedPropertyMinimal">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateManagedPropertyMinimal"
    message="tns:SchemaService_CreateManagedPropertyMinimal_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateManagedPropertyMinimalResponse"
    message="tns:SchemaService_CreateManagedPropertyMinimal_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateManagedPropertyMinimalAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_CreateManagedPropertyMinimal_AdminExceptionWCFFault_FaultMessage"/
  >
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_CreateManagedPropertyMinimal_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_CreateManagedPropertyMinimal_OutputMessage** response message.

3.9.4.15.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.15.1.1 SchemaService_CreateManagedPropertyMinimal_InputMessage

The **SchemaService_CreateManagedPropertyMinimal_InputMessage** request message initiates the creation of a minimal managed property.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateManagedPropertyMinimal
```

The SOAP body MUST contain a **CreateManagedPropertyMinimal** element.

3.9.4.15.1.2 SchemaService_CreateManagedPropertyMinimal_OutputMessage

The **SchemaService_CreateManagedPropertyMinimal_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateManagedPropertyMinimal_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateManagedPropertyMinimalResponse
```

The SOAP body MUST contain a **CreateManagedPropertyMinimalResponse** element.

3.9.4.15.1.3

SchemaService_CreateManagedPropertyMinimal_AdminExceptionWCFFault_Fault Message

The **SchemaService_CreateManagedPropertyMinimal_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateManagedPropertyMinimal_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
CreateManagedPropertyMinimalAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.15.2 Elements

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

3.9.4.15.2.1 CreateManagedPropertyMinimal

The **CreateManagedPropertyMinimal** element contains the input data for a **CreateManagedPropertyMinimal** operation.

```
<xsd:element name="CreateManagedPropertyMinimal">  
  <xsd:complexType>
```

```

    <xsd:sequence>
      <xsd:element minOccurs="0" name="Name" type="xsd:string"/>
      <xsd:element minOccurs="0" name="Description" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="type" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

Name: The name of the rank profile to which the managed property belongs.

Description: The name of the managed property.

type: The type of managed property to create. The managed property types are defined in [2.2.4.29](#).

3.9.4.15.2.2 CreateManagedPropertyMinimalResponse

The **CreateManagedPropertyMinimalResponse** element contains the output data from a **CreateManagedPropertyMinimal** operation. The response contains a **ManagedPropertyDTO**.

```

<xsd:element name="CreateManagedPropertyMinimalResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateManagedPropertyMinimalResult" nillable="true"
type="tns:ManagedPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

CreateManagedPropertyMinimalResult: A **ManagedPropertyDTO** containing the elements of the minimal managed property that was created.

3.9.4.15.3 Complex Types

None.

3.9.4.15.4 Simple Types

None.

3.9.4.15.5 Attributes

None.

3.9.4.15.6 Groups

None.

3.9.4.15.7 Attribute Groups

None.

3.9.4.16 CreateQualityComponent

The **CreateQualityComponent** operation creates a quality rank component. A quality rank component is a list of which internal properties are used to calculate the quality rank. This operation **MUST** add a new quality rank component to the list. This operation is asynchronous, and there is no operation to verify whether it has finished. This operation **MUST** update the rank.cf and indexConfig.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```
<wsdl:operation name="CreateQualityComponent">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateQualityComponent" message="tns:SchemaService_CreateQualityComponent_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateQualityComponentResponse"
    message="tns:SchemaService_CreateQualityComponent_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateQualityComponentAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_CreateQualityComponent_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client **MUST** send a **SchemaService_CreateQualityComponent_InputMessage** request message. When the operation finishes successfully, the schema server **MUST** respond with a **SchemaService_CreateQualityComponent_OutputMessage** response message.

3.9.4.16.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.16.1.1 SchemaService_CreateQualityComponent_InputMessage

The **SchemaService_CreateQualityComponent_InputMessage** request message initiates the operation to create the quality rank component.

The SOAP action value of the message **MUST** be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateQualityComponent
```

The SOAP body **MUST** contain a **CreateQualityComponent** element.

3.9.4.16.1.2 SchemaService_CreateQualityComponent_OutputMessage

The **SchemaService_CreateQualityComponent_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateQualityComponent_InputMessage** message.

The SOAP action value of the message **MUST** be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateQualityComponentResponse
```

The SOAP body **MUST** contain a **CreateQualityComponentResponse** element.

3.9.4.16.1.3

SchemaService_CreateQualityComponent_AdminExceptionWCFFault_FaultMessage

The **SchemaService_CreateQualityComponent_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateQualityComponent_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateQualityComponent_AdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.16.2 Elements

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

3.9.4.16.2.1 CreateQualityComponent

The **CreateQualityComponent** element contains the input data for a **CreateQualityComponent** operation.

```
<xsd:element name="CreateQualityComponent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="ManagedPropertyName" type="xsd:string"/>
      <xsd:element minOccurs="0" name="Weight" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RankProfileId: The identifier of the rank profile to which the quality rank component belongs.

ManagedPropertyName: The name of the managed property.

Weight: The weight of the quality rank component.

3.9.4.16.2.2 CreateQualityComponentResponse

The **CreateQualityComponentResponse** element contains the output data from a **CreateQualityComponent** operation. The response contains a **QualityComponentDTO**.

```
<xsd:element name="CreateQualityComponentResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateQualityComponentResult" nillable="true"
type="tns:QualityComponentDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CreateQualityComponentResult: A **QualityComponentDTO** containing the elements of the minimal managed property that was created.

3.9.4.16.3 Complex Types

None.

3.9.4.16.4 Simple Types

None.

3.9.4.16.5 Attributes

None.

3.9.4.16.6 Groups

None.

3.9.4.16.7 Attribute Groups

None.

3.9.4.17 CreateRankProfile

The **CreateRankProfile** operation creates a new rank profile that is a clone of an existing rank profile with the new name specified in the request message and a new ID. This operation is asynchronous. This operation MUST update the rank.cf, indexConfig.xml, search_preload, fieldspec.xml and rankspace.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```
<wsdl:operation name="CreateRankProfile">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateRankProfile" message="tns:SchemaService_CreateRankProfile_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateRankProfileResponse" message="tns:SchemaService_CreateRankProfile_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    CreateRankProfileAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_CreateRankProfile_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_CreateRankProfile_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_CreateRankProfile_OutputMessage** message.

3.9.4.17.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.17.1.1 SchemaService_CreateRankProfile_InputMessage

The **SchemaService_CreateRankProfile_InputMessage** request message initiates the operation to create a copy of an existing rank profile.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateRankProfile
```

The SOAP body MUST contain a **CreateRankProfile** element.

3.9.4.17.1.2 SchemaService_CreateRankProfile_OutputMessage

The **SchemaService_CreateRankProfile_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateRankProfile_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateRankProfileResponse
```

The SOAP body MUST contain a **CreateRankProfileResponse** element.

3.9.4.17.1.3

SchemaService_CreateRankProfile_AdminExceptionWCFFault_FaultMessage

The **SchemaService_CreateRankProfile_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateRankProfile_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateRankProfileAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.17.2 Elements

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

3.9.4.17.2.1 CreateRankProfile

The **CreateRankProfile** element contains the input data for a **CreateRankProfile** operation.

```
<xsd:element name="CreateRankProfile">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="Name" nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="dto" nillable="true" type="tns:RankProfileDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

Name: The name of the rank profile to create. This element MUST be present and it MUST not be null.

dto: The elements of the rank profile to copy. This element MUST be present, it MUST NOT be **null** and it MUST represent an existing rank profile retrieved through a call to **GetRankProfile** (see section [3.9.4.52](#)).

3.9.4.17.2.2 CreateRankProfileResponse

The **CreateRankProfileResponse** element contains the output data from a **CreateRankProfile** operation. The response contains a **RankProfileDTO**.

```
<xsd:element name="CreateRankProfileResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateRankProfileResult" nillable="true"
type="tns:RankProfileDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CreateRankProfileResult: The elements of the created rank profile.

3.9.4.17.3 Complex Types

None.

3.9.4.17.4 Simple Types

None.

3.9.4.17.5 Attributes

None.

3.9.4.17.6 Groups

None.

3.9.4.17.7 Attribute Groups

None.

3.9.4.18 CreateRankProfileWithDefaults

The **CreateRankProfileWithDefaults** operation creates a rank profile with default values. This operation is asynchronous. This operation MUST update the rank.cf, indexConfig.xml, fieldspec.xml and rankspace.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```
<wsdl:operation name="CreateRankProfileWithDefaults">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateRankProfileWithDefaults"
message="tns:SchemaService_CreateRankProfileWithDefaults_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateRankProfileWithDefaultsResponse"
message="tns:SchemaService_CreateRankProfileWithDefaults_OutputMessage"/>
```



```

    <wsdl:fault
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
      CreateRankProfileWithDefaultsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
      message="tns:SchemaService_CreateRankProfileWithDefaults_AdminExceptionWCFFault_FaultMessage"
    />
  </wsdl:operation>

```

The protocol client MUST send a **SchemaService_CreateRankProfileWithDefaults_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_CreateRankProfileWithDefaults_OutputMessage** response message.

3.9.4.18.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.18.1.1 SchemaService_CreateRankProfileWithDefaults_InputMessage

The **SchemaService_CreateRankProfileWithDefaults_InputMessage** request message initiates the operation to create a default rank profile.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateRankProfileWithDefaults

```

The SOAP body MUST contain a **CreateRankProfileWithDefaults** element.

3.9.4.18.1.2 SchemaService_CreateRankProfileWithDefaults_OutputMessage

The **SchemaService_CreateRankProfileWithDefaults_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateRankProfileWithDefaults_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateRankProfileWithDefaultsResponse

```

The SOAP body MUST contain a **CreateRankProfileWithDefaultsResponse** element.

3.9.4.18.1.3

SchemaService_CreateRankProfileWithDefaults_AdminExceptionWCFFault_Fault Message

The **SchemaService_CreateRankProfileWithDefaults_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_CreateRankProfileWithDefaults_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
CreateRankProfileWithDefaultsAdminExceptionWCFFault

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.18.2 Elements

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

3.9.4.18.2.1 CreateRankProfileWithDefaults

The **CreateRankProfileWithDefaults** element contains the input data for a **CreateRankProfileWithDefaults** operation.

```
<xsd:element name="CreateRankProfileWithDefaults">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" name="Name" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

Name: The name of the rank profile to create.

3.9.4.18.2.2 CreateRankProfileWithDefaultsResponse

The **CreateRankProfileWithDefaultsResponse** element contains the output data from a **CreateRankProfileWithDefaults** operation. The response contains a **RankProfileDTO**.

```
<xsd:element name="CreateRankProfileWithDefaultsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateRankProfileWithDefaultsResult" nillable="true"
type="tns:RankProfileDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CreateRankProfileWithDefaultsResult: The elements of the created rank profile with a set of default values.

3.9.4.18.3 Complex Types

None.

3.9.4.18.4 Simple Types

None.

3.9.4.18.5 Attributes

None.

3.9.4.18.6 Groups

None.

3.9.4.18.7 Attribute Groups

None.

3.9.4.19 DeleteCategory

The **DeleteCategory** operation deletes the crawled property category, including its crawled properties. This operation MUST update the PropertyCategories.xml file (see [\[MS-FSPSCFG\]](#) section 2.3). If any crawled properties are associated with this crawled property category, then this operation MUST also update the ManagedProperties.xml configuration file (see [\[MS-FSPSCFG\]](#) section 2.2).

```
<wsdl:operation name="DeleteCategory">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
DeleteCategory" message="tns:SchemaService_DeleteCategory_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/
SchemaService/DeleteCategoryResponse"
    message="tns:SchemaService_DeleteCategory_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
DeleteCategoryAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_DeleteCategory_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_DeleteCategory_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_DeleteCategory_OutputMessage** response message.

3.9.4.19.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.19.1.1 SchemaService_DeleteCategory_InputMessage

The **SchemaService_DeleteCategory_InputMessage** request message initiates the operation that deletes the crawled property category and its crawled properties.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteCategory
```

The SOAP body MUST contain a **DeleteCategory** element.

3.9.4.19.1.2 SchemaService_DeleteCategory_OutputMessage

The **SchemaService_DeleteCategory_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteCategory_InputMessage** message.

The SOAP action value of the message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteCategoryResponse`

The SOAP body MUST contain a **DeleteCategoryResponse** element.

3.9.4.19.1.3

SchemaService_DeleteCategory_AdminExceptionWCFFault_FaultMessage

The **SchemaService_DeleteCategory_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteCategory_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

`http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteCategoryAdminExceptionWCFFault`

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.19.2 Elements

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

3.9.4.19.2.1 DeleteCategory

The **DeleteCategory** element contains the input data for a **DeleteCategory** operation.

```
<xsd:element name="DeleteCategory">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CategoryId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CategoryId: The identifier of the crawled property category to delete.

3.9.4.19.2.2 DeleteCategoryResponse

The **DeleteCategoryResponse** element contains the result data for a **DeleteCategory** operation.

```
<xsd:element name="DeleteCategoryResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.9.4.19.3 Complex Types

None.

3.9.4.19.4 Simple Types

None.

3.9.4.19.5 Attributes

None.

3.9.4.19.6 Groups

None.

3.9.4.19.7 Attribute Groups

None.

3.9.4.20 DeleteFullTextIndex

The **DeleteFullTextIndex** operation deletes the full-text index field asynchronously. The protocol server does not offer any operations to discover when this operation is finished. After the operation has finished, the protocol server will still have the content of the **full-text index catalog** stored (but it is disabled), and a full re-feed and re-indexing of the content source is necessary to free up all resources used by a full-text index field. See [\[MS-FSO\]](#) section 2.1.1.4 for details on the item processing service. This operation MUST update the rank.cf, index.cf, indexConfig.xml and FieldProperties.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```
<wsdl:operation name="DeleteFullTextIndex">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    DeleteFullTextIndex" message="tns:SchemaService_DeleteFullTextIndex_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/
    SchemaService/DeleteFullTextIndexResponse"
    message="tns:SchemaService_DeleteFullTextIndex_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    DeleteFullTextIndexAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_DeleteFullTextIndex_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_DeleteFullTextIndex_InputMessage** request message and the schema server MUST respond with a **SchemaService_DeleteFullTextIndex_OutputMessage** response message when the operation finishes successfully.

3.9.4.20.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.20.1.1 SchemaService_DeleteFullTextIndex_InputMessage

The **SchemaService_DeleteFullTextIndex_InputMessage** request message initiates the operation to delete the full-text index field asynchronously.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteFullTextIndex
```

The SOAP body MUST contain a **DeleteFullTextIndex** element.

3.9.4.20.1.2 SchemaService_DeleteFullTextIndex_OutputMessage

The **SchemaService_DeleteFullTextIndex_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteFullTextIndex_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteFullTextIndexResponse
```

The SOAP body MUST contain a **DeleteFullTextIndexResponse** element.

3.9.4.20.1.3

SchemaService_DeleteFullTextIndex_AdminExceptionWCFFault_FaultMessage

The **SchemaService_DeleteFullTextIndex_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteFullTextIndex_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteFullTextIndexAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.20.2 Elements

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

3.9.4.20.2.1 DeleteFullTextIndex

The **DeleteFullTextIndex** element contains the input data for a **DeleteFullTextIndex** operation.

```
<xsd:element name="DeleteFullTextIndex">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="FullTextIndexName" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
```

```
</xsd:element>
```

FullTextIndexName: The name of the full-text index field to delete.

3.9.4.20.2.2 DeleteFullTextIndexResponse

The **DeleteFullTextIndexResponse** element contains the result data for a **DeleteFullTextIndex** operation.

```
<xsd:element name="DeleteFullTextIndexResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.9.4.20.3 Complex Types

None.

3.9.4.20.4 Simple Types

None.

3.9.4.20.5 Attributes

None.

3.9.4.20.6 Groups

None.

3.9.4.20.7 Attribute Groups

None.

3.9.4.21 DeleteFullTextIndexMapping

The **DeleteFullTextIndexMapping** operation removes a managed property from a full-text index field. Deleting a mapping does not have any effect on the existing content in the search index, and the operation requires re-feeding and re-indexing of the content source to complete the change. This operation MUST update the FieldProperties.xml, indexConfig.xml and fixml_mappings.xml files (see [\[MS-FSSCFG\]](#) section 2). If the managed property has the summary type set to dynamic, the protocol server MUST also update the fsearch.addon file (see [\[MS-FSSCFG\]](#) section 2.7). This operation is asynchronous.

```
<wsdl:operation name="DeleteFullTextIndexMapping">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    DeleteFullTextIndexMapping"
    message="tns:SchemaService_DeleteFullTextIndexMapping_InputMessage"/>
```

```

    <wsdl:output
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
      DeleteFullTextIndexMappingResponse"
      message="tns:SchemaService_DeleteFullTextIndexMapping_OutputMessage"/>
    <wsdl:fault
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
      DeleteFullTextIndexMappingAdminExceptionWCFFault" name="AdminExceptionWCFFault"
      message="tns:SchemaService_DeleteFullTextIndexMapping_AdminExceptionWCFFault_FaultMessage"/>
  </wsdl:operation>

```

The protocol client MUST send a **SchemaService_DeleteFullTextIndexMapping_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_DeleteFullTextIndexMapping_OutputMessage** response message.

3.9.4.21.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.21.1.1 SchemaService_DeleteFullTextIndexMapping_InputMessage

The **SchemaService_DeleteFullTextIndexMapping_InputMessage** request message initiates the operation to remove a managed property from a full-text index field.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
DeleteFullTextIndexMapping

```

The SOAP body MUST contain a **DeleteFullTextIndexMapping** element.

3.9.4.21.1.2 SchemaService_DeleteFullTextIndexMapping_OutputMessage

The **SchemaService_DeleteFullTextIndexMapping_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteFullTextIndexMapping_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
DeleteFullTextIndexMappingResponse

```

The SOAP body MUST contain a **DeleteFullTextIndexMappingResponse** element.

3.9.4.21.1.3

SchemaService_DeleteFullTextIndexMapping_AdminExceptionWCFFault_FaultMessage

The **SchemaService_DeleteFullTextIndexMapping_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteFullTextIndexMapping_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

<http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteFullTextIndexMappingAdminExceptionWCFFault>

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.21.2 Elements

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

3.9.4.21.2.1 DeleteFullTextIndexMapping

The **DeleteFullTextIndexMapping** element contains the input data for a **DeleteFullTextIndexMapping** operation.

```
<xsd:element name="DeleteFullTextIndexMapping">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="dto" nillable="true"
type="tns:FullTextIndexMappingDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

dto: A **FullTextIndexMappingDTO** containing the elements that specify which managed property to remove from a full-text index field.

3.9.4.21.2.2 DeleteFullTextIndexMappingResponse

The **DeleteFullTextIndexMappingResponse** element contains the output data from a **DeleteFullTextIndexMapping** operation.

```
<xsd:element name="DeleteFullTextIndexMappingResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.9.4.21.3 Complex Types

None.

3.9.4.21.4 Simple Types

None.

3.9.4.21.5 Attributes

None.

3.9.4.21.6 Groups

None.

3.9.4.21.7 Attribute Groups

None.

3.9.4.22 DeleteFullTextIndexRankComponent

The **DeleteFullTextIndexRankComponent** operation deletes a full-text index field rank component. This operation is asynchronous, and there is no operation to verify whether it has finished. This operation MUST update the rank.cf and indexConfig.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```
<wsdl:operation name="DeleteFullTextIndexRankComponent">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
DeleteFullTextIndexRankComponent"
    message="tns:SchemaService_DeleteFullTextIndexRankComponent_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
DeleteFullTextIndexRankComponentResponse"
    message="tns:SchemaService_DeleteFullTextIndexRankComponent_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
DeleteFullTextIndexRankComponentAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_DeleteFullTextIndexRankComponent_AdminExceptionWCFFault_FaultMessa
ge"/>
</wsdl:operation>
```

The protocol client MUST send a

SchemaService_DeleteFullTextIndexRankComponent_InputMessage request message.

When the operation finishes successfully, the schema server MUST respond with a

SchemaService_DeleteFullTextIndexRankComponent_OutputMessage response message.

3.9.4.22.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.22.1.1 SchemaService_DeleteFullTextIndexRankComponent_InputMessage

The **SchemaService_DeleteFullTextIndexRankComponent_InputMessage** request message initiates the operation to delete a full-text index field rank component.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
DeleteFullTextIndexRankComponent
```

The SOAP body MUST contain a **DeleteFullTextIndexRankComponent** element.

3.9.4.22.1.2

SchemaService_DeleteFullTextIndexRankComponent_OutputMessage

The **SchemaService_DeleteFullTextIndexRankComponent_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteFullTextIndexRankComponent_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
DeleteFullTextIndexRankComponentResponse
```

The SOAP body MUST contain a **DeleteFullTextIndexRankComponentResponse** element.

3.9.4.22.1.3

SchemaService_DeleteFullTextIndexRankComponent_AdminExceptionWCFFault_FaultMessage

The **SchemaService_DeleteFullTextIndexRankComponent_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteFullTextIndexRankComponent_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
DeleteFullTextIndexRankComponentAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.22.2 Elements

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

3.9.4.22.2.1 DeleteFullTextIndexRankComponent

The **DeleteFullTextIndexRankComponent** element contains the input data for a **DeleteFullTextIndexRankComponent** operation. The input data includes a **FullTextIndexRankComponentDTO**.

```
<xsd:element name="DeleteFullTextIndexRankComponent">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>  
      <xsd:element minOccurs="0" name="dto" nillable="true"  
type="tns:FullTextIndexRankComponentDTO"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

RankProfileId: The identifier of the rank profile.

dto: A **FullTextIndexRankComponentDTO** containing the elements of the full-text index field rank component to delete.

3.9.4.22.2.2 DeleteFullTextIndexRankComponentResponse

The **DeleteFullTextIndexRankComponentResponse** element contains the output data from a **DeleteFullTextIndexRankComponent** operation.

```
<xsd:element name="DeleteFullTextIndexRankComponentResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.9.4.22.3 Complex Types

None.

3.9.4.22.4 Simple Types

None.

3.9.4.22.5 Attributes

None.

3.9.4.22.6 Groups

None.

3.9.4.22.7 Attribute Groups

None.

3.9.4.23 DeleteManagedProperty

The **DeleteManagedProperty** operation deletes a managed property. This operation is asynchronous. This operation MUST update the fixml_mappings.xml, index.cf, indexConfig.xml, FieldProperties.xml, summary.cf, summaryclasses.xml, resultspace.xml (see [\[MS-FSSCFG\]](#) section 2) and all result.templ files (see [\[MS-FSQRCFG\]](#) section 2.7). If sorting was enabled on the managed property being deleted, then the fieldspec.xml file MUST also be updated (see [\[MS-FSSCFG\]](#) section 3.2). If the summary type was set to dynamic, then fsearch.addon and summary.map MUST also be updated (see [\[MS-FSSCFG\]](#) section 2). If the managed property was a integer, float, decimal or datetime, then the maptransform.xml file MUST also be updated (see [\[MS-FSSCFG\]](#) section 2.2).

```
<wsdl:operation name="DeleteManagedProperty">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    DeleteManagedProperty " message="tns:SchemaService_DeleteManagedProperty_InputMessage"/>
  <wsdl:output
```

```

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/
SchemaService/DeleteManagedPropertyResponse"
message="tns:SchemaService_DeleteManagedProperty_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
DeleteManagedPropertyAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_DeleteManagedProperty_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_DeleteManagedProperty_InputMessage** request message. On successful completion, the schema server MUST respond with a **SchemaService_DeleteManagedProperty_OutputMessage** response message.

3.9.4.23.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.23.1.1 SchemaService_DeleteManagedProperty_InputMessage

The **SchemaService_DeleteManagedProperty_InputMessage** request message initiates the operation to delete a managed property.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteManagedProperty

```

The SOAP body MUST contain a **DeleteManagedProperty** element.

3.9.4.23.1.2 SchemaService_DeleteManagedProperty_OutputMessage

The **SchemaService_DeleteManagedProperty_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteManagedProperty_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteManagedPropertyResponse

```

The SOAP body MUST contain a **DeleteManagedPropertyResponse** element.

3.9.4.23.1.3

SchemaService_DeleteManagedProperty_AdminExceptionWCFFault_FaultMessage

The **SchemaService_DeleteManagedProperty_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteManagedProperty_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
DeleteManagedPropertyAdminExceptionWCFFault

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.23.2 Elements

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

3.9.4.23.2.1 DeleteManagedProperty

The **DeleteManagedProperty** element contains the input data for a **DeleteManagedProperty** operation.

```
<xsd:element name="DeleteManagedProperty">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The name of the managed property to delete.

3.9.4.23.2.2 DeleteManagedPropertyResponse

The **DeleteManagedPropertyResponse** element contains the result data for a **DeleteManagedProperty** operation.

```
<xsd:element name="DeleteManagedPropertyResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.9.4.23.3 Complex Types

None.

3.9.4.23.4 Simple Types

None.

3.9.4.23.5 Attributes

None.

3.9.4.23.6 Groups

None.

3.9.4.23.7 Attribute Groups

None.

3.9.4.24 DeleteManagedPropertyBoostComponent

The **DeleteManagedPropertyBoostComponent** operation deletes a keyword rank component of a rank profile. This operation is asynchronous. This operation MUST update the ManagedPropertyBoosts.xml file (see [\[MS-FSSCFG\]](#) section 2).

```
<wsdl:operation name="DeleteManagedPropertyBoostComponent">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    DeleteManagedPropertyBoostComponent"
    message="tns:SchemaService_DeleteManagedPropertyBoostComponent_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    DeleteManagedPropertyBoostComponentResponse"
    message="tns:SchemaService_DeleteManagedPropertyBoostComponent_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    DeleteManagedPropertyBoostComponentAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_DeleteManagedPropertyBoostComponent_AdminExceptionWCFFault_FaultMe
    ssage"/>
</wsdl:operation>
```

The protocol client MUST send a

SchemaService_DeleteManagedPropertyBoostComponent_InputMessage request message.

When the operation finishes successfully, the schema server MUST respond with a

SchemaService_DeleteManagedPropertyBoostComponent_OutputMessage response message.

3.9.4.24.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.24.1.1

SchemaService_DeleteManagedPropertyBoostComponent_InputMessage

The **SchemaService_DeleteManagedPropertyBoostComponent_InputMessage** request message initiates the operation to delete the keyword rank component of a rank profile.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
DeleteManagedPropertyBoostComponent
```

The SOAP body MUST contain a **DeleteManagedPropertyBoostComponent** element.

3.9.4.24.1.2

SchemaService_DeleteManagedPropertyBoostComponent_OutputMessage

The **SchemaService_DeleteManagedPropertyBoostComponent_OutputMessage** response message is sent in reply to the request that is initiated by the

SchemaService_DeleteManagedPropertyBoostComponent_InputMessage message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
DeleteManagedPropertyBoostComponentResponse
```

The SOAP body MUST contain a **DeleteManagedPropertyBoostComponentResponse** element.

3.9.4.24.1.3

SchemaService_DeleteManagedPropertyBoostComponent_AdminExceptionWCFFault_FaultMessage

The **SchemaService_DeleteManagedPropertyBoostComponent_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteManagedPropertyBoostComponent_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
DeleteManagedPropertyBoostComponentAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.24.2 Elements

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

3.9.4.24.2.1 DeleteManagedPropertyBoostComponent

The **DeleteManagedPropertyBoostComponent** element contains the input data for a **DeleteManagedPropertyBoostComponent** operation.

```
<xsd:element name="DeleteManagedPropertyBoostComponent">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>  
      <xsd:element minOccurs="0" name="dto" nillable="true"  
type="tns:ManagedPropertyBoostComponentDTO"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

RankProfileId: The identifier of the rank profile.

dto: A **ManagedPropertyBoostComponentDTO** that contains the elements of the keyword rank component to delete.

3.9.4.24.2.2 DeleteManagedPropertyBoostComponentResponse

The **DeleteManagedPropertyBoostComponentResponse** element is the output data from a **DeleteManagedPropertyBoostComponent** operation.


```

<xsd:element name="DeleteManagedPropertyBoostComponentResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>

```

The element is empty.

3.9.4.24.3 Complex Types

None.

3.9.4.24.4 Simple Types

None.

3.9.4.24.5 Attributes

None.

3.9.4.24.6 Groups

None.

3.9.4.24.7 Attribute Groups

None.

3.9.4.25 DeleteQualityComponent

The **DeleteQualityComponent** operation deletes the quality rank component of a rank profile. This operation is asynchronous, and there is no operation to verify whether it has finished. This operation **MUST** update the rank.cf and indexConfig.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```

<wsdl:operation name="DeleteQualityComponent">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    DeleteQualityComponent" message="tns:SchemaService_DeleteQualityComponent_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    DeleteQualityComponentResponse"
    message="tns:SchemaService_DeleteQualityComponent_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    DeleteQualityComponentAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_DeleteQualityComponent_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client **MUST** send a **SchemaService_DeleteQualityComponent_InputMessage** request message. When the operation finishes successfully, the schema server **MUST** respond with a **SchemaService_DeleteQualityComponent_OutputMessage** response message.

3.9.4.25.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.25.1.1 SchemaService_DeleteQualityComponent_InputMessage

The **SchemaService_DeleteQualityComponent_InputMessage** request message initiates the operation to delete the quality rank component of a rank profile.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
DeleteQualityComponent
```

The SOAP body MUST contain a **DeleteQualityComponent** element.

3.9.4.25.1.2 SchemaService_DeleteQualityComponent_OutputMessage

The **SchemaService_DeleteQualityComponent_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteQualityComponent_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
DeleteQualityComponentResponse
```

The SOAP body MUST contain a **DeleteQualityComponentResponse** element.

3.9.4.25.1.3

SchemaService_DeleteQualityComponent_AdminExceptionWCFFault_FaultMessage

The **SchemaService_DeleteQualityComponent_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteQualityComponent_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
DeleteQualityComponentAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.25.2 Elements

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

3.9.4.25.2.1 DeleteQualityComponent

The **DeleteQualityComponent** element contains the input data for a **DeleteQualityComponent** operation.

```
<xsd:element name="DeleteQualityComponent">  
  <xsd:complexType>  
    <xsd:sequence>
```

```

        <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>
        <xsd:element minOccurs="0" name="dto" nillable="true" type="tns:QualityComponentDTO"/>
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

```

RankProfileId: The identifier of the rank profile.

dto: A **QualityComponentDTO** that contains the elements of the quality rank component to delete.

3.9.4.25.2.2 DeleteQualityComponentResponse

The **DeleteQualityComponentResponse** element contains the output data from a **DeleteQualityComponent** operation.

```

<xsd:element name="DeleteQualityComponentResponse">
    <xsd:complexType>
        <xsd:sequence/>
    </xsd:complexType>
</xsd:element>

```

The element is empty.

3.9.4.25.3 Complex Types

None.

3.9.4.25.4 Simple Types

None.

3.9.4.25.5 Attributes

None.

3.9.4.25.6 Groups

None.

3.9.4.25.7 Attribute Groups

None.

3.9.4.26 DeleteRankProfile

The **DeleteRankProfile** operation deletes a rank profile. This operation is asynchronous. This operation **MUST** update the rank.cf, indexConfig.xml, search_preload, fieldspec.xml and rankspace.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```

<wsdl:operation name="DeleteRankProfile">
    <wsdl:input
        wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
        DeleteRankProfile" message="tns:SchemaService_DeleteRankProfile_InputMessage"/>

```

```

    <wsdl:output
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
      DeleteRankProfileResponse" message="tns:SchemaService_DeleteRankProfile_OutputMessage"/>
    <wsdl:fault
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
      DeleteRankProfileAdminExceptionWCFFault" name="AdminExceptionWCFFault"
      message="tns:SchemaService_DeleteRankProfile_AdminExceptionWCFFault_FaultMessage"/>
  </wsdl:operation>

```

The protocol client MUST send a **SchemaService_DeleteRankProfile_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_DeleteRankProfile_OutputMessage** response message.

3.9.4.26.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.26.1.1 SchemaService_DeleteRankProfile_InputMessage

The **SchemaService_DeleteRankProfile_InputMessage** request message initiates the operation to delete a rank profile.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteRankProfile
```

The SOAP body MUST contain a **DeleteRankProfile** element.

3.9.4.26.1.2 SchemaService_DeleteRankProfile_OutputMessage

The **SchemaService_DeleteRankProfile_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteRankProfile_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
DeleteRankProfileResponse
```

The SOAP body MUST contain a **DeleteRankProfileResponse** element.

3.9.4.26.1.3

SchemaService_DeleteRankProfile_AdminExceptionWCFFault_FaultMessage

The **SchemaService_DeleteRankProfile_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteRankProfile_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
DeleteRankProfileAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.26.2 Elements

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

3.9.4.26.2.1 DeleteRankProfile

The **DeleteRankProfile** element contains the input data for a **DeleteRankProfile** operation.

```
<xsd:element name="DeleteRankProfile">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="dto" nillable="true" type="tns:RankProfileDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

dto: A **RankProfileDTO** that contains the elements of the rank profile to delete.

3.9.4.26.2.2 DeleteRankProfileResponse

The **DeleteRankProfileResponse** element contains the output data from a **DeleteRankProfile** operation.

```
<xsd:element name="DeleteRankProfileResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.9.4.26.3 Complex Types

None.

3.9.4.26.4 Simple Types

None.

3.9.4.26.5 Attributes

None.

3.9.4.26.6 Groups

None.

3.9.4.26.7 Attribute Groups

None.

3.9.4.27 DeleteUnmappedProperties

The **DeleteUnmappedProperties** operation deletes all crawled properties with no mappings to managed properties. If the crawled property's **IsMappedToContents** value has a different value than the **MapToContents** value of the crawled property category they are associated with, the **PropertyCategories.xml** (see [\[MS-FSPSCFG\]](#) section 2.3) MUST also be regenerated. If this is not the case, then only the internal protocol server state MUST be updated.

```
<wsdl:operation name="DeleteUnmappedProperties">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    DeleteUnmappedProperties" message="tns:SchemaService_DeleteUnmappedProperties_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/
    SchemaService/DeleteCategoryResponse"
    message="tns:SchemaService_DeleteCategory_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    DeleteUnmappedPropertiesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_DeleteUnmappedProperties_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_DeleteUnmappedProperties_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_DeleteUnmappedProperties_OutputMessage** response message.

3.9.4.27.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.27.1.1 SchemaService_DeleteUnmappedProperties_InputMessage

The **SchemaService_DeleteUnmappedProperties_InputMessage** request message initiates the operation to delete all crawled properties with no mappings to managed properties.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteUnmappedProperties
```

The SOAP body MUST contain a **DeleteUnmappedProperties** element.

3.9.4.27.1.2 SchemaService_DeleteUnmappedProperties_OutputMessage

The **SchemaService_DeleteUnmappedProperties_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteUnmappedProperties_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteUnmappedPropertiesResponse
```

The SOAP body MUST contain a **DeleteUnmappedPropertiesResponse** element.

3.9.4.27.1.3

SchemaService_DeleteUnmappedProperties_AdminExceptionWCFFault_FaultMessage

The **SchemaService_DeleteUnmappedProperties_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_DeleteUnmappedProperties_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
DeleteUnmappedPropertiesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.27.2 Elements

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

3.9.4.27.2.1 DeleteUnmappedProperties

The **DeleteUnmappedProperties** element contains the input data for a **DeleteUnmappedProperties** operation.

```
<xsd:element name="DeleteUnmappedProperties">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="CategoryId" type="xsd:long"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

CategoryId: The identifier of the crawled property category from which unmapped properties are deleted.

3.9.4.27.2.2 DeleteUnmappedPropertiesResponse

The **DeleteUnmappedPropertiesResponse** element contains result data for a **DeleteUnmappedProperties** operation.

```
<xsd:element name="DeleteUnmappedPropertiesResponse">  
  <xsd:complexType>  
    <xsd:sequence/>  
  </xsd:complexType>  
</xsd:element>
```

The element is empty.

3.9.4.27.3 Complex Types

None.

3.9.4.27.4 Simple Types

None.

3.9.4.27.5 Attributes

None.

3.9.4.27.6 Groups

None.

3.9.4.27.7 Attribute Groups

None.

3.9.4.28 GetAllCategories

The **GetAllCategories** operation retrieves all categories.

```
<wsdl:operation name="GetAllCategories">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetAllCategories" message="tns:SchemaService_GetAllCategories_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetAllCategoriesResponse" message="tns:SchemaService_GetAllCategories_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetAllCategoriesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetAllCategories_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_GetAllCategories_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetAllCategories_OutputMessage** response message.

3.9.4.28.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.28.1.1 SchemaService_GetAllCategories_InputMessage

The **SchemaService_GetAllCategories_InputMessage** request message initiates the operation to retrieve all categories.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllCategories
```

The SOAP body MUST contain a **GetAllCategories** element.

3.9.4.28.1.2 SchemaService_GetAllCategories_OutputMessage

The **SchemaService_GetAllCategories_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetAllCategories_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetAllCategoriesResponse
```

The SOAP body MUST contain a **GetAllCategoriesResponse** element.

3.9.4.28.1.3

SchemaService_GetAllCategories_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetAllCategories_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetAllCategories_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetAllCategoriesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.28.2 Elements

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

3.9.4.28.2.1 GetAllCategories

The **GetAllCategories** element contains the input data for a **GetAllCategories** operation.

```
<xsd:element name="GetAllCategories">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.9.4.28.2.2 GetAllCategoriesResponse

The **GetAllCategoriesResponse** element contains the output data from a **GetAllCategories** operation. The response contains an **ArrayOfCategoryDTO**.

```
<xsd:element name="GetAllCategoriesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetAllCategoriesResult" nillable="true"
type="tns:ArrayOfCategoryDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```

        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

```

GetAllCategoriesResult: An **ArrayOfCategoryDTO**. Each **CategoryDTO** contains the elements of the given crawled property category.

3.9.4.28.3 Complex Types

None.

3.9.4.28.4 Simple Types

None.

3.9.4.28.5 Attributes

None.

3.9.4.28.6 Groups

None.

3.9.4.28.7 Attribute Groups

None.

3.9.4.29 GetAllCrawledProperties

The **GetAllCrawledProperties** operation retrieves all crawled properties for this crawled property category.

```

<wsdl:operation name="GetAllCrawledProperties">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetAllCrawledProperties" message="tns:SchemaService_GetAllCrawledProperties_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetAllCrawledPropertiesResponse"
    message="tns:SchemaService_GetAllCrawledProperties_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetAllCrawledPropertiesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetAllCrawledProperties_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_GetAllCrawledProperties_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetAllCrawledProperties_OutputMessage** response message.

3.9.4.29.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.29.1.1 SchemaService_GetAllCrawledProperties_InputMessage

The **SchemaService_GetAllCrawledProperties_InputMessage** request message initiates the operation to retrieve all crawled properties for the crawled property category.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllCrawledProperties
```

The SOAP body MUST contain a **GetAllCrawledProperties** element.

3.9.4.29.1.2 SchemaService_GetAllCrawledProperties_OutputMessage

The **SchemaService_GetAllCrawledProperties_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetAllCrawledProperties_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllCrawledPropertiesResponse
```

The SOAP body MUST contain a **GetAllCrawledPropertiesResponse** element.

3.9.4.29.1.3

SchemaService_GetAllCrawledProperties_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetAllCrawledProperties_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetAllCrawledProperties_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllCrawledPropertiesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.29.2 Elements

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

3.9.4.29.2.1 GetAllCrawledProperties

The **GetAllCrawledProperties** element contains the input data for a **GetAllCrawledProperties** operation.

```

<xsd:element name="GetAllCrawledProperties">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CategoryId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

CategoryId: The identifier of the crawled property category from which to retrieve all crawled properties.

3.9.4.29.2 GetAllCrawledPropertiesResponse

The **GetAllCrawledPropertiesResponse** element contains the output data from a **GetAllCrawledProperties** operation. The response contains an **ArrayOfCrawledPropertyDTO**.

```

<xsd:element name="GetAllCrawledPropertiesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetAllCrawledPropertiesResult" nillable="true"
type="tns:ArrayOfCrawledPropertyDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

GetAllCrawledPropertiesResult: An array of **CrawledPropertyDTO**.

3.9.4.29.3 Complex Types

None.

3.9.4.29.4 Simple Types

None.

3.9.4.29.5 Attributes

None.

3.9.4.29.6 Groups

None.

3.9.4.29.7 Attribute Groups

None.

3.9.4.30 GetAllCrawledPropertiesCount

The **GetAllCrawledPropertiesCount** operation retrieves a count of all crawled properties for the given category.

```

<wsdl:operation name="GetAllCrawledPropertiesCount">

```

```

    <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetAllCrawledPropertiesCount"
message="tns:SchemaService_GetAllCrawledPropertiesCount_InputMessage"/>
    <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetAllCrawledPropertiesCountResponse"
message="tns:SchemaService_GetAllCrawledPropertiesCount_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetAllCrawledPropertiesCountAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_GetAllCrawledPropertiesCount_AdminExceptionWCFFault_FaultMessage"/
>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_GetAllCrawledPropertiesCount_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetAllCrawledPropertiesCount_OutputMessage** response message.

3.9.4.30.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.30.1.1 SchemaService_GetAllCrawledPropertiesCount_InputMessage

The **SchemaService_GetAllCrawledPropertiesCount_InputMessage** request message initiates the operation to retrieve the count of crawled properties for the given category.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetAllCrawledPropertiesCount

```

The SOAP body MUST contain a **GetAllCrawledPropertiesCount** element.

3.9.4.30.1.2 SchemaService_GetAllCrawledPropertiesCount_OutputMessage

The **SchemaService_GetAllCrawledPropertiesCount_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetAllCrawledPropertiesCount_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetAllCrawledPropertiesCount

```

The SOAP body MUST contain a **GetAllCrawledPropertiesCountResponse** element.

3.9.4.30.1.3

SchemaService_GetAllCrawledPropertiesCount_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetAllCrawledPropertiesCount_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetAllCrawledPropertiesCount_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetAllCrawledPropertiesCountAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.30.2 Elements

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

3.9.4.30.2.1 GetAllCrawledPropertiesCount

The **GetAllCrawledPropertiesCount** element contains the input data for a **GetAllCrawledPropertiesCount** operation.

```
<xsd:element name="GetAllCrawledPropertiesCount">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="categoryId" type="xsd:long"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

categoryId: The identifier of the crawled property category for which to retrieve the crawled properties count.

3.9.4.30.2.2 GetAllCrawledPropertiesCountResponse

The **GetAllCrawledPropertiesCountResponse** element contains the output data for a **GetAllCrawledPropertiesCount** operation. The response contains an integer value that represents the count of crawled properties in the category.

```
<xsd:element name="GetAllCrawledPropertiesCountResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="GetAllCrawledPropertiesCountResult" type="xsd:int"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

GetAllCrawledPropertiesCountResult: The number of crawled properties in the crawled property category.

3.9.4.30.3 Complex Types

None.

3.9.4.30.4 Simple Types

None.

3.9.4.30.5 Attributes

None.

3.9.4.30.6 Groups

None.

3.9.4.30.7 Attribute Groups

None.

3.9.4.31 GetAllFullTextIndecies

The **GetAllFullTextIndecies** operation retrieves all full-text index fields.

```
<wsdl:operation name="GetAllFullTextIndecies">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetAllFullTextIndecies" message="tns:SchemaService_GetAllFullTextIndecies_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetAllFullTextIndeciesResponse"
    message="tns:SchemaService_GetAllFullTextIndecies_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetAllFullTextIndeciesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetAllFullTextIndecies_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_GetAllFullTextIndecies_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetAllFullTextIndecies_OutputMessage** response message.

3.9.4.31.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.31.1.1 SchemaService_GetAllFullTextIndecies_InputMessage

The **SchemaService_GetAllFullTextIndecies_InputMessage** request message initiates the operation to retrieve all full-text index fields.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetAllFullTextIndecies
```

The SOAP body MUST contain a **GetAllFullTextIndecies** element.

3.9.4.31.1.2 SchemaService_GetAllFullTextIndecies_OutputMessage

The **SchemaService_GetAllFullTextIndecies_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetAllFullTextIndecies_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetAllFullTextIndeciesResponse
```

The SOAP body MUST contain a **GetAllFullTextIndeciesResponse** element.

3.9.4.31.1.3

SchemaService_GetAllFullTextIndecies_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetAllFullTextIndecies_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetAllFullTextIndecies_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetAllFullTextIndeciesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.31.2 Elements

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

3.9.4.31.2.1 GetAllFullTextIndecies

The **GetAllFullTextIndecies** element contains the input data for a **GetAllFullTextIndecies** operation.

```
<xsd:element name="GetAllFullTextIndecies">  
  <xsd:complexType>  
    <xsd:sequence/>  
  </xsd:complexType>  
</xsd:element>
```

The element is empty.

3.9.4.31.2.2 GetAllFullTextIndeciesResponse

The **GetAllFullTextIndeciesResponse** element contains the output data from a **GetAllFullTextIndecies** operation. The response contains an **ArrayOfFullTextIndexDTO**.

```
<xsd:element name="GetAllFullTextIndeciesResponse">
```



```

<xsd:complexType>
  <xsd:sequence>
    <xsd:element minOccurs="0" name="GetAllFullTextIndeciesResult" nillable="true"
type="tns:ArrayOfFullTextIndexDTO"/>
  </xsd:sequence>
</xsd:complexType>
</xsd:element>

```

GetAllFullTextIndeciesResult: An **ArrayOfFullTextIndexDTO**. Each **FullTextIndexDTO** contains the elements of a full-text index field.

3.9.4.31.3 Complex Types

None.

3.9.4.31.4 Simple Types

None.

3.9.4.31.5 Attributes

None.

3.9.4.31.6 Groups

None.

3.9.4.31.7 Attribute Groups

None.

3.9.4.32 GetAllManagedProperties

The **GetAllManagedProperties** operation retrieves all managed properties.

```

<wsdl:operation name="GetAllManagedProperties">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetAllManagedProperties" message="tns:SchemaService_GetAllManagedProperties_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetAllManagedPropertiesResponse"
message="tns:SchemaService_GetAllManagedProperties_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetAllManagedPropertiesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_GetAllManagedProperties_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_GetAllManagedProperties_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetAllManagedProperties_OutputMessage** response message.

3.9.4.32.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.32.1.1 SchemaService_GetAllManagedProperties_InputMessage

The **SchemaService_GetAllManagedProperties_InputMessage** request message initiates the operation to retrieve all managed properties.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetAllManagedProperties
```

The SOAP body MUST contain a **GetAllManagedProperties** element.

3.9.4.32.1.2 SchemaService_GetAllManagedProperties_OutputMessage

The **SchemaService_GetAllManagedProperties_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetAllManagedProperties_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetAllManagedPropertiesResponse
```

The SOAP body MUST contain a **GetAllManagedPropertiesResponse** element.

3.9.4.32.1.3

SchemaService_GetAllManagedProperties_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetAllManagedProperties_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetAllManagedProperties_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetAllManagedPropertiesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.32.2 Elements

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

3.9.4.32.2.1 GetAllManagedProperties

The **GetAllManagedProperties** element contains the input data for a **GetAllManagedProperties** operation.

```

<xsd:element name="GetAllManagedProperties">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>

```

The element is empty.

3.9.4.32.2.2 GetAllManagedPropertiesResponse

The **GetAllManagedPropertiesResponse** element contains the output data from a **GetAllManagedProperties** operation. The response contains an **ArrayOfManagedPropertyDTO**.

```

<xsd:element name="GetAllManagedPropertiesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetAllManagedPropertiesResult" nillable="true"
        type="tns:ArrayOfManagedPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

GetAllManagedPropertiesResult: An **ArrayOfManagedPropertyDTO**. Each **ManagedPropertyDTO** contains the elements of a managed property.

3.9.4.32.3 Complex Types

None.

3.9.4.32.4 Simple Types

None.

3.9.4.32.5 Attributes

None.

3.9.4.32.6 Groups

None.

3.9.4.32.7 Attribute Groups

None.

3.9.4.33 GetAllRankProfiles

The **GetAllRankProfiles** operation retrieves all rank profiles.

```

<wsdl:operation name="GetAllRankProfiles">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetAllRankProfiles" message="tns:SchemaService_GetAllRankProfiles_InputMessage"/>

```

```

    <wsdl:output
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
      GetAllRankProfilesResponse" message="tns:SchemaService_GetAllRankProfiles_OutputMessage"/>
    <wsdl:fault
      wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
      GetAllRankProfilesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
      message="tns:SchemaService_GetAllRankProfiles_AdminExceptionWCFFault_FaultMessage"/>
  </wsdl:operation>

```

The protocol client MUST send a **SchemaService_GetAllRankProfiles_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetAllRankProfiles_OutputMessage** response message.

3.9.4.33.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.33.1.1 SchemaService_GetAllRankProfiles_InputMessage

The **SchemaService_GetAllRankProfiles_InputMessage** request message initiates the operation to retrieve all rank profiles.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllRankProfiles
```

The SOAP body MUST contain a **GetAllRankProfiles** element.

3.9.4.33.1.2 SchemaService_GetAllRankProfiles_OutputMessage

The **SchemaService_GetAllRankProfiles_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetAllRankProfiles_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetAllRankProfilesResponse
```

The SOAP body MUST contain a **GetAllRankProfilesResponse** element.

3.9.4.33.1.3

SchemaService_GetAllRankProfiles_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetAllRankProfiles_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetAllRankProfiles_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetAllRankProfilesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.33.2 Elements

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

3.9.4.33.2.1 GetAllRankProfiles

The **GetAllRankProfiles** element contains the input data for a **GetAllRankProfiles** operation.

```
<xsd:element name="GetAllRankProfiles">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.9.4.33.2.2 GetAllRankProfilesResponse

The **GetAllRankProfilesResponse** element contains the output data from a **GetAllRankProfiles** operation. The response contains a list of **RankProfileDTO**.

```
<xsd:element name="GetAllRankProfilesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetAllRankProfilesResult" nillable="true"
type="tns:ArrayOfRankProfileDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetAllRankProfilesResult: An **ArrayOfRankProfileDTO**. Each **RankProfileDTO** contains the elements of a rank profile.

3.9.4.33.3 Complex Types

None.

3.9.4.33.4 Simple Types

None.

3.9.4.33.5 Attributes

None.

3.9.4.33.6 Groups

None.

3.9.4.33.7 Attribute Groups

None.

3.9.4.34 GetCategory

The **GetCategory** operation retrieves the crawled property category associated with a GUID.

```
<wsdl:operation name="GetCategory">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetCategory" message="tns:SchemaService_GetCategory_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetCategoryResponse" message="tns:SchemaService_GetCategory_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetCategoryAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetCategory_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_GetCategory_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetCategory_OutputMessage** response message.

3.9.4.34.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.34.1.1 SchemaService_GetCategory_InputMessage

The **SchemaService_GetCategory_InputMessage** request message initiates the operation to retrieve the crawled property category for the specified global unique identifier.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCategory
```

The SOAP body MUST contain a **GetCategory** element.

3.9.4.34.1.2 SchemaService_GetCategory_OutputMessage

The **SchemaService_GetCategory_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetCategory_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ GetCategoryResponse
```

The SOAP body MUST contain a **GetCategoryResponse** element.

3.9.4.34.1.3

SchemaService_GetCategory_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetCategory_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetCategory_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetCategoryAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.34.2 Elements

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

3.9.4.34.2.1 GetCategory

The **GetCategory** element contains the input data for a **GetCategory** operation.

```
<xsd:element name="GetCategory">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="propset" type="ser:guid"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

propset: The GUID of the requested crawled property category.

3.9.4.34.2.2 GetCategoryResponse

The **GetCategoryResponse** element contains the output data from a **GetCategory** operation. The response contains a **CategoryDTO**.

```
<xsd:element name="GetCategoryResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="GetCategoryResult" nillable="true"  
type="tns:CategoryDTO" />  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

GetCategoryResult: The elements of the retrieved crawled property category.

3.9.4.34.3 Complex Types

None.

3.9.4.34.4 Simple Types

None.

3.9.4.34.5 Attributes

None.

3.9.4.34.6 Groups

None.

3.9.4.34.7 Attribute Groups

None.

3.9.4.35 GetCategoryByName

The **GetCategoryByName** operation retrieves a crawled property category.

```
<wsdl:operation name="GetCategoryByName">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetCategoryByName" message="tns:SchemaService_GetCategoryByName_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetCategoryByNameResponse" message="tns:SchemaService_GetCategoryByName_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetCategoryByNameAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetCategoryByName_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_GetCategoryByName_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetCategoryByName_OutputMessage** response message.

3.9.4.35.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.35.1.1 SchemaService_GetCategoryByName_InputMessage

The **SchemaService_GetCategoryByName_InputMessage** request message initiates the operation to retrieve a crawled property category.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ GetCategoryByName
```

The SOAP body MUST contain a **GetCategoryByName** element.

3.9.4.35.1.2 SchemaService_GetCategoryByName_OutputMessage

The **SchemaService_GetCategoryByName_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetCategoryByName_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetCategoryByNameResponse
```


The SOAP body MUST contain a **GetCategoryByNameResponse** element.

3.9.4.35.1.3

SchemaService_GetCategoryByName_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetCategoryByName_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetCategoryByName_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetCategoryByNameAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.35.2 Elements

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

3.9.4.35.2.1 GetCategoryByName

The **GetCategoryByName** element contains the input data for a **GetCategoryByName** operation.

```
<xsd:element name="GetCategoryByName">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

name: The name of the crawled property category to retrieve.

3.9.4.35.2.2 GetCategoryByNameResponse

The **GetCategoryByNameResponse** element contains the output data from a **GetCategoryByName** operation. The response contains a **CategoryDTO**.

```
<xsd:element name="GetCategoryByNameResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="GetCategoryByNameResult" nillable="true"  
type="tns:CategoryDTO" />  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

GetCategoryByNameResult: The elements of the retrieved crawled property category.

3.9.4.35.3 Complex Types

None.

3.9.4.35.4 Simple Types

None.

3.9.4.35.5 Attributes

None.

3.9.4.35.6 Groups

None.

3.9.4.35.7 Attribute Groups

None.

3.9.4.36 GetCrawledProperty

The **GetCrawledProperty** operation retrieves a crawled property. A crawled property is uniquely identified by the combination of the name, crawled property category identifier and variant type.

```
<wsdl:operation name="GetCrawledProperty">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetCrawledProperty" message="tns:SchemaService_GetCrawledProperty_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetCrawledPropertyResponse" message="tns:SchemaService_GetCrawledProperty_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetCrawledPropertyAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetCrawledProperty_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_GetCrawledProperty_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetCrawledProperty_OutputMessage** response message.

3.9.4.36.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.36.1.1 SchemaService_GetCrawledProperty_InputMessage

The **SchemaService_GetCrawledProperty_InputMessage** request message initiates the operation to retrieve a crawled property.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCrawledProperty
```

The SOAP body MUST contain a **GetCrawledProperty** element.

3.9.4.36.1.2 SchemaService_GetCrawledProperty_OutputMessage

The **SchemaService_GetCrawledProperty_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetCrawledProperty_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetCrawledPropertyResponse
```

The SOAP body MUST contain a **GetCrawledPropertyResponse** element.

3.9.4.36.1.3

SchemaService_GetCrawledProperty_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetCrawledProperty_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetCrawledProperty_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetCrawledPropertyAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.36.2 Elements

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

3.9.4.36.2.1 GetCrawledProperty

The **GetCrawledProperty** element contains the input data for a **GetCrawledProperty** operation.

```
<xsd:element name="GetCrawledProperty">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="propset" type="ser:guid"/>
      <xsd:element minOccurs="0" name="CrawledPropertyName" type="xsd:string"/>
      <xsd:element minOccurs="0" name="variantType" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

propset: The GUID of the crawled property category that is associated with the requested crawled property.

CrawledPropertyName: The name of the crawled property to retrieve.

variantType: The variant type of the crawled property to retrieve. The valid values for this element are specified by the table in section [2.2.4.32](#).

3.9.4.36.2.2 GetCrawledPropertyResponse

The **GetCrawledPropertyResponse** element contains the output data from a **GetCrawledProperty** operation. The response contains a **CrawledPropertyDTO**.

```
<xsd:element name="GetCrawledPropertyResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetCrawledPropertyResult" nillable="true"
type="tns:CrawledPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetCrawledPropertyResult: A **CrawledPropertyDTO** containing the elements of the crawled property that was retrieved.

3.9.4.36.3 Complex Types

None.

3.9.4.36.4 Simple Types

None.

3.9.4.36.5 Attributes

None.

3.9.4.36.6 Groups

None.

3.9.4.36.7 Attribute Groups

None.

3.9.4.37 GetCrawledPropertyMappings

The **GetCrawledPropertyMappings** operation retrieves a collection of mapped, crawled properties. This collection can be used to create new crawled property mappings.

```
<wsdl:operation name="GetCrawledPropertyMappings">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetCrawledPropertyMappings"
message="tns:SchemaService_GetCrawledPropertyMappings_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetCrawledPropertyMappingsResponse"
message="tns:SchemaService_GetCrawledPropertyMappings_OutputMessage"/>
```

```
<wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetCrawledPropertyMappingsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_GetCrawledPropertyMappings_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_GetCrawledPropertyMappings_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetCrawledPropertyMappings_OutputMessage** response message.

3.9.4.37.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.37.1.1 SchemaService_GetCrawledPropertyMappings_InputMessage

The **SchemaService_GetCrawledPropertyMappings_InputMessage** request initiates the operation to retrieve a collection of mapped, crawled properties.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetCrawledPropertyMappings
```

The SOAP body MUST contain a **GetCrawledPropertyMappings** element.

3.9.4.37.1.2 SchemaService_GetCrawledPropertyMappings_OutputMessage

The **SchemaService_GetCrawledPropertyMappings_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetCrawledPropertyMappings_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetCrawledPropertyMappingsResponse
```

The SOAP body MUST contain a **GetCrawledPropertyMappingsResponse** element.

3.9.4.37.1.3

SchemaService_GetCrawledPropertyMappings_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetCrawledPropertyMappings_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetCrawledPropertyMappings_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetCrawledPropertyMappingsAdminExceptionWCFFault

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.37.2 Elements

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

3.9.4.37.2.1 GetCrawledPropertyMappings

The **GetCrawledPropertyMappings** element contains the input data for a **GetCrawledPropertyMappings** operation.

```
<xsd:element name="GetCrawledPropertyMappings">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="id" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

id: The identifier for the managed property to map.

3.9.4.37.2.2 GetCrawledPropertyMappingsResponse

The **GetCrawledPropertyMappingsResponse** element contains the output data from a **GetCrawledPropertyMappings** operation. The response contains an **ArrayOfCrawledPropertyDTO**.

```
<xsd:element name="GetCrawledPropertyMappingsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetCrawledPropertyMappingsResult" nillable="true"
type="tns:ArrayOfCrawledPropertyDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetCrawledPropertyMappingsResult: An **ArrayOfCrawledPropertyDTO**. Each **CrawledPropertyDTO** contains the elements of the retrieved crawled property.

3.9.4.37.3 Complex Types

None.

3.9.4.37.4 Simple Types

None.

3.9.4.37.5 Attributes

None.

3.9.4.37.6 Groups

None.

3.9.4.37.7 Attribute Groups

None.

3.9.4.38 GetFreshnessManagedPropertyReference

The **GetFreshnessManagedPropertyReference** operation retrieves the managed property that is used for freshness boost in a given rank profile.

```
<wsdl:operation name="GetFreshnessManagedPropertyReference">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetFreshnessManagedPropertyReference"
    message="tns:SchemaService_GetFreshnessManagedPropertyReference_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetFreshnessManagedPropertyReferenceResponse"
    message="tns:SchemaService_GetFreshnessManagedPropertyReference_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetFreshnessManagedPropertyReferenceAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetFreshnessManagedPropertyReference_AdminExceptionWCFFault_FaultM
    essage"/>
</wsdl:operation>
```

The protocol client MUST send a

SchemaService_GetFreshnessManagedPropertyReference_InputMessage request message.

When the operation finishes successfully, the schema server MUST respond with a

SchemaService_GetFreshnessManagedPropertyReference_OutputMessage response message.

3.9.4.38.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.38.1.1

SchemaService_GetFreshnessManagedPropertyReference_InputMessage

The **SchemaService_GetFreshnessManagedPropertyReference_InputMessage** request message initiates the operation to retrieve the managed property used for freshness boost in a given rank profile.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetFreshnessManagedPropertyReference
```

The SOAP body MUST contain a **GetFreshnessManagedPropertyReference** element.

3.9.4.38.1.2

SchemaService_GetFreshnessManagedPropertyReference_OutputMessage

The **SchemaService_GetFreshnessManagedPropertyReference_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetFreshnessManagedPropertyReference_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetFreshnessManagedPropertyReferenceResponse
```

The SOAP body MUST contain a **GetFreshnessManagedPropertyReferenceResponse** element.

3.9.4.38.1.3

SchemaService_GetFreshnessManagedPropertyReference_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetFreshnessManagedPropertyReference_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetFreshnessManagedPropertyReference_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetFreshnessManagedPropertyReferenceAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.38.2 Elements

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

3.9.4.38.2.1 GetFreshnessManagedPropertyReference

The **GetFreshnessManagedPropertyReference** element contains the input data for a **GetFreshnessManagedPropertyReference** operation.

```
<xsd:element name="GetFreshnessManagedPropertyReference">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RankProfileId: The identifier of the rank profile that contains the managed property.

3.9.4.38.2.2 GetFreshnessManagedPropertyReferenceResponse

The **GetFreshnessManagedPropertyReferenceResponse** element contains output data from a **GetFreshnessManagedPropertyReference** operation. The response contains a **ManagedPropertyDTO**.

```
<xsd:element name="GetFreshnessManagedPropertyReferenceResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetFreshnessManagedPropertyReferenceResult"
        nillable="true" type="tns:ManagedPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetFreshnessManagedPropertyReferenceResult: A **ManagedPropertyDTO** that contains the elements of the retrieved managed property.

3.9.4.38.3 Complex Types

None.

3.9.4.38.4 Simple Types

None.

3.9.4.38.5 Attributes

None.

3.9.4.38.6 Groups

None.

3.9.4.38.7 Attribute Groups

None.

3.9.4.39 GetFullTextIndex

The **GetFullTextIndex** operation retrieves a full-text index field.

```
<wsdl:operation name="GetFullTextIndex">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetFullTextIndex" message="tns:SchemaService_GetFullTextIndex_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetFullTextIndexResponse" message="tns:SchemaService_GetFullTextIndex_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetFullTextIndexAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetFullTextIndex_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_GetFullTextIndex_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetFullTextIndex_OutputMessage** response message.

3.9.4.39.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.39.1.1 SchemaService_GetFullTextIndex_InputMessage

The **SchemaService_GetFullTextIndex_InputMessage** request message initiates the operation to retrieve a full-text index field.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFullTextIndex
```

The SOAP body MUST contain a **GetFullTextIndex** element.

3.9.4.39.1.2 SchemaService_GetFullTextIndex_OutputMessage

The **SchemaService_GetFullTextIndex_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetFullTextIndex_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetFullTextIndexResponse
```

The SOAP body MUST contain a **GetFullTextIndexResponse** element.

3.9.4.39.1.3

SchemaService_GetFullTextIndex_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetFullTextIndex_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetFullTextIndex_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetFullTextIndexAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.39.2 Elements

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

3.9.4.39.2.1 GetFullTextIndex

The **GetFullTextIndex** element contains input data for a **GetFullTextIndex** operation.

```

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

```

name: The name of the full-text index field to retrieve.

3.9.4.39.2 GetFullTextIndexResponse

The **GetFullTextIndexResponse** element contains output data from a **GetFullTextIndex** operation. The response contains a **FullTextIndexDTO**.

```

<xsd:element name="GetFullTextIndexResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetFullTextIndexResult" nillable="true"
type="tns:FullTextIndexDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

GetFullTextIndexResult: A **FullTextIndexDTO** that contains the elements of the full-text index field that was retrieved.

3.9.4.39.3 Complex Types

None.

3.9.4.39.4 Simple Types

None.

3.9.4.39.5 Attributes

None.

3.9.4.39.6 Groups

None.

3.9.4.39.7 Attribute Groups

None.

3.9.4.40 GetFullTextIndexMappings

The **GetFullTextIndexMappings** operation retrieves information about the full-text index fields in which a managed property is included.

```

<wsdl:operation name="GetFullTextIndexMappings">

```

```

    <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetFullTextIndexMappings" message="tns:SchemaService_GetFullTextIndexMappings_InputMessage"/>
    <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetFullTextIndexMappingsResponse"
message="tns:SchemaService_GetFullTextIndexMappings_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetFullTextIndexMappingsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_GetFullTextIndexMappings_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_GetFullTextIndexMappings_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetFullTextIndexMappings_OutputMessage** response message.

3.9.4.40.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.40.1.1 SchemaService_GetFullTextIndexMappings_InputMessage

The **SchemaService_GetFullTextIndexMappings_InputMessage** request message initiates the operation to retrieve information about the full-text index fields in which a managed property is included.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetFullTextIndexMappings

```

The SOAP body MUST contain a **GetFullTextIndexMappings** element.

3.9.4.40.1.2 SchemaService_GetFullTextIndexMappings_OutputMessage

The **SchemaService_GetFullTextIndexMappings_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetFullTextIndexMappings_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetFullTextIndexMappingsResponse

```

The SOAP body MUST contain a **GetFullTextIndexMappingsResponse** element.

3.9.4.40.1.3

SchemaService_GetFullTextIndexMappings_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetFullTextIndexMappings_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the

SchemaService_GetFullTextIndexMappings_InputMessage message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetFullTextIndexMappingsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.40.2 Elements

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

3.9.4.40.2.1 GetFullTextIndexMappings

The **GetFullTextIndexMappings** element contains input data for a **GetFullTextIndexMappings** operation.

```
<xsd:element name="GetFullTextIndexMappings">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="ManagedPropertyId" type="xsd:long"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

ManagedPropertyId: The identifier of the managed property for which to retrieve information about the full-text index fields.

3.9.4.40.2.2 GetFullTextIndexMappingsResponse

The **GetFullTextIndexMappingsResponse** element contains output data from a **GetFullTextIndexMappings** operation. The response contains a list of **FullTextIndexMappingDTO**.

```
<xsd:element name="GetFullTextIndexMappingsResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="GetFullTextIndexMappingsResult" nillable="true"  
type="tns:ArrayOfFullTextIndexMappingDTO" />  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

GetFullTextIndexMappingsResult: An **ArrayOfFullTextIndexMappingDTO**. Each **FullTextIndexMappingDTO** contains elements that specify a full-text index field in which the managed property is included.

3.9.4.40.3 Complex Types

None.

3.9.4.40.4 Simple Types

None.

3.9.4.40.5 Attributes

None.

3.9.4.40.6 Groups

None.

3.9.4.40.7 Attribute Groups

None.

3.9.4.41 GetFullTextIndexRankCollection

The **GetFullTextIndexRankCollection** operation retrieves a full-text index rank collection.

```
<wsdl:operation name="GetFullTextIndexRankCollection">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetFullTextIndexRankCollection"
    message="tns:SchemaService_GetFullTextIndexRankCollection_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetFullTextIndexRankCollectionResponse"
    message="tns:SchemaService_GetFullTextIndexRankCollection_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFull
    TextIndexRankCollectionAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetFullTextIndexRankCollection_AdminExceptionWCFFault_FaultMessage
    "/>
</wsdl:operation>
```

The protocol client MUST send a

SchemaService_GetFullTextIndexRankCollection_InputMessage request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetFullTextIndexRankCollection_OutputMessage** response message.

3.9.4.41.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.41.1.1 SchemaService_GetFullTextIndexRankCollection_InputMessage

The **SchemaService_GetFullTextIndexRankCollection_InputMessage** request message initiates the operation to retrieve a full-text index rank collection.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetFullTextIndexRankCollection
```

The SOAP body MUST contain a **GetFullTextIndexRankCollection** element.

3.9.4.41.1.2 SchemaService_GetFullTextIndexRankCollection_OutputMessage

The **SchemaService_GetFullTextIndexRankCollection_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetFullTextIndexRankCollection_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetFullTextIndexRankCollectionResponse
```

The SOAP body MUST contain a **GetFullTextIndexRankCollectionResponse** element.

3.9.4.41.1.3

SchemaService_GetFullTextIndexRankCollection_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetFullTextIndexRankCollection_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetFullTextIndexRankCollection_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetFullTextIndexRankCollectionAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.41.2 Elements

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

3.9.4.41.2.1 GetFullTextIndexRankCollection

The **GetFullTextIndexRankCollection** element contains input data for a **GetFullTextIndexRankCollection** operation.

```
<xsd:element name="GetFullTextIndexRankCollection">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

RankProfileId: The identifier of the rank profile from which to retrieve the full-text index field rank component.

3.9.4.41.2.2 GetFullTextIndexRankCollectionResponse

The **GetFullTextIndexRankCollectionResponse** element contains output data from a **GetFullTextIndexRankCollection** operation. The response contains an **ArrayOfFullTextIndexRankComponentDTO**.

```
<xsd:element name="GetFullTextIndexRankCollectionResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetFullTextIndexRankCollectionResult" nillable="true"
type="tns:ArrayOfFullTextIndexRankComponentDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetFullTextIndexRankCollectionResult: An **ArrayOfFullTextIndexRankComponentDTO**. Each **FullTextIndexRankComponentDTO** contains the elements of the given full-text index rank collection.

3.9.4.41.3 Complex Types

None.

3.9.4.41.4 Simple Types

None.

3.9.4.41.5 Attributes

None.

3.9.4.41.6 Groups

None.

3.9.4.41.7 Attribute Groups

None.

3.9.4.42 GetImportanceLevelWeight

The **GetImportanceLevelWeight** operation retrieves the weight of an importance level.

```
<wsdl:operation name="GetImportanceLevelWeight">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetImportanceLevelWeight" message="tns:SchemaService_GetImportanceLevelWeight_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
```



```

GetImportanceLevelWeightResponse"
message="tns:SchemaService_GetImportanceLevelWeight_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetImportanceLevelWeightAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_GetImportanceLevelWeight_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_GetImportanceLevelWeight_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetImportanceLevelWeight_OutputMessage** response message.

3.9.4.42.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.42.1.1 SchemaService_GetImportanceLevelWeight_InputMessage

The **SchemaService_GetImportanceLevelWeight_InputMessage** request message initiates the operation to retrieve the weight of an importance level.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetImportanceLevelWeight

```

The SOAP body MUST contain a **GetImportanceLevelWeight** element.

3.9.4.42.1.2 SchemaService_GetImportanceLevelWeight_OutputMessage

The **SchemaService_GetImportanceLevelWeight_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetImportanceLevelWeight_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetImportanceLevelWe
ightResponse

```

The SOAP body MUST contain a **GetImportanceLevelWeightResponse** element.

3.9.4.42.1.3

SchemaService_GetImportanceLevelWeight_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetImportanceLevelWeight_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetImportanceLevelWeight_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetImportanceLevelWeightAdminExceptionWCFFault

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.42.2 Elements

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

3.9.4.42.2.1 GetImportanceLevelWeight

The **GetImportanceLevelWeight** element contains input data for a **GetImportanceLevelWeight** operation.

```
<xsd:element name="GetImportanceLevelWeight">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="FullTextIndexId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="ImportanceLevel" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RankProfileId: The identifier of the rank profile.

fullTextIndexId: The identifier of the full-text index field.

ImportanceLevel: The importance level.

3.9.4.42.2.2 GetImportanceLevelWeightResponse

The **GetImportanceLevelWeightResponse** element contains output data for a **GetImportanceLevelWeight** operation. The response contains an integer value that specifies the importance level weight.

```
<xsd:element name="GetImportanceLevelWeightResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetImportanceLevelWeightResult" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetImportanceLevelWeightResult: The weight of the importance level.

3.9.4.42.3 Complex Types

None.

3.9.4.42.4 Simple Types

None.

3.9.4.42.5 Attributes

None.

3.9.4.42.6 Groups

None.

3.9.4.42.7 Attribute Groups

None.

3.9.4.43 GetManagedProperty

The **GetManagedProperty** operation retrieves a managed property.

```
<wsdl:operation name="GetManagedProperty">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetManagedProperty" message="tns:SchemaService_GetManagedProperty_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetManagedPropertyResponse" message="tns:SchemaService_GetManagedProperty_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetManagedPropertyAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetManagedProperty_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_GetManagedProperty_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetManagedProperty_OutputMessage** response message.

3.9.4.43.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.43.1.1 SchemaService_GetManagedProperty_InputMessage

The **SchemaService_GetManagedProperty_InputMessage** request message initiates the operation to retrieve a managed property.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetManagedProperty
```

The SOAP body MUST contain a **GetManagedProperty** element.

3.9.4.43.1.2 SchemaService_GetManagedProperty_OutputMessage

The **SchemaService_GetManagedProperty_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetManagedProperty_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetManagedPropertyResponse
```

The SOAP body MUST contain a **GetManagedPropertyResponse** element.

3.9.4.43.1.3

SchemaService_GetManagedProperty_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetManagedProperty_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetManagedProperty_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetManagedPropertyAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.43.2 Elements

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

3.9.4.43.2.1 **GetManagedProperty**

The **GetManagedProperty** element contains input data for a **GetManagedProperty** operation.

```
<xsd:element name="GetManagedProperty">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" name="name" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

name: The name of the managed property to retrieve.

3.9.4.43.2.2 **GetManagedPropertyResponse**

The **GetManagedPropertyResponse** element contains output data from a **GetManagedProperty** operation. The response contains a **ManagedPropertyDTO**.

```
<xsd:element name="GetManagedPropertyResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetManagedPropertyResult" nillable="true"
type="tns:ManagedPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetManagedPropertyResult: A **ManagedPropertyDTO** containing the elements of the managed property that was retrieved.

3.9.4.43.3 Complex Types

None.

3.9.4.43.4 Simple Types

None.

3.9.4.43.5 Attributes

None.

3.9.4.43.6 Groups

None.

3.9.4.43.7 Attribute Groups

None.

3.9.4.44 GetManagedPropertyBoostCollection

The **GetManagedPropertyBoostCollection** operation retrieves a list of keyword rank components.

```
<wsdl:operation name="GetManagedPropertyBoostCollection">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetManagedPropertyBoostCollection"
    message="tns:SchemaService_GetManagedPropertyBoostCollection_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetManagedPropertyBoostCollectionResponse"
    message="tns:SchemaService_GetManagedPropertyBoostCollection_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetManagedPropertyBoostCollectionAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetManagedPropertyBoostCollection_AdminExceptionWCFFault_FaultMess
    age"/>
</wsdl:operation>
```

The protocol client MUST send a

SchemaService_GetManagedPropertyBoostCollection_InputMessage request message.

When the operation finishes successfully, the schema server MUST respond with a

SchemaService_GetManagedPropertyBoostCollection_OutputMessage response message.

3.9.4.44.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.44.1.1 SchemaService_GetManagedPropertyBoostCollection_InputMessage

The **SchemaService_GetManagedPropertyBoostCollection_InputMessage** request message initiates the operation to retrieve a list of keyword rank components.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetManagedPropertyBoostCollection
```

The SOAP body MUST contain a **GetManagedPropertyBoostCollection** element.

3.9.4.44.1.2

SchemaService_GetManagedPropertyBoostCollection_OutputMessage

The **SchemaService_GetManagedPropertyBoostCollection_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetManagedPropertyBoostCollection_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetManagedPropertyBoostCollectionResponse
```

The SOAP body MUST contain a **GetManagedPropertyBoostCollectionResponse** element.

3.9.4.44.1.3

SchemaService_GetManagedPropertyBoostCollection_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetManagedPropertyBoostCollection_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetManagedPropertyBoostCollection_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetManagedPropertyBoostCollectionAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.44.2 Elements

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

3.9.4.44.2.1 **GetManagedPropertyBoostCollection**

The **GetManagedPropertyBoostCollection** element contains input data for a **GetManagedPropertyBoostCollection** operation.

```
<xsd:element name="GetManagedPropertyBoostCollection">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

```
</xsd:element>
```

RankProfileId: The identifier of the rank profile from which to retrieve the managed property boost collection.

3.9.4.44.2.2 GetManagedPropertyBoostCollectionResponse

The **GetManagedPropertyBoostCollectionResponse** element contains output data from a **GetManagedPropertyBoostCollection** operation. The response contains an **ArrayOfManagedPropertyBoostComponentDTO**.

```
<xsd:element name="GetManagedPropertyBoostCollectionResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetManagedPropertyBoostCollectionResult"
        nillable="true" type="tns:ArrayOfManagedPropertyBoostComponentDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetManagedPropertyBoostCollectionResult: An **ArrayOfManagedPropertyBoostComponentDTO**. Each **ManagedPropertyBoostComponentDTO** contains the elements of the given keyword rank component.

3.9.4.44.3 Complex Types

None.

3.9.4.44.4 Simple Types

None.

3.9.4.44.5 Attributes

None.

3.9.4.44.6 Groups

None.

3.9.4.44.7 Attribute Groups

None.

3.9.4.45 GetManagedPropertyById

The **GetManagedPropertyById** operation retrieves a managed property.

```
<wsdl:operation name="GetManagedPropertyById">
```

```

    <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetManagedPropertyById" message="tns:SchemaService_GetManagedPropertyById_InputMessage"/>
    <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetManagedPropertyByIdResponse"
message="tns:SchemaService_GetManagedPropertyById_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetManagedPropertyByIdAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_GetManagedPropertyById_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_GetManagedPropertyById_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetManagedPropertyById_OutputMessage** response message.

3.9.4.45.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.45.1.1 SchemaService_GetManagedPropertyById_InputMessage

The **SchemaService_GetManagedPropertyById_InputMessage** request message initiates the operation to retrieve a managed property.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetManagedPropertyById

```

The SOAP body MUST contain a **GetManagedPropertyById** element.

3.9.4.45.1.2 SchemaService_GetManagedPropertyById_OutputMessage

The **SchemaService_GetManagedPropertyById_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetManagedPropertyById_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetManagedPropertyByIdResponse

```

The SOAP body MUST contain a **GetManagedPropertyByIdResponse** element.

3.9.4.45.1.3

SchemaService_GetManagedPropertyById_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetManagedPropertyById_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetManagedPropertyById_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetManagedPropertyByIdAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.45.2 Elements

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

3.9.4.45.2.1 GetManagedPropertyById

The **GetManagedPropertyById** element contains input data for a **GetManagedPropertyById** operation.

```
<xsd:element name="GetManagedPropertyById">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="id" type="xsd:long"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

id: The identifier of the managed property to retrieve.

3.9.4.45.2.2 GetManagedPropertyByIdResponse

The **GetManagedPropertyByIdResponse** element contains output data from a **GetManagedPropertyById** operation. The response contains a **ManagedPropertyDTO**.

```
<xsd:element name="GetManagedPropertyByIdResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="GetManagedPropertyByIdResult" nillable="true"  
type="tns:ManagedPropertyDTO" />  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

GetManagedPropertyByIdResult: A **ManagedPropertyDTO** containing the elements of the managed property that was retrieved.

3.9.4.45.3 Complex Types

None.

3.9.4.45.4 Simple Types

None.

3.9.4.45.5 Attributes

None.

3.9.4.45.6 Groups

None.

3.9.4.45.7 Attribute Groups

None.

3.9.4.46 GetMappedManagedProperties

The **GetMappedManagedProperties** operation retrieves the managed properties that the crawled property is mapped to.

```
<wsdl:operation name="GetMappedManagedProperties">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetMappedManagedProperties"
    message="tns:SchemaService_GetMappedManagedProperties_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetMappedManagedPropertiesResponse"
    message="tns:SchemaService_GetMappedManagedProperties_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetMappedManagedPropertiesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetMappedManagedProperties_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a

SchemaService_GetMappedManagedProperties_InputMessage request message. When the operation finishes successfully, the schema server MUST respond with a

SchemaService_GetMappedManagedProperties_OutputMessage response message.

3.9.4.46.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.46.1.1 SchemaService_GetMappedManagedProperties_InputMessage

The **SchemaService_GetMappedManagedProperties_InputMessage** request message initiates the operation to retrieve the managed properties to which the crawled property is mapped.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetMappedManagedProperties
```

The SOAP body MUST contain a **GetMappedManagedProperties** element.

3.9.4.46.1.2 SchemaService_GetMappedManagedProperties_OutputMessage

The **SchemaService_GetMappedManagedProperties_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetMappedManagedProperties_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetMappedManagedPropertiesResponse
```

The SOAP body MUST contain a **GetMappedManagedPropertiesResponse** element.

3.9.4.46.1.3

SchemaService_GetMappedManagedProperties_AdminExceptionWCFFault_Fault Message

The **SchemaService_GetMappedManagedProperties_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetMappedManagedProperties_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetMappedManagedPropertiesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.46.2 Elements

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

3.9.4.46.2.1 GetMappedManagedProperties

The **GetMappedManagedProperties** element contains input data for a **GetMappedManagedProperties** operation.

```
<xsd:element name="GetMappedManagedProperties">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CrawledPropertyID" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

CrawledPropertyID: The identifier of the crawled property to retrieve the mapped managed properties from.

3.9.4.46.2.2 GetMappedManagedPropertiesResponse

The **GetMappedManagedPropertiesResponse** element contains output data from a **GetMappedManagedProperties** operation. The response contains an **ArrayOfManagedPropertyDTO**.

```
<xsd:element name="GetMappedManagedPropertiesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetMappedManagedPropertiesResult" nillable="true"
type="tns:ArrayOfManagedPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetMappedManagedPropertiesResult: An **ArrayOfManagedPropertyDTO**. Each **ManagedPropertyDTO** contains the elements of a managed property.

3.9.4.46.3 Complex Types

None.

3.9.4.46.4 Simple Types

None.

3.9.4.46.5 Attributes

None.

3.9.4.46.6 Groups

None.

3.9.4.46.7 Attribute Groups

None.

3.9.4.47 GetMappingsForLevel

The **GetMappingsForLevel** operation retrieves the managed properties that are mapped to this full-text index field.

```
<wsdl:operation name="GetMappingsForLevel">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetMappingsForLevel" message="tns:SchemaService_GetMappingsForLevel_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetMappingsForLevelResponse" message="tns:SchemaService_GetMappingsForLevel_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetMappingsForLevelAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_GetMappingsForLevel_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_GetMappingsForLevel_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetMappingsForLevel_OutputMessage** response message.

3.9.4.47.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.47.1.1 SchemaService_GetMappingsForLevel_InputMessage

The **SchemaService_GetMappingsForLevel_InputMessage** request message initiates the operation to retrieve the managed properties that are mapped to this full-text index field.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetMappingsForLevel
```

The SOAP body MUST contain a **GetMappingsForLevel** element.

3.9.4.47.1.2 SchemaService_GetMappingsForLevel_OutputMessage

The **SchemaService_GetMappingsForLevel_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetMappingsForLevel_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetMappingsForLevelResponse
```

The SOAP body MUST contain a **GetMappingsForLevelResponse** element.

3.9.4.47.1.3

SchemaService_GetMappingsForLevel_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetMappingsForLevel_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetMappingsForLevel_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetMappingsForLevelAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.47.2 Elements

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

3.9.4.47.2.1 GetMappingsForLevel

The **GetMappingsForLevel** element contains input data for a **GetMappingsForLevel** operation.

```
<xsd:element name="GetMappingsForLevel">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="fullTextIndexId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="importanceLevel" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

fullTextIndexID: The identifier of the full-text index field from which to retrieve the managed properties.

importanceLevel: The importance level of the managed properties to retrieve. Only the managed properties with the same importance level are part of the mapping.

3.9.4.47.2.2 GetMappingsForLevelResponse

The **GetMappingsForLevelResponse** element contains output data from a **GetMappingsForLevel** operation. The response contains an **ArrayOfManagedPropertyDTO**.

```
<xsd:element name="GetMappingsForLevelResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetMappingsForLevelResult" nillable="true"
type="tns:ArrayOfManagedPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetMappingsForLevelResult: An **ArrayOfManagedPropertyDTO**. Each **ManagedPropertyDTO** contains the elements of a managed property.

3.9.4.47.3 Complex Types

None.

3.9.4.47.4 Simple Types

None.

3.9.4.47.5 Attributes

None.

3.9.4.47.6 Groups

None.

3.9.4.47.7 Attribute Groups

None.

3.9.4.48 GetPropsetCategoryMappings

The **GetPropsetCategoryMappings** operation retrieves the GUIDs that are associated with a crawled property category.

```
<wsdl:operation name="GetPropsetCategoryMappings">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetPropsetCategoryMappings"
    message="tns:SchemaService_GetPropsetCategoryMappings_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetPropsetCategoryMappingsResponse"
    message="tns:SchemaService_GetPropsetCategoryMappings_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetPropsetCategoryMappingsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetPropsetCategoryMappings_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a

SchemaService_GetPropsetCategoryMappings_InputMessage request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetPropsetCategoryMappings_OutputMessage** response message.

3.9.4.48.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.48.1.1 SchemaService_GetPropsetCategoryMappings_InputMessage

The **SchemaService_GetPropsetCategoryMappings_InputMessage** request message initiates the operation to retrieve the GUIDs that are associated with a crawled property category.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetPropsetCategoryMappings
```

The SOAP body MUST contain a **GetPropsetCategoryMappings** element.

3.9.4.48.1.2 SchemaService_GetPropsetCategoryMappings_OutputMessage

The **SchemaService_GetPropsetCategoryMappings_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetPropsetCategoryMappings_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetPropsetCategoryMappingsResponse
```

The SOAP body MUST contain a **GetPropsetCategoryMappingsResponse** element.

3.9.4.48.1.3

SchemaService_GetPropsetCategoryMappings_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetPropsetCategoryMappings_AdminExceptionWCFFault_FaultMessage** response message in reply to the request that is initiated by the **SchemaService_GetPropsetCategoryMappings_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetPropsetCategoryMappingsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.48.2 Elements

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

3.9.4.48.2.1 **GetPropsetCategoryMappings**

The **GetPropsetCategoryMappings** element contains input data for a **GetPropsetCategoryMappings** operation.

```
<xsd:element name="GetPropsetCategoryMappings">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="CategoryId" type="xsd:long"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

CategoryId: The identifier of the crawled property category from which to retrieve the GUIDs associated with this category.

3.9.4.48.2.2 **GetPropsetCategoryMappingsResponse**

The **GetPropsetCategoryMappingsResponse** element contains output data for a **GetPropsetCategoryMappings** operation. The response contains an **ArrayOfguid** containing the GUIDs that are associated with the crawled property category.

```
<xsd:element name="GetPropsetCategoryMappingsResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="GetPropsetCategoryMappingsResult" nillable="true"  
        type="msa:ArrayOfguid"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```



```

        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

```

GetPropsetCategoryMappingsResult: An **ArrayOfguid** containing the GUIDs associated with this crawled property category.

3.9.4.48.3 Complex Types

None.

3.9.4.48.4 Simple Types

None.

3.9.4.48.5 Attributes

None.

3.9.4.48.6 Groups

None.

3.9.4.48.7 Attribute Groups

None.

3.9.4.49 GetQualityComponentCollection

The **GetQualityComponentCollection** operation retrieves a list of quality rank components from a rank profile.

```

<wsdl:operation name="GetQualityComponentCollection">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetQualityComponentCollection"
    message="tns:SchemaService_GetQualityComponentCollection_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetQualityComponentCollectionResponse"
    message="tns:SchemaService_GetQualityComponentCollection_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetQualityComponentCollectionAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetQualityComponentCollection_AdminExceptionWCFFault_FaultMessage"
    />
</wsdl:operation>

```

The protocol client MUST send a

SchemaService_GetQualityComponentCollection_InputMessage request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetQualityComponentCollection_OutputMessage** response message.

3.9.4.49.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.49.1.1 SchemaService_GetQualityComponentCollection_InputMessage

The **SchemaService_GetQualityComponentCollection_InputMessage** request message initiates the operation to retrieve a list of quality rank components from a rank profile.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetQualityComponentCollection
```

The SOAP body MUST contain a **GetQualityComponentCollection** element.

3.9.4.49.1.2 SchemaService_GetQualityComponentCollection_OutputMessage

The **SchemaService_GetQualityComponentCollection_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetQualityComponentCollection_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetQualityComponentCollectionResponse
```

The SOAP body MUST contain a **GetQualityComponentCollectionResponse** element.

3.9.4.49.1.3

SchemaService_GetQualityComponentCollection_AdminExceptionWCFFault_Fault Message

The **SchemaService_GetQualityComponentCollection_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetQualityComponentCollection_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetQualityComponentCollectionAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.49.2 Elements

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

3.9.4.49.2.1 GetQualityComponentCollection

The **GetQualityComponentCollection** element contains input data for a **GetQualityComponentCollection** operation.

```
<xsd:element name="GetQualityComponentCollection">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RankProfileID: The identifier of the rank profile from which to retrieve the quality rank components.

3.9.4.49.2.2 GetQualityComponentCollectionResponse

The **GetQualityComponentCollectionResponse** element contains output data from a **GetQualityComponentCollection** operation. The response contains an **ArrayOfQualityComponentDTO**.

```
<xsd:element name="GetQualityComponentCollectionResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetQualityComponentCollectionResult" nillable="true"
type="tns:ArrayOfQualityComponentDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetQualityComponentCollectionResult: An **ArrayOfQualityComponentDTO**. Each **QualityComponentDTO** contains the elements of a quality rank component.

3.9.4.49.3 Complex Types

None.

3.9.4.49.4 Simple Types

None.

3.9.4.49.5 Attributes

None.

3.9.4.49.6 Groups

None.

3.9.4.49.7 Attribute Groups

None.

3.9.4.50 GetQueryCrawledProperties

The **GetQueryCrawledProperties** operation retrieves a list of crawled properties.

```
<wsdl:operation name="GetQueryCrawledProperties">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetQueryCrawledProperties"
    message="tns:SchemaService_GetQueryCrawledProperties_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetQueryCrawledPropertiesResponse"
    message="tns:SchemaService_GetQueryCrawledProperties_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetQueryCrawledPropertiesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetQueryCrawledProperties_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_GetQueryCrawledProperties_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetQueryCrawledProperties_OutputMessage** response message.

3.9.4.50.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.50.1.1 SchemaService_GetQueryCrawledProperties_InputMessage

The **SchemaService_GetQueryCrawledProperties_InputMessage** request message initiates the operation to retrieve a list of crawled properties.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetQueryCrawledProperties
```

The SOAP body MUST contain a **GetQueryCrawledProperties** element.

3.9.4.50.1.2 SchemaService_GetQueryCrawledProperties_OutputMessage

The **SchemaService_GetQueryCrawledProperties_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetQueryCrawledProperties_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetQueryCrawledPropertiesResponse
```

The SOAP body MUST contain a **GetQueryCrawledPropertiesResponse** element.

3.9.4.50.1.3

SchemaService_GetQueryCrawledProperties_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetQueryCrawledProperties_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetQueryCrawledProperties_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetQueryCrawledPropertiesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.50.2 Elements

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

3.9.4.50.2.1 GetQueryCrawledProperties

The **GetQueryCrawledProperties** element contains input data for a **GetQueryCrawledProperties** operation.

```
<xsd:element name="GetQueryCrawledProperties">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="filter" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="offset" type="xsd:int"/>
      <xsd:element minOccurs="0" name="count" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

filter: A string value that is the name of the crawled property.

offset: An integer value that specifies the position in the result set at which to begin.

count: An integer value that specifies the size of the result set.

3.9.4.50.2.2 GetQueryCrawledPropertiesResponse

The **GetQueryCrawledPropertiesResponse** element contains output data from a **GetQueryCrawledProperties** operation. The response contains an **ArrayOfCrawledPropertyDTO**.

```
<xsd:element name="GetQueryCrawledPropertiesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetQueryCrawledPropertiesResult" nillable="true"
type="tns:ArrayOfCrawledPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
```

</xsd:element>

GetQueryCrawledPropertiesResult: An **ArrayOfCrawledPropertyDTO**. Each **CrawledPropertyDTO** contains the elements of a crawled property.

3.9.4.50.3 Complex Types

None.

3.9.4.50.4 Simple Types

None.

3.9.4.50.5 Attributes

None.

3.9.4.50.6 Groups

None.

3.9.4.50.7 Attribute Groups

None.

3.9.4.51 GetQueryCrawledPropertiesByWildcard

The **GetQueryCrawledPropertiesByWildcard** operation retrieves a list of crawled properties.

```
<wsdl:operation name="GetQueryCrawledPropertiesByWildcard">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetQueryCrawledPropertiesByWildcard"
    message="tns:SchemaService_GetQueryCrawledPropertiesByWildcard_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetQueryCrawledPropertiesByWildcardResponse"
    message="tns:SchemaService_GetQueryCrawledPropertiesByWildcard_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetQueryCrawledPropertiesByWildcardAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetQueryCrawledPropertiesByWildcard_AdminExceptionWCFFault_FaultMe
    ssage"/>
</wsdl:operation>
```

The protocol client **MUST** send a

SchemaService_GetQueryCrawledPropertiesByWildcard_InputMessage request message.

When the operation finishes successfully, the schema server **MUST** respond with a

SchemaService_GetQueryCrawledPropertiesByWildcard_OutputMessage response message.

3.9.4.51.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.51.1.1

SchemaService_GetQueryCrawledPropertiesByWildcard_InputMessage

The **SchemaService_GetQueryCrawledPropertiesByWildcard_InputMessage** request message initiates the operation to retrieve a list of crawled properties.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetQueryCrawledPropertiesByWildcard
```

The SOAP body MUST contain a **GetQueryCrawledPropertiesByWildcard** element.

3.9.4.51.1.2

SchemaService_GetQueryCrawledPropertiesByWildcard_OutputMessage

The **SchemaService_GetQueryCrawledPropertiesByWildcard_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetQueryCrawledPropertiesByWildcard_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetQueryCrawledPropertiesByWildcardResponse
```

The SOAP body MUST contain a **GetQueryCrawledPropertiesByWildcardResponse** element.

3.9.4.51.1.3

SchemaService_GetQueryCrawledPropertiesByWildcard_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetQueryCrawledPropertiesByWildcard_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetQueryCrawledPropertiesByWildcard_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetQueryCrawledPropertiesByWildcardAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.51.2 Elements

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

3.9.4.51.2.1 **GetQueryCrawledPropertiesByWildcard**

The **GetQueryCrawledPropertiesByWildcard** element contains input data for a **GetQueryCrawledPropertiesByWildcard** operation.

```

<xsd:element name="GetQueryCrawledPropertiesByWildcard">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="offset" type="xsd:int"/>
      <xsd:element minOccurs="0" name="count" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

name: A string value that is the name of the crawled property. The string value may contain wildcard characters.

offset: An integer value that specifies the position in the result set at which to begin.

count: An integer value that specifies the size of the result set.

3.9.4.51.2.2 GetQueryCrawledPropertiesByWildcardResponse

The **GetQueryCrawledPropertiesByWildcardResponse** element contains output data from a **GetQueryCrawledPropertiesByWildcard** operation. The response contains an **ArrayOfCrawledPropertyDTO**.

```

<xsd:element name="GetQueryCrawledPropertiesByWildcardResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetQueryCrawledPropertiesByWildcardResult"
nillable="true" type="tns:ArrayOfCrawledPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

GetQueryCrawledPropertiesByWildcardResult: An **ArrayOfCrawledPropertyDTO**. Each **CrawledPropertyDTO** contains the elements of a crawled property.

3.9.4.51.3 Complex Types

None.

3.9.4.51.4 Simple Types

None.

3.9.4.51.5 Attributes

None.

3.9.4.51.6 Groups

None.

3.9.4.51.7 Attribute Groups

None.

3.9.4.52 GetRankProfile

The **GetRankProfile** operation retrieves a rank profile.

```
<wsdl:operation name="GetRankProfile">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetRankProfile" message="tns:SchemaService_GetRankProfile_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetRankProfileResponse" message="tns:SchemaService_GetRankProfile_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetRankProfileAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetRankProfile_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_GetRankProfile_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetRankProfile_OutputMessage** response message.

3.9.4.52.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.52.1.1 SchemaService_GetRankProfile_InputMessage

The **SchemaService_GetRankProfile_InputMessage** request message initiates the operation to retrieve a rank profile.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetRankProfile
```

The SOAP body MUST contain a **GetRankProfile** element.

3.9.4.52.1.2 SchemaService_GetRankProfile_OutputMessage

The **SchemaService_GetRankProfile_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetRankProfile_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetRankProfileResponse
```

The SOAP body MUST contain a **GetRankProfileResponse** element.

3.9.4.52.1.3

SchemaService_GetRankProfile_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetRankProfile_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the

SchemaService_GetRankProfile_InputMessage message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetRankProfileAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.52.2 Elements

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

3.9.4.52.2.1 GetRankProfile

The **GetRankProfile** element contains input data for a **GetRankProfile** operation.

```
<xsd:element name="GetRankProfile">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="name" nillable="true" type="xsd:string"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

name: The name of the rank profile to retrieve.

3.9.4.52.2.2 GetRankProfileResponse

The **GetRankProfileResponse** element contains output data from a **GetRankProfile** operation. The response contains a **RankProfileDTO**.

```
<xsd:element name="GetRankProfileResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="GetRankProfileResult" nillable="true"  
type="tns:RankProfileDTO" />  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

GetRankProfileResult: The elements of the retrieved rank profile.

3.9.4.52.3 Complex Types

None.

3.9.4.52.4 Simple Types

None.

3.9.4.52.5 Attributes

None.

3.9.4.52.6 Groups

None.

3.9.4.52.7 Attribute Groups

None.

3.9.4.53 GetRefinerConfiguration

The **GetRefinerConfiguration** operation retrieves a refiner configuration from a managed property.

```
<wsdl:operation name="GetRefinerConfiguration">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetRefinerConfiguration" message="tns:SchemaService_GetRefinerConfiguration_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetRefinerConfigurationResponse"
    message="tns:SchemaService_GetRefinerConfiguration_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetRefinerConfigurationAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetRefinerConfiguration_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_GetRefinerConfiguration_InputMessage** request message. On successful completion, the schema server MUST respond with a **SchemaService_GetRefinerConfiguration_OutputMessage** response message.

3.9.4.53.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.53.1.1 SchemaService_GetRefinerConfiguration_InputMessage

The **SchemaService_GetRefinerConfiguration_InputMessage** request message initiates the operation to retrieve a refiner configuration from a managed property.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetRefinerConfiguration
```

The SOAP body MUST contain a **GetRefinerConfiguration** element.

3.9.4.53.1.2 SchemaService_GetRefinerConfiguration_OutputMessage

The **SchemaService_GetRefinerConfiguration_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetRefinerConfiguration_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetRefinerConfigurationResponse
```

The SOAP body MUST contain a **GetRefinerConfigurationResponse** element.

3.9.4.53.1.3

SchemaService_GetRefinerConfiguration_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetRefinerConfiguration_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetRefinerConfiguration_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
GetRefinerConfigurationAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.53.2 Elements

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

3.9.4.53.2.1 GetRefinerConfiguration

The **GetRefinerConfiguration** element contains input data for a **GetRefinerConfiguration** operation.

```
<xsd:element name="GetRefinerConfiguration">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="ManagedPropertyId" type="xsd:long"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

ManagedPropertyId: The identifier of the managed property with the refiner configuration.

3.9.4.53.2.2 GetRefinerConfigurationResponse

The **GetRefinerConfigurationResponse** element contains output data from a **GetRefinerConfiguration** operation. The response contains a **RefinerConfigurationDTO**.

```
<xsd:element name="GetRefinerConfigurationResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="GetRefinerConfigurationResult" nillable="true"  
        type="tns:RefinerConfigurationDTO" />  
    </xsd:sequence>  
</xsd:element>
```

```
</xsd:complexType>
</xsd:element>
```

GetRefinerConfigurationResult: A **RefinerConfigurationDTO** containing the elements of the refiner configuration that was retrieved from the managed property.

3.9.4.53.3 Complex Types

None.

3.9.4.53.4 Simple Types

None.

3.9.4.53.5 Attributes

None.

3.9.4.53.6 Groups

None.

3.9.4.53.7 Attribute Groups

None.

3.9.4.54 GetUnmappedCrawledProperties

The **GetUnmappedCrawledProperties** operation retrieves all unmapped crawled properties.

```
<wsdl:operation name="GetUnmappedCrawledProperties">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetUnmappedCrawledProperties"
    message="tns:SchemaService_GetUnmappedCrawledProperties_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetUnmappedCrawledPropertiesResponse"
    message="tns:SchemaService_GetUnmappedCrawledProperties_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    GetUnmappedCrawledPropertiesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetUnmappedCrawledProperties_AdminExceptionWCFFault_FaultMessage"/
  >
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_GetUnmappedCrawledProperties_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_GetUnmappedCrawledProperties_OutputMessage** response message.

3.9.4.54.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.54.1.1 SchemaService_GetUnmappedCrawledProperties_InputMessage

The **SchemaService_GetUnmappedCrawledProperties_InputMessage** request message initiates the operation to retrieve all unmapped crawled properties.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetUnmappedCrawledProperties
```

The SOAP body MUST contain a **GetUnmappedCrawledProperties** element.

3.9.4.54.1.2 SchemaService_GetUnmappedCrawledProperties_OutputMessage

The **SchemaService_GetUnmappedCrawledProperties_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetUnmappedCrawledProperties_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetUnmappedCrawledPropertiesResponse
```

The SOAP body MUST contain a **GetUnmappedCrawledPropertiesResponse** element.

3.9.4.54.1.3

SchemaService_GetUnmappedCrawledProperties_AdminExceptionWCFFault_FaultMessage

The **SchemaService_GetUnmappedCrawledProperties_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_GetUnmappedCrawledProperties_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
GetUnmappedCrawledPropertiesAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.54.2 Elements

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

3.9.4.54.2.1 GetUnmappedCrawledProperties

The **GetUnmappedCrawledProperties** element contains input data for a **GetUnmappedCrawledProperties** operation.

```
<xsd:element name="GetUnmappedCrawledProperties">
  <xsd:complexType>
```

```

    <xsd:sequence>
      <xsd:element minOccurs="0" name="CategoryId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

CategoryId: The identifier of the crawled property category from which to retrieve the unmapped crawled properties.

3.9.4.54.2.2 GetUnmappedCrawledPropertiesResponse

The **GetUnmappedCrawledPropertiesResponse** element contains output data from a **GetUnmappedCrawledProperties** operation. The response contains an **ArrayOfCrawledPropertyDTO**.

```

<xsd:element name="GetUnmappedCrawledPropertiesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetUnmappedCrawledPropertiesResult" nillable="true"
type="tns:ArrayOfCrawledPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

GetUnmappedCrawledPropertiesResult: An **ArrayOfCrawledPropertyDTO**.

3.9.4.54.3 Complex Types

None.

3.9.4.54.4 Simple Types

None.

3.9.4.54.5 Attributes

None.

3.9.4.54.6 Groups

None.

3.9.4.54.7 Attribute Groups

None.

3.9.4.55 MakeDefaultFullTextIndex

The **MakeDefaultFullTextIndex** operation sets a full-text index field to be the default full-text index field. Search queries that do not search a specific full-text index field or managed property MUST be evaluated against the default full-text index field. This operation is asynchronous. This operation MUST update the rank.cf and indexConfig.xml files (see [\[MS-FSSCFG\]](#) section 2).

```

<wsdl:operation name="MakeDefaultFullTextIndex">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    MakeDefaultFullTextIndex" message="tns:SchemaService_MakeDefaultFullTextIndex_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/
    SchemaService/MakeDefaultFullTextIndexResponse"
    message="tns:SchemaService_MakeDefaultFullTextIndex_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    MakeDefaultFullTextIndexAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_MakeDefaultFullTextIndex_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_MakeDefaultFullTextIndex_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_MakeDefaultFullTextIndex_OutputMessage** response message.

3.9.4.55.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.55.1.1 SchemaService_MakeDefaultFullTextIndex_InputMessage

The **SchemaService_MakeDefaultFullTextIndex_InputMessage** request message initiates the operation to make a full-text index field the default full-text index field.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
MakeDefaultFullTextIndex

```

The SOAP body MUST contain a **MakeDefaultFullTextIndex** element.

3.9.4.55.1.2 SchemaService_MakeDefaultFullTextIndex_OutputMessage

The **SchemaService_MakeDefaultFullTextIndex_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_MakeDefaultFullTextIndex_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/MakeDefaultFullTextI
ndexResponse

```

The SOAP body MUST contain a **MakeDefaultFullTextIndexResponse** element.

3.9.4.55.1.3

SchemaService_MakeDefaultFullTextIndex_AdminExceptionWCFFault_FaultMessage

The **SchemaService_MakeDefaultFullTextIndex_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the

SchemaService_MakeDefaultFullTextIndex_InputMessage message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
MakeDefaultFullTextIndexAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.55.2 Elements

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

3.9.4.55.2.1 MakeDefaultFullTextIndex

The **MakeDefaultFullTextIndex** element contains input data for a **MakeDefaultFullTextIndex** operation.

```
<xsd:element name="MakeDefaultFullTextIndex">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="FullTextIndexName" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

FullTextIndexName: The name of the full-text index field to make the default full-text index field.

3.9.4.55.2.2 MakeDefaultFullTextIndexResponse

The **MakeDefaultFullTextIndexResponse** element contains result data for a **MakeDefaultFullTextIndex** operation.

```
<xsd:element name="MakeDefaultFullTextIndexResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.9.4.55.3 Complex Types

None.

3.9.4.55.4 Simple Types

None.

3.9.4.55.5 Attributes

None.

3.9.4.55.6 Groups

None.

3.9.4.55.7 Attribute Groups

None.

3.9.4.56 MakeDefaultRankProfile

The MakeDefaultRankProfile operation makes a rank profile the default rank profile. Any search query against the search application that does not specify a rank profile or sorting operation MUST be sorted according to the default rank-profile. This operation is asynchronous, and the rank.cf and indexConfig.xml configuration files MUST be updated (see [MS-FSSCFG] section 2). The default rank profile is always listed as the first of the rank profiles listed in the indexConfig.xml and rank.cf configuration files.

```
<wsdl:operation
name="MakeDefaultRankProfile">
```

```
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
MakeDefaultRankProfile" message="tns:SchemaService_MakeDefaultRankProfile_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ SchemaService/
MakeDefaultRankProfileResponse"
message="tns:SchemaService_MakeDefaultRankProfile_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
MakeDefaultRankProfileAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_MakeDefaultRankProfile_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_MakeDefaultRankProfile_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_MakeDefaultRankProfile_OutputMessage** response message.

3.9.4.56.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.56.1.1 SchemaService_MakeDefaultRankProfile_InputMessage

The **SchemaService_MakeDefaultRankProfile_InputMessage** request message initiates the operation to make a rank profile the default rank profile.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
MakeDefaultRankProfile
```

The SOAP body MUST contain a **MakeDefaultRankProfile** element.

3.9.4.56.1.2 SchemaService_MakeDefaultRankProfile_OutputMessage

The **SchemaService_MakeDefaultRankProfile_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_MakeDefaultRankProfile_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/MakeDefaultRankProfileResponse
```

The SOAP body MUST contain a **MakeDefaultRankProfileResponse** element.

3.9.4.56.1.3

SchemaService_MakeDefaultRankProfile_AdminExceptionWCFFault_FaultMessage

The **SchemaService_MakeDefaultRankProfile_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_MakeDefaultRankProfile_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/MakeDefaultRankProfileAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.56.2 Elements

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

3.9.4.56.2.1 **MakeDefaultRankProfile**

The **MakeDefaultRankProfile** element contains input data for a **MakeDefaultRankProfile** operation.

```
<xsd:element name="MakeDefaultRankProfile">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RankProfileId: The identifier of the rank profile to set as the default rank profile.

3.9.4.56.2.2 **MakeDefaultRankProfileResponse**

The **MakeDefaultRankProfileResponse** element contains result data for a **MakeDefaultRankProfile** operation.

```
<xsd:element name="MakeDefaultRankProfileResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.9.4.56.3 Complex Types

None.

3.9.4.56.4 Simple Types

None.

3.9.4.56.5 Attributes

None.

3.9.4.56.6 Groups

None.

3.9.4.56.7 Attribute Groups

None.

3.9.4.57 QueryCrawledProperties

The **QueryCrawledProperties** operation retrieves a list of crawled properties for a crawled property category.

```
<wsdl:operation name="QueryCrawledProperties">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    QueryCrawledProperties" message="tns:SchemaService_QueryCrawledProperties_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    QueryCrawledPropertiesResponse"
    message="tns:SchemaService_QueryCrawledProperties_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    QueryCrawledPropertiesAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_QueryCrawledProperties_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_QueryCrawledProperties_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_QueryCrawledProperties_OutputMessage** response message.

3.9.4.57.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.57.1.1 SchemaService_QueryCrawledProperties_InputMessage

The **SchemaService_QueryCrawledProperties_InputMessage** request message initiates the operation to retrieve the list of crawled properties for a crawled property category.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
QueryCrawledProperties

The SOAP body MUST contain a **QueryCrawledProperties** element.

3.9.4.57.1.2 SchemaService_QueryCrawledProperties_OutputMessage

The **SchemaService_QueryCrawledProperties_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_QueryCrawledProperties_InputMessage** message.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
QueryCrawledPropertiesResponse

The SOAP body MUST contain a **QueryCrawledPropertiesResponse** element.

3.9.4.57.1.3

SchemaService_QueryCrawledProperties_AdminExceptionWCFFault_FaultMessage

The **SchemaService_QueryCrawledProperties_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_QueryCrawledProperties_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
QueryCrawledPropertiesAdminExceptionWCFFault

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.57.2 Elements

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

3.9.4.57.2.1 QueryCrawledProperties

The **QueryCrawledProperties** element contains input data for a **QueryCrawledProperties** operation.

```
<xsd:element name="QueryCrawledProperties">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CategoryName" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="0" name="filter" type="xsd:string"/>
      <xsd:element minOccurs="0" name="offset" type="xsd:int"/>
      <xsd:element minOccurs="0" name="count" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
```

</xsd:element>

CategoryName: The identifier of the crawled property category from which to retrieve the crawled properties.

filter: A string value that is the name of the crawled property.

offset: An integer value that specifies the position in the result set at which to begin.

count: An integer value that specifies the size of the result set.

3.9.4.57.2.2 QueryCrawledPropertiesResponse

The **QueryCrawledPropertiesResponse** element contains output data from a **QueryCrawledProperties** operation. The response contains an **ArrayOfCrawledPropertyDTO**.

```
<xsd:element name="QueryCrawledPropertiesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="QueryCrawledPropertiesResult" nillable="true"
type="tns:ArrayOfCrawledPropertyDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

QueryCrawledPropertiesResult: An **ArrayOfCrawledPropertyDTO**. Each **CrawledPropertyDTO** contains the elements of a crawled property.

3.9.4.57.3 Complex Types

None.

3.9.4.57.4 Simple Types

None.

3.9.4.57.5 Attributes

None.

3.9.4.57.6 Groups

None.

3.9.4.57.7 Attribute Groups

None.

3.9.4.58 QueryCrawledPropertiesByWildcard

3.9.4.59 SetCrawledPropertyMappings

The **SetCrawledPropertyMappings** operation sets crawled property mappings for a managed property. The operation MUST update the ManagedProperties.xml configuration file (see [MS-FSPSCFG] section 2.2) to propagate the change to the rest of the search system. This operation will only impact new content being processed, and existing content MUST be reprocessed from the content source for the change to take effect.

```
<wsdl:operation name="SetCrawledPropertyMappings">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    SetCrawledPropertyMappings"
    message="tns:SchemaService_SetCrawledPropertyMappings_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    SetCrawledPropertyMappingsResponse"
    message="tns:SchemaService_SetCrawledPropertyMappings_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    SetCrawledPropertyMappingsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_SetCrawledPropertyMappings_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_SetCrawledPropertyMappings_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_SetCrawledPropertyMappings_OutputMessage** response message.

3.9.4.59.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.59.1.1 SchemaService_SetCrawledPropertyMappings_InputMessage

The **SchemaService_SetCrawledPropertyMappings_InputMessage** request message initiates the operation that sets crawled property mappings for a managed property.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
SetCrawledPropertyMappings
```

The SOAP body MUST contain a **SetCrawledPropertyMappings** element.

3.9.4.59.1.2 SchemaService_SetCrawledPropertyMappings_OutputMessage

The **SchemaService_SetCrawledPropertyMappings_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_SetCrawledPropertyMappings_InputMessage** message.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
SetCrawledPropertyMappingsResponse

The SOAP body MUST contain a **SetCrawledPropertyMappingsResponse** element.

3.9.4.59.1.3

SchemaService_SetCrawledPropertyMappings_AdminExceptionWCFFault_FaultMessage

The

SchemaService_SetCrawledPropertyMappings_AdminExceptionWCFFault_FaultMessage response message is sent in reply to the request that is initiated by the **SchemaService_SetCrawledPropertyMappings_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
SetCrawledPropertyMappingsAdminExceptionWCFFault

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.59.2 Elements

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

3.9.4.59.2.1 SetCrawledPropertyMappings

The **SetCrawledPropertyMappings** element contains input data for a **SetCrawledPropertyMappings** operation.

```
<xsd:element name="SetCrawledPropertyMappings">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="id" type="xsd:long"/>
      <xsd:element minOccurs="0" name="cpm" nillable="true"
type="tns:ArrayOfCrawledPropertyDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

id: The identifier of the managed property to which to map the provided crawled properties.

cpm: An **ArrayOfCrawledPropertyDTO**.

3.9.4.59.2.2 SetCrawledPropertyMappingsResponse

The **SetCrawledPropertyMappingsResponse** element contains output data from a **SetCrawledPropertyMappings** operation.

```
<xsd:element name="SetCrawledPropertyMappingsResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```



```

    </xsd:complexType>
  </xsd:element>

```

The element is empty.

3.9.4.59.3 Complex Types

None.

3.9.4.59.4 Simple Types

None.

3.9.4.59.5 Attributes

None.

3.9.4.59.6 Groups

None.

3.9.4.59.7 Attribute Groups

None.

3.9.4.60 SetFreshnessManagedPropertyReference

The **SetFreshnessManagedPropertyReference** operation sets the managed property that is used as a reference of freshness for a rank profile. The freshness indicates the age of a document relative to the time at which the query was issued. This operation is asynchronous. This operation **MUST** update the rank.cf and indexConfig.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```

<wsdl:operation name="SetFreshnessManagedPropertyReference">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    SetFreshnessManagedPropertyReference"
    message="tns:SchemaService_SetFreshnessManagedPropertyReference_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ SchemaService/
    SetFreshnessManagedPropertyReferenceResponse"
    message="tns:SchemaService_SetFreshnessManagedPropertyReference_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    SetFreshnessManagedPropertyReferenceAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_SetFreshnessManagedPropertyReference_AdminExceptionWCFFault_FaultM
    essage"/>
</wsdl:operation>

```

The protocol client **MUST** send a

SchemaService_SetFreshnessManagedPropertyReference_InputMessage request message.

When the operation finishes successfully, the schema server **MUST** respond with a

SchemaService_SetFreshnessManagedPropertyReference_OutputMessage response message.

3.9.4.60.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.60.1.1

SchemaService_SetFreshnessManagedPropertyReference_InputMessage

The **SchemaService_SetFreshnessManagedPropertyReference_InputMessage** request message initiates the operation to set the managed property that is used as a reference of freshness.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
SetFreshnessManagedPropertyReference
```

The SOAP body MUST contain a **SetFreshnessManagedPropertyReference** element.

3.9.4.60.1.2

SchemaService_SetFreshnessManagedPropertyReference_OutputMessage

The **SchemaService_SetFreshnessManagedPropertyReference_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_SetFreshnessManagedPropertyReference_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetFreshnessManagedP  
ropertyReferenceResponse
```

The SOAP body MUST contain a **SetFreshnessManagedPropertyReferenceResponse** element.

3.9.4.60.1.3

SchemaService_SetFreshnessManagedPropertyReference_AdminExceptionWCFFault_FaultMessage

The **SchemaService_SetFreshnessManagedPropertyReference_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_SetFreshnessManagedPropertyReference_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
SetFreshnessManagedPropertyReferenceAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.60.2 Elements

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

3.9.4.60.2.1 SetFreshnessManagedPropertyReference

The **SetFreshnessManagedPropertyReference** element contains input data for a **SetFreshnessManagedPropertyReference** operation.

```
<xsd:element name="SetFreshnessManagedPropertyReference">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>
      <xsd:element minOccurs="1" name="ManagedPropertyName" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RankProfileId: The identifier of the rank profile.

ManagedPropertyName: The managed property for which to set freshness.

3.9.4.60.2.2 SetFreshnessManagedPropertyReferenceResponse

The **SetFreshnessManagedPropertyReferenceResponse** element contains result data for a **SetFreshnessManagedPropertyReference** operation.

```
<xsd:element name="SetFreshnessManagedPropertyReferenceResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.9.4.60.3 Complex Types

None.

3.9.4.60.4 Simple Types

None.

3.9.4.60.5 Attributes

None.

3.9.4.60.6 Groups

None.

3.9.4.60.7 Attribute Groups

None.

3.9.4.61 SetImportanceLevelWeight

The **SetImportanceLevelWeight** operation sets the relevancy weight for a given importance level of a full-text index field for a specific rank profile. This operation is asynchronous. This operation MUST update the rank.cf and indexConfig.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```
<wsdl:operation name="SetImportanceLevelWeight">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    SetImportanceLevelWeight" message="tns:SchemaService_SetImportanceLevelWeight_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ SchemaService/
    SetImportanceLevelWeightResponse"
    message="tns:SchemaService_SetImportanceLevelWeight_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    SetImportanceLevelWeightAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_SetImportanceLevelWeight_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_SetImportanceLevelWeight_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_SetImportanceLevelWeight_OutputMessage** response message.

3.9.4.61.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.61.1.1 SchemaService_SetImportanceLevelWeight_InputMessage

The **SchemaService_SetImportanceLevelWeight_InputMessage** request message initiates the operation to set the weight for a given importance level.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
SetImportanceLevelWeight
```

The SOAP body MUST contain a **SetImportanceLevelWeight** element.

3.9.4.61.1.2 SchemaService_SetImportanceLevelWeight_OutputMessage

The **SchemaService_SetImportanceLevelWeight_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_SetImportanceLevelWeight_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetImportanceLevelWe
ightResponse
```

The SOAP body MUST contain a **SetImportanceLevelWeightResponse** element.

3.9.4.61.1.3

SchemaService_SetImportanceLevelWeight_AdminExceptionWCFFault_FaultMessage

The **SchemaService_SetImportanceLevelWeight_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_SetImportanceLevelWeight_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
SetImportanceLevelWeightAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.61.2 Elements

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

3.9.4.61.2.1 SetImportanceLevelWeight

The **SetImportanceLevelWeight** element contains input data for a **SetImportanceLevelWeight** operation.

```
<xsd:element name="SetImportanceLevelWeight">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>  
      <xsd:element minOccurs="0" name="FullTextIndexId" type="xsd:long"/>  
      <xsd:element minOccurs="0" name="ImportanceLevel" type="xsd:int"/>  
      <xsd:element minOccurs="0" name="Weight" type="xsd:int"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

RankProfileId: The identifier of the rank profile for which to set the weight of the importance level.

FullTextIndexId: The identifier of the full-text index field.

ImportanceLevel: The importance level to set.

Weight: The weight to set.

3.9.4.61.2.2 SetImportanceLevelWeightResponse

The **SetImportanceLevelWeightResponse** element contains result data for a **SetImportanceLevelWeight** operation.

```
<xsd:element name="SetImportanceLevelWeightResponse">  
  <xsd:complexType>  
    <xsd:sequence/>  
  </xsd:complexType>  
</xsd:element>
```

The element is empty.

3.9.4.61.3 Complex Types

None.

3.9.4.61.4 Simple Types

None.

3.9.4.61.5 Attributes

None.

3.9.4.61.6 Groups

None.

3.9.4.61.7 Attribute Groups

None.

3.9.4.62 SetPropsetCategoryMappings

The **SetPropsetCategoryMappings** operation associates GUIDs with a crawled property category. Crawled properties that have any of these unique identifiers as propset values (see **CrawledPropertyDTO**) MUST be regarded as being associated with this category. This operation MUST update the PropertyCategories.xml file (see [\[MS-FSPSCFG\]](#) section 2.3).

```
<wsdl:operation name="SetPropsetCategoryMappings">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    SetPropsetCategoryMappings"
    message="tns:SchemaService_SetPropsetCategoryMappings_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    SetPropsetCategoryMappingsResponse"
    message="tns:SchemaService_SetPropsetCategoryMappings_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    SetPropsetCategoryMappingsAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_SetPropsetCategoryMappings_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a

SchemaService_SetPropsetCategoryMappings_InputMessage request message. When the operation finishes successfully, the schema server MUST respond with a

SchemaService_SetPropsetCategoryMappings_OutputMessage response message.

3.9.4.62.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.62.1.1 SchemaService_SetPropsetCategoryMappings_InputMessage

The **SchemaService_SetImportanceLevelWeight_AdminExceptionWCFFault_FaultMessage** request message initiates the operation that associates the global unique identifiers with a crawled property category.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
SetPropsetCategoryMappings
```

The SOAP body MUST contain an **SetPropsetCategoryMappings** element.

3.9.4.62.1.2 SchemaService_SetPropsetCategoryMappings_OutputMessage

The **SchemaService_SetPropsetCategoryMappings_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_SetPropsetCategoryMappings_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
SetPropsetCategoryMappingsResponse
```

The SOAP body MUST contain a **SetPropsetCategoryMappingsResponse** element.

3.9.4.62.1.3

SchemaService_SetPropsetCategoryMappings_AdminExceptionWCFFault_FaultMessage

The **SchemaService_SetPropsetCategoryMappings_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_SetPropsetCategoryMappings_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
SetPropsetCategoryMappingsAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.62.2 Elements

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

3.9.4.62.2.1 SetPropsetCategoryMappings

The **SetPropsetCategoryMappings** element contains input data for a **SetPropsetCategoryMappings** operation.

```
<xsd:element name="SetPropsetCategoryMappings">
```

```

<xsd:complexType>
  <xsd:sequence>
    <xsd:element minOccurs="1" name="CategoryId" type="xsd:long"/>
    <xsd:element minOccurs="1" name="propsets" type="msa:ArrayOfguid"/>
  </xsd:sequence>
</xsd:complexType>
</xsd:element>

```

CategoryId: The identifier of the crawled property category with which to associate the GUIDs.

propsets: An **ArrayOfguid** that contains the globally unique identifiers that are to be associated with the crawled property category.

3.9.4.62.2.2 SetPropsetCategoryMappingsResponse

The **SetPropsetCategoryMappingsResponse** element contains output data from a **SetPropsetCategoryMappings** operation.

```

<xsd:element name="SetPropsetCategoryMappingsResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>

```

The element is empty.

3.9.4.62.3 Complex Types

None.

3.9.4.62.4 Simple Types

None.

3.9.4.62.5 Attributes

None.

3.9.4.62.6 Groups

None.

3.9.4.62.7 Attribute Groups

None.

3.9.4.63 SetRefinerConfiguration

The **SetRefinerConfiguration** operation updates the refiner configuration of the managed property. If the refiner configuration does not exist it is created. This method is applicable only if the value of the **RefinementEnabled** attribute of the managed property is **true**. This operation is asynchronous. The operation MUST update the indexConfig.xml, index.cf, FieldProperties.xml, fixml_mappings.xml and configuration.attributes.xml (see [\[MS-FSSCFG\]](#) section 2).


```

<wsdl:operation name="SetRefinerConfiguration">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
SetRefinerConfiguration" message="tns:SchemaService_SetRefinerConfiguration_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
SetRefinerConfigurationResponse"
message="tns:SchemaService_SetRefinerConfiguration_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
SetRefinerConfigurationAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_SetRefinerConfiguration_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_SetRefinerConfiguration_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_SetRefinerConfiguration_OutputMessage** response message.

3.9.4.63.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.63.1.1 SchemaService_SetRefinerConfiguration_InputMessage

The **SchemaService_SetRefinerConfiguration_InputMessage** request message initiates the operation to update the refiner configuration of the managed property.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
SetRefinerConfiguration

```

The SOAP body MUST contain a **SetRefinerConfiguration** element.

3.9.4.63.1.2 SchemaService_SetRefinerConfiguration_OutputMessage

The **SchemaService_SetRefinerConfiguration_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_SetRefinerConfiguration_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
SetRefinerConfigurationResponse

```

The SOAP body MUST contain a **SetRefinerConfigurationResponse** element.

3.9.4.63.1.3

SchemaService_SetRefinerConfiguration_AdminExceptionWCFFault_FaultMessage

The **SchemaService_SetRefinerConfiguration_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the

SchemaService_SetRefinerConfiguration_InputMessage message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
SetRefinerConfigurationAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.63.2 Elements

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

3.9.4.63.2.1 SetRefinerConfiguration

The **SetRefinerConfiguration** element contains input data for a **SetRefinerConfiguration** operation. The input data contains a **RefinerConfigurationDTO**.

```
<xsd:element name="SetRefinerConfiguration">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="ManagedPropertyId" type="xsd:long"/>  
      <xsd:element minOccurs="0" name="Refiner" type="tns:RefinerConfigurationDTO"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

ManagedPropertyId: The identifier of the managed property that is associated with the refiner.

Refiner: The **RefinerConfigurationDTO** to set in the managed property.

3.9.4.63.2.2 SetRefinerConfigurationResponse

The **SetRefinerConfigurationResponse** element contains output data from a **SetRefinerConfiguration** operation. The response contains a **RefinerConfigurationDTO**.

```
<xsd:element name="SetRefinerConfigurationResponse">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="SetRefinerConfigurationResult" nillable="true"  
type="tns:RefinerConfigurationDTO" />  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

SetRefinerConfigurationResult: A **RefinerConfigurationDTO** that receives the elements of the refiner configuration.

3.9.4.63.3 Complex Types

None.

3.9.4.63.4 Simple Types

None.

3.9.4.63.5 Attributes

None.

3.9.4.63.6 Groups

None.

3.9.4.63.7 Attribute Groups

None.

3.9.4.64 SetResultFallback

The **SetResultFallback** operation sets a result fallback for a managed property. This method is applicable only if the value of the **SummaryType** that belongs to the managed property is "Dynamic". This operation is asynchronous. This operation MUST update the `fsearch.addon` ([\[MS-FSSCFG\]](#) section 2.7) and all `result.template` configuration files which are in use ([\[MS-FSQRCFG\]](#) section 2.7).

```
<wsdl:operation name="SetResultFallback">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    SetResultFallback" message="tns:SchemaService_SetResultFallback_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ SchemaService/
    SetResultFallbackResponse" message="tns:SchemaService_SetResultFallback_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    SetResultFallbackAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_SetResultFallback_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_SetResultFallback_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_SetResultFallback_OutputMessage** response message.

3.9.4.64.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.64.1.1 SchemaService_SetResultFallback_InputMessage

The **SchemaService_SetResultFallback_InputMessage** request message initiates the operation to set a result fallback for the managed property.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ SetResultFallback
```

The SOAP body MUST contain a **SetResultFallback** element.

3.9.4.64.1.2 SchemaService_SetResultFallback_OutputMessage

The **SchemaService_SetResultFallback_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_SetResultFallback_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetResultFallbackResponse
```

The SOAP body MUST contain a **SetResultFallbackResponse** element.

3.9.4.64.1.3

SchemaService_SetResultFallback_AdminExceptionWCFFault_FaultMessage

The **SchemaService_SetResultFallback_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_SetResultFallback_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetResultFallbackAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.64.2 Elements

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

3.9.4.64.2.1 SetResultFallback

The **SetResultFallback** element contains input data for a **SetResultFallback** operation.

```
<xsd:element name="SetResultFallback">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ManagedPropertyId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="ResultFallBackName" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ManagedPropertyId: The managed property for which to set result fallback.

ResultFallBackName: The name of the result fallback. This value MUST be the name of an existing managed property.

3.9.4.64.2.2 SetResultFallbackResponse

The **SetResultFallbackResponse** element contains result data for a **SetResultFallback** operation.

```
<xsd:element name="SetResultFallbackResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.9.4.64.3 Complex Types

None.

3.9.4.64.4 Simple Types

None.

3.9.4.64.5 Attributes

None.

3.9.4.64.6 Groups

None.

3.9.4.64.7 Attribute Groups

None.

3.9.4.65 UpdateCategory

The **UpdateCategory** operation updates settings for the current crawled property category. The changes take effect after new content is processed. This operation **MUST** update the PropertyCategories.xml file, see [\[MS-FSPSCFG\]](#) section 2.3. If any of the crawled properties associated with this category has the IsMappedToContents value set to a different value than the updated category's MapToContents value, then the PropertyCategories.xml configuration file **MUST** also be updated.

```
<wsdl:operation name="UpdateCategory">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateCategory" message="tns:SchemaService_UpdateCategory_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ SchemaService/
    UpdateCategoryResponse" message="tns:SchemaService_UpdateCategory_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateCategoryAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_UpdateCategory_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_UpdateCategory_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_UpdateCategory_OutputMessage** response message.

3.9.4.65.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.65.1.1 SchemaService_UpdateCategory_InputMessage

The **SchemaService_UpdateCategory_InputMessage** request message initiates the operation to update settings for the current crawled property category.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateCategory
```

The SOAP body MUST contain a **UpdateCategory** element.

3.9.4.65.1.2 SchemaService_UpdateCategory_OutputMessage

The **SchemaService_UpdateCategory_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateCategory_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
UpdateCategoryResponse
```

The SOAP body MUST contain an **UpdateCategoryResponse** element.

3.9.4.65.1.3

SchemaService_UpdateCategory_AdminExceptionWCFFault_FaultMessage

The **SchemaService_UpdateCategory_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateCategory_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
UpdateCategoryAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.65.2 Elements

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

3.9.4.65.2.1 UpdateCategory

The **UpdateCategory** element contains input data for an **UpdateCategory** operation.

```

<xsd:element name="UpdateCategory">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="category" type="tns:CategoryDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

category: A **CategoryDTO** that contains the elements to update.

3.9.4.65.2.2 UpdateCategoryResponse

The **UpdateCategoryResponse** element contains result data for an **UpdateCategory** operation.

```

<xsd:element name="UpdateCategoryResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>

```

The element is empty.

3.9.4.65.3 Complex Types

None.

3.9.4.65.4 Simple Types

None.

3.9.4.65.5 Attributes

None.

3.9.4.65.6 Groups

None.

3.9.4.65.7 Attribute Groups

None.

3.9.4.66 UpdateCrawledProperty

The **UpdateCrawledProperty** operation updates a crawled property. If the crawled property has been mapped into a managed property, then the ManagedProperties.xml configuration file MUST be updated (see [\[MS-FSPSCFG\]](#) section 2.2). If the crawled property's **IsMappedToContents** value has a different value than the **MapToContents** value of the crawled property category it is associated with, then that crawled property MUST be added to the indexed-properties element of the PropertyCategories.xml (see [\[MS-FSPSCFG\]](#) section 2.3).

```

<wsdl:operation name="UpdateCrawledProperty">

```

```

    <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
UpdateCrawledProperty" message="tns:SchemaService_UpdateCrawledProperty_InputMessage"/>
    <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
UpdateCrawledPropertyResponse"
message="tns:SchemaService_UpdateCrawledProperty_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
UpdateCrawledPropertyAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_UpdateCrawledProperty_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_UpdateCrawledProperty_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_UpdateCrawledProperty_OutputMessage** response message.

3.9.4.66.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.66.1.1 SchemaService_UpdateCrawledProperty_InputMessage

The **SchemaService_UpdateCrawledProperty_InputMessage** request message initiates the operation to update a crawled property.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateCrawledProperty

```

The SOAP body MUST contain an **UpdateCrawledProperty** element.

3.9.4.66.1.2 SchemaService_UpdateCrawledProperty_OutputMessage

The **SchemaService_UpdateCrawledProperty_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateCrawledProperty_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
UpdateCrawledPropertyResponse

```

The SOAP body MUST contain an **UpdateCrawledPropertyResponse** element.

3.9.4.66.1.3

SchemaService_UpdateCrawledProperty_AdminExceptionWCFFault_FaultMessage

The **SchemaService_UpdateCrawledProperty_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateCrawledProperty_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
UpdateCrawledPropertyAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.66.2 Elements

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

3.9.4.66.2.1 UpdateCrawledProperty

The **UpdateCrawledProperty** element contains input data for an **UpdateCrawledProperty** operation.

```
<xsd:element name="UpdateCrawledProperty">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="crawledProperty" type="tns:CrawledPropertyDTO"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

crawledProperty: A **CrawledPropertyDTO** that contains the elements with which to update the crawled property.

3.9.4.66.2.2 UpdateCrawledPropertyResponse

The **UpdateCrawledPropertyResponse** element contains output data from an **UpdateCrawledProperty** operation.

```
<xsd:element name="UpdateCrawledPropertyResponse">  
  <xsd:complexType>  
    <xsd:sequence/>  
  </xsd:complexType>  
</xsd:element>
```

The element is empty.

3.9.4.66.3 Complex Types

None.

3.9.4.66.4 Simple Types

None.

3.9.4.66.5 Attributes

None.

3.9.4.66.6 Groups

None.

3.9.4.66.7 Attribute Groups

None.

3.9.4.67 UpdateFullTextIndex

The **UpdateFullTextIndex** operation updates a full-text index field asynchronously. This protocol server does not offer any operations that can be used to discover when this operation is finished.

If the update changes the stemming setting on the full-text index field, then the content **MUST** be reprocessed from the content source (see [\[MS-FSQ\]](#) section 2.1.1.4).

This operation **MUST** update the rank.cf, index.cf, indexConfig.xml and FieldProperties.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```
<wsdl:operation name="UpdateFullTextIndex">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateFullTextIndex" message="tns:SchemaService_UpdateFullTextIndex_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateFullTextIndexResponse" message="tns:SchemaService_UpdateFullTextIndex_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateFullTextIndexAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_UpdateFullTextIndex_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client **MUST** send a **SchemaService_UpdateFullTextIndex_InputMessage** request message. When the operation finishes successfully, the schema server **MUST** respond with a **SchemaService_UpdateFullTextIndex_OutputMessage** response message.

3.9.4.67.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.67.1.1 SchemaService_UpdateFullTextIndex_InputMessage

The **SchemaService_UpdateFullTextIndex_InputMessage** request message initiates the operation to update a full-text index field asynchronously.

The SOAP action value of the message **MUST** be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateFullTextIndex
```

The SOAP body **MUST** contain an **UpdateFullTextIndex** element.

3.9.4.67.1.2 SchemaService_UpdateFullTextIndex_OutputMessage

The **SchemaService_UpdateFullTextIndex_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateFullTextIndex_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
UpdateFullTextIndexResponse
```

The SOAP body MUST contain an **UpdateFullTextIndexResponse** element.

3.9.4.67.1.3

SchemaService_UpdateFullTextIndex_AdminExceptionWCFFault_FaultMessage

The **SchemaService_UpdateFullTextIndex_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateFullTextIndex_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
UpdateFullTextIndexAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.67.2 Elements

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

3.9.4.67.2.1 UpdateFullTextIndex

The **UpdateFullTextIndex** element contains input data for an **UpdateFullTextIndex** operation.

```
<xsd:element name="UpdateFullTextIndex">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="fullTextIndex" type="tns:FullTextIndexDTO"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

fullTextIndex: A **FullTextIndexDTO** containing the elements that are used to update the full-text index field.

3.9.4.67.2.2 UpdateFullTextIndexResponse

The **UpdateFullTextIndexResponse** element contains output data from an **UpdateFullTextIndex** operation.

```
<xsd:element name="UpdateFullTextIndexResponse">
```

```

<xsd:complexType>
  <xsd:sequence/>
</xsd:complexType>
</xsd:element>

```

The element is empty.

3.9.4.67.3 Complex Types

None.

3.9.4.67.4 Simple Types

None.

3.9.4.67.5 Attributes

None.

3.9.4.67.6 Groups

None.

3.9.4.67.7 Attribute Groups

None.

3.9.4.68 UpdateFullTextIndexRankComponent

The **UpdateFullTextIndexRankComponent** operation updates the full-text index field rank component. This operation MUST update the rank.cf and indexConfig.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```

<wsdl:operation name="UpdateFullTextIndexRankComponent">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateFullTextIndexRankComponent"
    message="tns:SchemaService_UpdateFullTextIndexRankComponent_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateFullTextIndexRankComponentResponse"
    message="tns:SchemaService_UpdateFullTextIndexRankComponent_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateFullTextIndexRankComponentAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_UpdateFullTextIndexRankComponent_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a

SchemaService_UpdateFullTextIndexRankComponent_InputMessage request message.

When the operation finishes successfully, the schema server MUST respond with a

SchemaService_UpdateFullTextIndexRankComponent_OutputMessage response message.

3.9.4.68.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.68.1.1 SchemaService_UpdateFullTextIndexRankComponent_InputMessage

The **SchemaService_UpdateFullTextIndexRankComponent_InputMessage** request message initiates the operation to update the full-text index field rank component.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
UpdateFullTextIndexRankComponent
```

The SOAP body MUST contain an **UpdateFullTextIndexRankComponent** element.

3.9.4.68.1.2

SchemaService_UpdateFullTextIndexRankComponent_OutputMessage

The **SchemaService_UpdateFullTextIndexRankComponent_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateFullTextIndexRankComponent_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
UpdateFullTextIndexRankComponentResponse
```

The SOAP body MUST contain an **UpdateFullTextIndexRankComponentResponse** element.

3.9.4.68.1.3

SchemaService_UpdateFullTextIndexRankComponent_AdminExceptionWCFFault_FaultMessage

The **SchemaService_UpdateFullTextIndexRankComponent_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateFullTextIndexRankComponent_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
UpdateFullTextIndexRankComponentAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.68.2 Elements

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

3.9.4.68.2.1 UpdateFullTextIndexRankComponent

The **UpdateFullTextIndexRankComponent** element contains input data for an **UpdateFullTextIndexRankComponent** operation.

```
<xsd:element name="UpdateFullTextIndexRankComponent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="dto" type="tns:FullTextIndexRankComponentDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

RankProfileId: The rank profile to update.

dto: A **FullTextIndexRankComponentDTO** containing the elements that are used to update the full-text index field rank component.

3.9.4.68.2.2 UpdateFullTextIndexRankComponentResponse

The **UpdateFullTextIndexRankComponentResponse** element contains output data from an **UpdateFullTextIndexRankComponent** operation.

```
<xsd:element name="UpdateFullTextIndexRankComponentResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```

The element is empty.

3.9.4.68.3 Complex Types

None.

3.9.4.68.4 Simple Types

None.

3.9.4.68.5 Attributes

None.

3.9.4.68.6 Groups

None.

3.9.4.68.7 Attribute Groups

None.

3.9.4.69 UpdateManagedProperty

The **UpdateManagedProperty** operation updates a managed property asynchronously. This operation requires the content source to be reprocessed by the item processing service for changes to take full effect (see [\[MS-FSO\]](#) section 2.1.1.4).

This operation MUST update the fixml_mappings.xml, index.cf, indexConfig.xml, FieldProperties.xml, summary.cf, summaryclasses.xml, resultspace.xml (see [\[MS-FSSCFG\]](#) section 2) and all result.templ files (see [\[MS-FSQRCFG\]](#) section 2.7). If the sorting setting on the managed property is changed, then the fieldspec.xml file MUST also be updated (see [\[MS-FSSCFG\]](#) section 3.2). If the summary type is changed to or from dynamic, then fsearch.addon and summary.map MUST also be updated (see [\[MS-FSSCFG\]](#) section 2). If the managed property is a integer, float, decimal or datetime, then the maptransform.xml file MUST also be updated (see [\[MS-FSSCFG\]](#) section 2.2).

```
<wsdl:operation name="UpdateManagedProperty">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateManagedProperty" message="tns:SchemaService_UpdateManagedProperty_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateManagedPropertyResponse"
    message="tns:SchemaService_UpdateManagedProperty_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateManagedPropertyAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_UpdateManagedProperty_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_UpdateManagedProperty_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_UpdateManagedProperty_OutputMessage** response message.

3.9.4.69.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.69.1.1 SchemaService_UpdateManagedProperty_InputMessage

The **SchemaService_UpdateManagedProperty_InputMessage** request message initiates the operation to update a managed property asynchronously.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
UpdateManagedProperty
```

The SOAP body MUST contain an **UpdateManagedProperty** element.

3.9.4.69.1.2 SchemaService_UpdateManagedProperty_OutputMessage

The **SchemaService_UpdateManagedProperty_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateManagedProperty_InputMessage** message.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
UpdateManagedPropertyResponse

The SOAP body MUST contain a **UpdateManagedPropertyResponse** element.

3.9.4.69.1.3

SchemaService_UpdateManagedProperty_AdminExceptionWCFFault_FaultMessage

The **SchemaService_UpdateManagedProperty_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateManagedProperty_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
UpdateManagedPropertyAdminExceptionWCFFault

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.69.2 Elements

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

3.9.4.69.2.1 UpdateManagedProperty

The **UpdateManagedProperty** element contains input data for an **UpdateManagedProperty** operation.

```
<xsd:element name="UpdateManagedProperty">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="managedProperty" type="tns:ManagedPropertyDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

managedProperty: A **ManagedPropertyDTO** containing the elements that are used to update the managed property.

3.9.4.69.2.2 UpdateManagedPropertyResponse

The **UpdateManagedPropertyResponse** element contains output data from an **UpdateManagedProperty** operation.

```
<xsd:element name="UpdateManagedPropertyResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>
```


The element is empty.

3.9.4.69.3 Complex Types

None.

3.9.4.69.4 Simple Types

None.

3.9.4.69.5 Attributes

None.

3.9.4.69.6 Groups

None.

3.9.4.69.7 Attribute Groups

None.

3.9.4.70 UpdateManagedPropertyBoostComponent

The **UpdateManagedPropertyBoostComponent** operation updates a keyword rank component. This operation is asynchronous. This operation MUST update the ManagedPropertyBoosts.xml configuration file (see [\[MS-FSSCFG\]](#) section 2).

```
<wsdl:operation name="UpdateManagedPropertyBoostComponent">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateManagedPropertyBoostComponent"
    message="tns:SchemaService_UpdateManagedPropertyBoostComponent_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateManagedPropertyBoostComponentResponse"
    message="tns:SchemaService_UpdateManagedPropertyBoostComponent_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateManagedPropertyBoostComponentAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_UpdateManagedPropertyBoostComponent_AdminExceptionWCFFault_FaultMe
    ssage"/>
</wsdl:operation>
```

The protocol client MUST send a

SchemaService_UpdateManagedPropertyBoostComponent_InputMessage request message.

When the operation finishes successfully, the schema server MUST respond with a

SchemaService_UpdateManagedPropertyBoostComponent_OutputMessage response message.

3.9.4.70.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.70.1.1

SchemaService_UpdateManagedPropertyBoostComponent_InputMessage

The **SchemaService_UpdateManagedPropertyBoostComponent_InputMessage** request message initiates the operation to update a keyword rank component.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
UpdateManagedPropertyBoostComponent
```

The SOAP body MUST contain an **UpdateManagedPropertyBoostComponent** element.

3.9.4.70.1.2

SchemaService_UpdateManagedPropertyBoostComponent_OutputMessage

The **SchemaService_UpdateManagedPropertyBoostComponent_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateManagedPropertyBoostComponent_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
UpdateManagedPropertyBoostComponentResponse
```

The SOAP body MUST contain an **UpdateManagedPropertyBoostComponentResponse** element.

3.9.4.70.1.3

SchemaService_UpdateManagedPropertyBoostComponent_AdminExceptionWCFFault_FaultMessage

The **SchemaService_UpdateManagedPropertyBoostComponent_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateManagedPropertyBoostComponent_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
UpdateManagedPropertyBoostComponentAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.70.2 Elements

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

3.9.4.70.2.1 UpdateManagedPropertyBoostComponent

The **UpdateManagedPropertyBoostComponent** element contains input data for an **UpdateManagedPropertyBoostComponent** operation.

```

<xsd:element name="UpdateManagedPropertyBoostComponent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>
      <xsd:element minOccurs="0" name="dto" type="tns:ManagedPropertyBoostComponentDTO"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

RankProfileId: The identifier of the rank profile that contains the keyword rank component.

dto: A **ManagedPropertyBoostComponentDTO** containing the elements that are used to update the keyword rank component.

3.9.4.70.2.2 UpdateManagedPropertyBoostComponentResponse

The **UpdateManagedPropertyBoostComponentResponse** element contains output data from an **UpdateManagedPropertyBoostComponent** operation.

```

<xsd:element name="UpdateManagedPropertyBoostComponentResponse">
  <xsd:complexType>
    <xsd:sequence/>
  </xsd:complexType>
</xsd:element>

```

The element is empty.

3.9.4.70.3 Complex Types

None.

3.9.4.70.4 Simple Types

None.

3.9.4.70.5 Attributes

None.

3.9.4.70.6 Groups

None.

3.9.4.70.7 Attribute Groups

None.

3.9.4.71 UpdateQualityComponent

The **UpdateQualityComponent** operation updates a quality rank component. This operation is asynchronous, and there is no operation to verify whether it has finished. This operation **MUST** update the rank.cf and indexConfig.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```

<wsdl:operation name="UpdateQualityComponent">
  <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
UpdateQualityComponent" message="tns:SchemaService_UpdateQualityComponent_InputMessage"/>
  <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
UpdateQualityComponentResponse"
message="tns:SchemaService_UpdateQualityComponent_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
UpdateQualityComponentAdminExceptionWCFFault" name="AdminExceptionWCFFault"
message="tns:SchemaService_UpdateQualityComponent_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **SchemaService_UpdateQualityComponent_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_UpdateQualityComponent_OutputMessage** response message.

3.9.4.71.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.71.1.1 SchemaService_UpdateQualityComponent_InputMessage

The **SchemaService_UpdateQualityComponent_InputMessage** request message initiates the operation to update a quality rank component.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
UpdateQualityComponent

```

The SOAP body MUST contain a **UpdateQualityComponent** element.

3.9.4.71.1.2 SchemaService_UpdateQualityComponent_OutputMessage

The **SchemaService_UpdateQualityComponent_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateQualityComponent_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```

http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
UpdateQualityComponentResponse

```

The SOAP body MUST contain an **UpdateQualityComponentResponse** element.

3.9.4.71.1.3

SchemaService_UpdateQualityComponent_AdminExceptionWCFFault_FaultMessage

The **SchemaService_UpdateQualityComponent_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the

SchemaService_UpdateQualityComponent_InputMessage message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/  
UpdateQualityComponentAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.71.2 Elements

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

3.9.4.71.2.1 UpdateQualityComponent

The **UpdateQualityComponent** element contains input data for an **UpdateQualityComponent** operation.

```
<xsd:element name="UpdateQualityComponent">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long"/>  
      <xsd:element minOccurs="0" name="dto" type="tns:QualityComponentDTO"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

RankProfileId: The identifier of the rank profile to update.

dto: A **QualityComponentDTO** that contains the elements to update.

3.9.4.71.2.2 UpdateQualityComponentResponse

The **UpdateQualityComponentResponse** element contains output data from an **UpdateQualityComponent** operation.

```
<xsd:element name="UpdateQualityComponentResponse">  
  <xsd:complexType>  
    <xsd:sequence/>  
  </xsd:complexType>  
</xsd:element>
```

The element is empty.

3.9.4.71.3 Complex Types

None.

3.9.4.71.4 Simple Types

None.

3.9.4.71.5 Attributes

None.

3.9.4.71.6 Groups

None.

3.9.4.71.7 Attribute Groups

None.

3.9.4.72 UpdateRankProfile

The **UpdateRankProfile** operation updates a rank profile. This operation is asynchronous. This operation MUST update the rank.cf, rankspace.xml and indexConfig.xml configuration files (see [\[MS-FSSCFG\]](#) section 2).

```
<wsdl:operation name="UpdateRankProfile">
  <wsdl:input
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateRankProfile" message="tns:SchemaService_UpdateRankProfile_InputMessage"/>
  <wsdl:output
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateRankProfileResponse" message="tns:SchemaService_UpdateRankProfile_OutputMessage"/>
  <wsdl:fault
    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/
    UpdateRankProfileAdminExceptionWCFFault" name="AdminExceptionWCFFault"
    message="tns:SchemaService_UpdateRankProfile_AdminExceptionWCFFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **SchemaService_UpdateRankProfile_InputMessage** request message. When the operation finishes successfully, the schema server MUST respond with a **SchemaService_UpdateRankProfile_OutputMessage** response message.

3.9.4.72.1 Messages

The following WSDL message definitions are specific to this operation.

3.9.4.72.1.1 SchemaService_UpdateRankProfile_InputMessage

The **SchemaService_UpdateRankProfile_InputMessage** request message initiates the operation to update a rank profile.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateRankProfile
```

The SOAP body MUST contain an **UpdateRankProfile** element.

3.9.4.72.1.2 SchemaService_UpdateRankProfile_OutputMessage

The **SchemaService_UpdateRankProfile_OutputMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateRankProfile_InputMessage** message.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.sSharePoint.Search.Extended.Administration/SchemaService/  
UpdateRankProfileResponse
```

The SOAP body MUST contain an **UpdateRankProfileResponse** element.

3.9.4.72.1.3

SchemaService_UpdateRankProfile_AdminExceptionWCFFault_FaultMessage

The **SchemaService_UpdateRankProfile_AdminExceptionWCFFault_FaultMessage** response message is sent in reply to the request that is initiated by the **SchemaService_UpdateRankProfile_InputMessage** message. The schema server MUST return this response message when an error occurs.

The SOAP action value of the message MUST be as follows.

```
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateRankProfileAdminExceptionWCFFault
```

The SOAP body MUST contain an **AdminExceptionWCF** element.

3.9.4.72.2 Elements

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

3.9.4.72.2.1 UpdateRankProfile

The **UpdateRankProfile** element contains input data for an **UpdateRankProfile** operation.

```
<xsd:element name="UpdateRankProfile">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element minOccurs="0" name="dto" type="tns:RankProfileDTO"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

dto: A **RankProfileDTO** containing the elements that are used to update the rank profile.

3.9.4.72.2.2 UpdateRankProfileResponse

The **UpdateRankProfileResponse** element contains output data from an **UpdateRankProfile** operation.

```
<xsd:element name="UpdateRankProfileResponse">  
  <xsd:complexType>
```

```
<xsd:sequence/>  
</xsd:complexType>  
</xsd:element>
```

The element is empty.

3.9.4.72.3 Complex Types

None.

3.9.4.72.4 Simple Types

None.

3.9.4.72.5 Attributes

None.

3.9.4.72.6 Groups

None.

3.9.4.72.7 Attribute Groups

None.

3.9.5 Timer Events

None.

3.9.6 Other Local Events

None.

4 Protocol Examples

As described in section 1.4, this protocol uses SOAP message security. However, for clarity, all SOAP requests and responses in this section are shown in clear-text, without SOAP message security.

4.1 Add Spell-Check Exclusion

Several of the **WSDL port types** that were described in section 3 MUST be used to update, distribute, and activate spell-check exclusions in addition to property extraction exclusions and inclusions. This example outlines a common sequence of operations on the different port types.

This section contains two sequence diagrams. The first diagram shows how a protocol client can use the **SpellCheckerService** to add a spell-check exclusion. The second sequence diagram shows how a protocol client can use the **PersistedDictionaryService**, **LinguisticManagerService**, **CompiledDictionaryService**, and the **DeploymentService** to distribute and activate spell-check exclusions as well as property extraction exclusions and inclusions.

The following figure shows how the protocol client uses the **SpellCheckerService** to add a spell-check exclusion. The **SpellCheckerService** internally uses the **PersistedDictionaryService** to persist the changes.

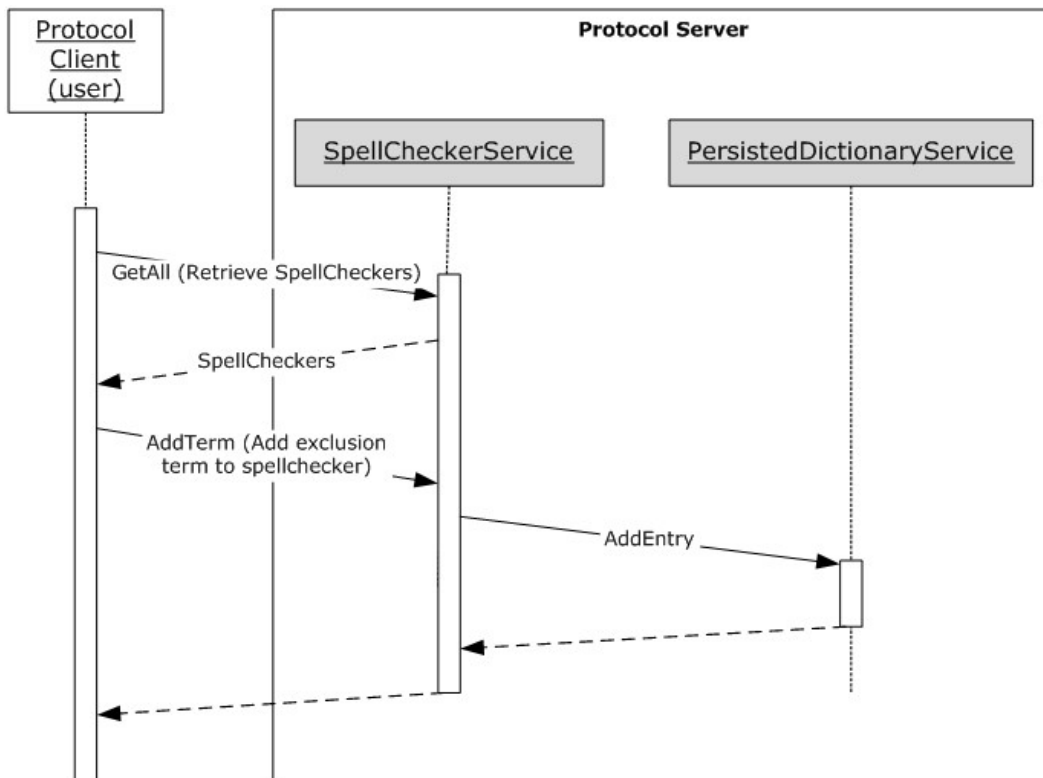


Figure 5: Sequence diagram showing how to add a spell-check exclusion

The following figure shows a typical sequence of operations that is used to distribute and activate spell-check exclusions as well as property extraction exclusions and inclusions. In the figure, the protocol client is typically an automatic job that runs regularly. The protocol client first uses the **PersistedDictionaryService** to retrieve all persisted dictionaries. The protocol client then loops

through the persisted dictionaries, checking the "dirty" value and the persisted dictionary type. Only persisted dictionaries with the following characteristics are converted into an XML dictionary file representation:

- Persisted dictionaries whose "dirty" value is set to **true** to indicate a change
- Persisted dictionaries of types SPELLCHECKING or ENTITYEXTRACTION

The CompiledDictionaryService server uses Resource Store Protocol, as described in [\[MS-FSRS\]](#), to upload the compiled XML dictionary file to the central location.

Finally, depending on whether **persisted dictionaries** of type SPELLCHECKING or ENTITYEXTRACTION were changed, the protocol client calls **Deploy** to force search system components to download XML dictionary files by using Resource Store Protocol, as described in [\[MS-FSRS\]](#), and to activate the dictionaries that are specified by the XML dictionary files. To perform this operation, the protocol server uses Query and Result Configuration Protocol as described in [\[MS-FSQRC\]](#), and Configuration Middleware Protocol as described in [\[MS-FSCMW\]](#).

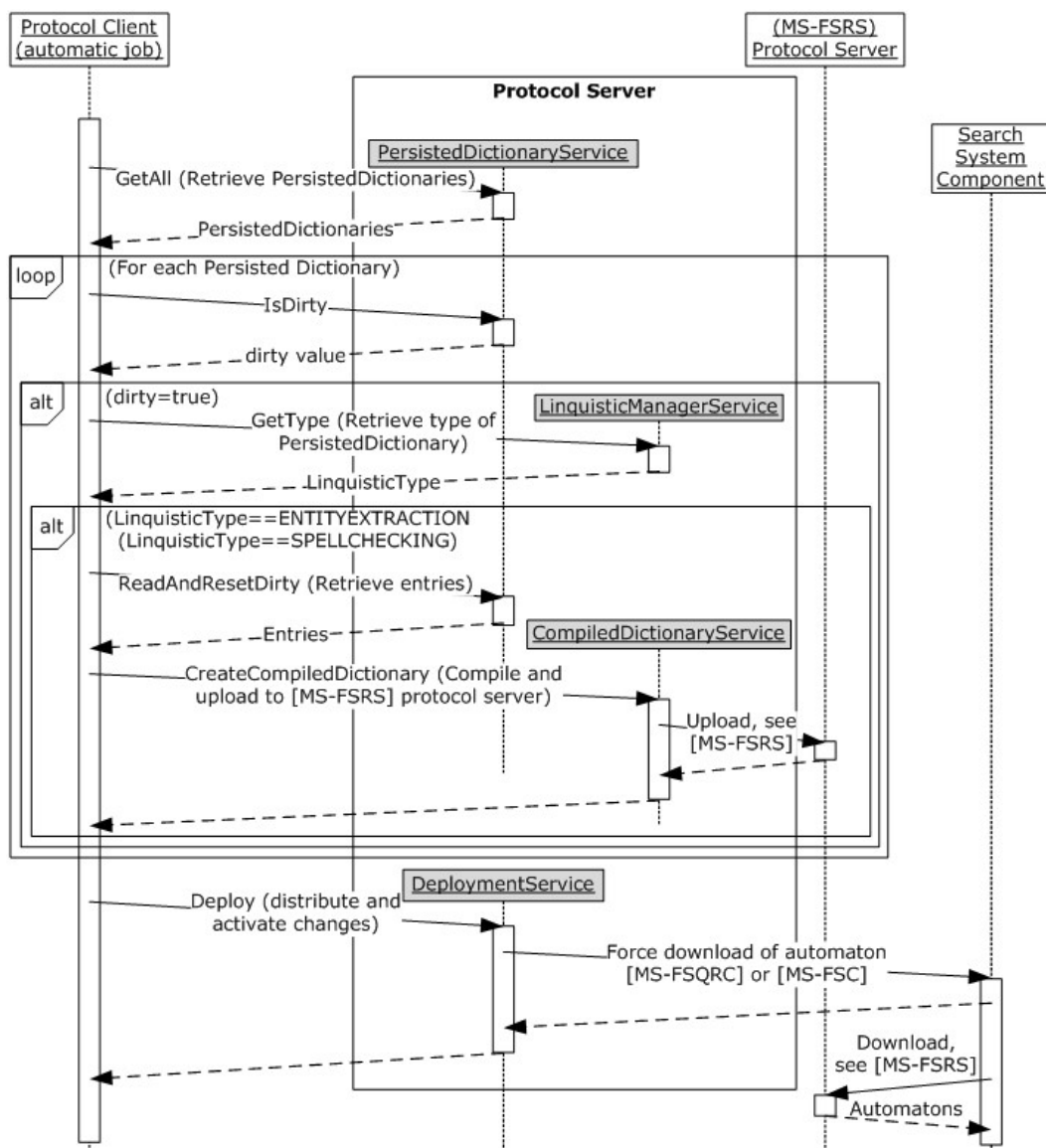


Figure 6: Sequence diagram showing how to distribute and activate spell-check exclusions or property extraction exclusions and inclusions

The following example demonstrates the two first protocol client requests and the protocol server responses from the preceding figure.

4.1.1 GetAll

The protocol client sends the following **GetAll** request to retrieve all persisted dictionaries:

```
<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
```

```

    <a:Action
s:mustUnderstand="1">http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDict
ionaryService/GetAll</a:Action>
    <a:MessageID>urn:uuid:aeaa37tba-6774-4171-a759-1c8ed3db8c9d</a:MessageID>
    <a:ReplyTo>
    <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
  </s:Header>
  <s:Body>
    <GetAll xmlns="http://Microsoft.SharePoint.Search.Extended.Administration" />
  </s:Body>
</s:Envelope>

```

The protocol server responds as follows:

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDict
ionaryService/GetAllResponse</a:Action>
    <a:RelatesTo>urn:uuid:effcb86f-e823-4a62-8407-64cd33f546fb</a:RelatesTo>
    <a:To s:mustUnderstand="1">http://www.w3.org/2005/08/addressing/anonymous</a:To>
  </s:Header>
  <s:Body>
    <GetAllResponse xmlns="http://Microsoft.SharePoint.Search.Extended.Administration">
      <GetAllResult xmlns:b="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <b:string>companies_exclusion_any</b:string>
        <b:string>companies_inclusion_any</b:string>
        <b:string>locations_exclusion_any</b:string>
        <b:string>locations_inclusion_any</b:string>
        <b:string>personnames_exclusion_any</b:string>
        <b:string>personnames_inclusion_any</b:string>
        <b:string>spellcheck_exclusion_any</b:string>
        <b:string>spellcheck_exclusion_ar</b:string>
        <b:string>spellcheck_exclusion_cs</b:string>
        <b:string>spellcheck_exclusion_da</b:string>
        <b:string>spellcheck_exclusion_de</b:string>
        <b:string>spellcheck_exclusion_el</b:string>
        <b:string>spellcheck_exclusion_en</b:string>
        <b:string>spellcheck_exclusion_es</b:string>
        <b:string>spellcheck_exclusion_et</b:string>
        <b:string>spellcheck_exclusion_fi</b:string>
        <b:string>spellcheck_exclusion_fr</b:string>
        <b:string>spellcheck_exclusion_he</b:string>
        <b:string>spellcheck_exclusion_hi</b:string>
        <b:string>spellcheck_exclusion_hu</b:string>
        <b:string>spellcheck_exclusion_id</b:string>
        <b:string>spellcheck_exclusion_is</b:string>
        <b:string>spellcheck_exclusion_it</b:string>
        <b:string>spellcheck_exclusion_ko</b:string>
        <b:string>spellcheck_exclusion_lt</b:string>
        <b:string>spellcheck_exclusion_lv</b:string>
        <b:string>spellcheck_exclusion_ms</b:string>
        <b:string>spellcheck_exclusion_nb</b:string>
        <b:string>spellcheck_exclusion_nl</b:string>
        <b:string>spellcheck_exclusion_nn</b:string>
      </GetAllResult>
    </GetAllResponse>
  </s:Body>
</s:Envelope>

```

```

        <b:string>spellcheck_exclusion_pl</b:string>
        <b:string>spellcheck_exclusion_pt</b:string>
        <b:string>spellcheck_exclusion_ro</b:string>
        <b:string>spellcheck_exclusion_ru</b:string>
        <b:string>spellcheck_exclusion_sc</b:string>
        <b:string>spellcheck_exclusion_sk</b:string>
        <b:string>spellcheck_exclusion_sl</b:string>
        <b:string>spellcheck_exclusion_sr</b:string>
        <b:string>spellcheck_exclusion_sv</b:string>
        <b:string>spellcheck_exclusion_tr</b:string>
        <b:string>spellcheck_exclusion_uk</b:string>
        <b:string>spellcheck_exclusion_ur</b:string>
    </GetAllResult>
</GetAllResponse>
</s:Body>
</s:Envelope>

```

4.1.2 IsDirty

The protocol client sends the following **IsDirty** request to check whether a persisted dictionary was updated.

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action
      s:mustUnderstand="1">http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/IsDirty</a:Action>
    <a:MessageID>urn:uuid:2f27e00a-80e3-4f54-bee6-be28f120402d</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
  </s:Header>
  <s:Body>
    <IsDirty xmlns="http://Microsoft.SharePoint.Search.Extended.Administration">
      <name>spellcheck_exclusion_any</name>
    </IsDirty>
  </s:Body>
</s:Envelope>

```

The protocol server responds as follows:

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action
      s:mustUnderstand="1">http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/IsDirtyResponse</a:Action>
    <a:RelatesTo>urn:uuid:e3b304ab-bad5-4d03-8a92-3a3c79e54029</a:RelatesTo>
    <a:To s:mustUnderstand="1">http://www.w3.org/2005/08/addressing/anonymous</a:To>
  </s:Header>
  <s:Body>
    <IsDirtyResponse xmlns="http://Microsoft.SharePoint.Search.Extended.Administration">
      <IsDirtyResult>false</IsDirtyResult>
    </IsDirtyResponse>
  </s:Body>
</s:Envelope>

```

```
</s:Envelope>
```

4.2 Addition of Keyword-Related Items

The following diagram shows the sequence of events that is required to:

- Create a new search setting group.
- Create a keyword in the search setting group.
- Add a synonym to the keyword.

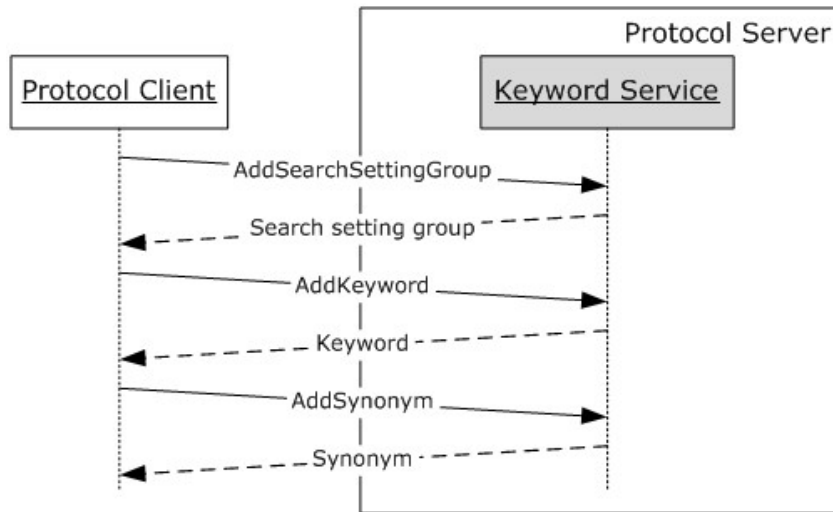


Figure 7: Sequence diagram showing how to add a search setting group, keyword, and synonym

4.2.1 AddSearchSettingGroup

The protocol client sends the following **AddSearchSettingGroup** request to create a search setting group.

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSettingGroup</a:Action>
    <a:MessageID>urn:uuid:84f9d69c-e7e5-424e-8d43-cbf8c211ddfc</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
  </s:Header>
  <s:Body>
    <AddSearchSettingGroup
xmlns="http://Microsoft.SharePoint.Search.Extended.Administration">
      <groupName>my test group</groupName>
      <description i:nil="true" xmlns:i="http://www.w3.org/2001/XMLSchema-instance" />
    </AddSearchSettingGroup>
  </s:Body>
</s:Envelope>

```

```

    </s:Body>
</s:Envelope>

```

The protocol server responds as follows:

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSettingGroupResponse</a:Action>
    <a:RelatesTo>urn:uuid:a5399833-0cb8-48a7-bda6-1b55cbcefb2b</a:RelatesTo>
    <a:To s:mustUnderstand="1">http://www.w3.org/2005/08/addressing/anonymous</a:To>
  </s:Header>
  <s:Body>
    <AddSearchSettingGroupResponse
xmlns="http://Microsoft.SharePoint.Search.Extended.Administration">
      <AddSearchSettingGroupResult xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Description i:nil="true">
        </Description>
        <Id>2</Id>
        <LastChanged>2009-07-14T11:10:57.887</LastChanged>
        <Name>my test group</Name>
      </AddSearchSettingGroupResult>
    </AddSearchSettingGroupResponse>
  </s:Body>
</s:Envelope>

```

4.2.2 AddKeyword

The protocol client sends the following **AddKeyword** request to add a keyword.

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKeyword</a:Action>
    <a:MessageID>urn:uuid:37055a05-a855-447a-90a5-5c6ec5fb963f</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
  </s:Header>
  <s:Body>
    <AddKeyword xmlns="http://Microsoft.SharePoint.Search.Extended.Administration">
      <keyword xmlns:i="http://www.w3.org/2001/XMLSchema-instance" z:Id="i1"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/">
        <Description i:nil="true" />
        <Group>
          <Description i:nil="true" />
          <Id>2</Id>
          <LastChanged>2009-07-14T13:03:00</LastChanged>
          <Name>my test group</Name>
        </Group>
        <Id>0</Id>
        <LastChanged>2009-07-14T13:02:00</LastChanged>
        <Name>testkeyword</Name>
      </keyword>
    </AddKeyword>
  </s:Body>
</s:Envelope>

```

```

        <SearchSettings />
    </keyword>
</AddKeyword>
</s:Body>
</s:Envelope>

```

The protocol server responds as follows:

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKeywordResponse</a:Action>
    <a:RelatesTo>urn:uuid:c286fb17-c5d0-410f-8a59-fa70988e4d66</a:RelatesTo>
    <a:To s:mustUnderstand="1">http://www.w3.org/2005/08/addressing/anonymous</a:To>
  </s:Header>
  <s:Body>
    <AddKeywordResponse xmlns="http://Microsoft.SharePoint.Search.Extended.Administration">
      <AddKeywordResult z:Id="i1" xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/">
        <Description i:nil="true">
        </Description>
        <Group>
          <Description i:nil="true">
          </Description>
          <Id>2</Id>
          <LastChanged>2009-07-14T08:46:15.49</LastChanged>
          <Name>my test group</Name>
        </Group>
        <Id>35</Id>
        <LastChanged>2009-07-14T12:04:36.643</LastChanged>
        <Name>testkeyword</Name>
        <SearchSettings>
        </SearchSettings>
      </AddKeywordResult>
    </AddKeywordResponse>
  </s:Body>
</s:Envelope>

```

4.3 SchemaService Method GetQueryCrawledProperties

The protocol client sends the following **GetQueryCrawledProperties** request to retrieve all crawled properties.

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:r="http://schemas.xmlsoap.org/ws/2005/02/rm"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <r:Sequence s:mustUnderstand="1">
      <r:Identifier>urn:uuid:97700882-7efa-443c-a3d6-359d2962e1fc</r:Identifier>
      <r:MessageNumber>1</r:MessageNumber>
    </r:Sequence>
    <a:Action s:mustUnderstand="1">
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetQueryCrawledProperties
  </a:Action>
  </s:Header>
  <s:Body>
    <GetQueryCrawledPropertiesRequest />
  </s:Body>
</s:Envelope>

```



```

</a:Action>
<a:MessageID>urn:uuid:09de2b27-a28a-4cb9-91b1-e68c050f6808</a:MessageID>
<a:ReplyTo>
  <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
</a:ReplyTo>
<a:To s:mustUnderstand="1"> http://651br3j.ad.fast.no:13256/SchemaService.svc
</a:To>
</s:Header>
<s:Body>
  <GetQueryCrawledProperties
xmlns="http://Microsoft.SharePoint.Search.Extended.Administration">
  <filter>displaytitle</filter>
  <offset>0</offset>
  <count>2147483647</count>
  </GetQueryCrawledProperties>
</s:Body>
</s:Envelope>

```

The protocol server responds as follows:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:r="http://schemas.xmlsoap.org/ws/2005/02/rm"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <r:Sequence s:mustUnderstand="1">
      <r:Identifier>urn:uuid:f29bf9ff-e93a-4ff2-9c51-910db517be3e</r:Identifier>
      <r:MessageNumber>1</r:MessageNumber>
    </r:Sequence>
    <r:SequenceAcknowledgement>
      <r:Identifier>urn:uuid:08500963-a7a3-4ff2-bd95-3ccb95a8a0e2</r:Identifier>
      <r:AcknowledgementRange Lower="1" Upper="1"/>
      <netrm:BufferRemaining
xmlns:netrm="http://schemas.microsoft.com/ws/2006/05/rm">8</netrm:BufferRemaining>
    </r:SequenceAcknowledgement>
    <a:Action s:mustUnderstand="1">
http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetQueryCrawledProp
ertiesResponse
    </a:Action>
    <a:RelatesTo>urn:uuid:e5dcb6af-9ce6-467b-b9ef-8e88fb8b601d</a:RelatesTo>
  </s:Header>
  <s:Body>
    <GetQueryCrawledPropertiesResponse
xmlns="http://Microsoft.SharePoint.Search.Extended.Administration">
      <GetQueryCrawledPropertiesResult xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <CrawledPropertyDTO>
          <CategoryName>Basic</CategoryName>
          <Id>16</Id>
          <IsMappedToContents>true</IsMappedToContents>
          <IsMultiValued>false</IsMultiValued>
          <IsNameEnum>false</IsNameEnum>
          <Name>urn:schemas.microsoft.com:fulltextqueryinfo:displaytitle</Name>
          <Propset>0b63e350-9ccc-11d0-bcdb-00805fccce04</Propset>
          <VariantType>31</VariantType>
        </CrawledPropertyDTO>
      </GetQueryCrawledPropertiesResult>
    </GetQueryCrawledPropertiesResponse>
  </s:Body>

```

</s:Envelope>

5 Security

5.1 Security Considerations for Implementers

This protocol assumes that authentication was performed by the underlying protocols.

5.2 Index of Security Parameters

None.

6 Appendix A: Full WSDL

For ease of implementation, the full WSDL is provided in the following sections. Note that all operations of all services are available over both **HTTPS** as well as **HTTP**. This is reflected in two policy elements in the WSDL, *BasicHttpBinding_XXX_policy* and *BasicHttpBinding_XXXSecure_policy*. For simplicity, only the operations for the former binding is shown here. To obtain the WSDL for the secure binding, copy the entire xml fragment beginning with `<wsdl:binding>` replacing the reference to *BasicHttpBinding_XXX_policy* with a reference to *BasicHttpBinding_XXXSecure_policy* in the WSDL for the relevant service.

6.1 KeywordService Web Service WSDL

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions name="KeywordServiceImpl"
  targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
  xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
  xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
  xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
  xmlns:msa="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:tns="http://Microsoft.SharePoint.Search.Extended.Administration"
  xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
  xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/">
  <wsp:Policy wsu:Id="BasicHttpBinding_KeywordService_policy">
    <wsp:ExactlyOne>
      <wsp:All>
        <http:NtlmAuthentication/>
      </wsp:All>
    </wsp:ExactlyOne>
  </wsp:Policy>

  <wsp:Policy wsu:Id="BasicHttpBinding_KeywordServiceSecure_policy">
    <wsp:ExactlyOne>
      <wsp:All>
        <http:NtlmAuthentication/>
        <sp:TransportBinding>
          <wsp:Policy>
            <sp:TransportToken>
              <wsp:Policy>
                <sp:HttpsToken RequireClientCertificate="false"/>
              </wsp:Policy>
            </sp:TransportToken>
            <sp:AlgorithmSuite>
              <wsp:Policy>
                <sp:Basic256/>
              </wsp:Policy>
            </sp:AlgorithmSuite>
            <sp:Layout>
              <wsp:Policy>
                <sp:Strict/>
              </wsp:Policy>
            </sp:Layout>
          </wsp:Policy>
        </sp:TransportBinding>
      </wsp:All>
    </wsp:ExactlyOne>
  </wsp:Policy>

```

```

</wsp:Policy>
<wsdl:types>

  <xsd:schema elementFormDefault="qualified"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration">
    <xsd:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
    <xsd:import
      namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />

    <xsd:complexType name="PromotedExpressionDTO" mixed="true">
      <xsd:complexContent>
        <xsd:extension base="tns:PromotedItemDTO">
          <xsd:sequence />
        </xsd:extension>
      </xsd:complexContent>
    </xsd:complexType>

    <xsd:complexType name="PromotedItemDTO" mixed="true">
      <xsd:complexContent>
        <xsd:extension base="tns:CommonDTOMembers">
          <xsd:sequence>
            <xsd:element minOccurs="0" name="PromotedItemSpec"
              nillable="true" type="xsd:string" />
            <xsd:element minOccurs="0" name="PromotedItemType"
              type="tns:KeywordItemType" />
            <xsd:element minOccurs="0" name="PromotionId" type="xsd:long" />
          </xsd:sequence>
        </xsd:extension>
      </xsd:complexContent>
    </xsd:complexType>

    <xsd:complexType name="CommonDTOMembers" mixed="true">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="Description" nillable="true"
          type="xsd:string" />
        <xsd:element minOccurs="0" name="Group" nillable="true"
          type="tns:SearchSettingGroupDTO" />
        <xsd:element minOccurs="0" name="Id" type="xsd:long" />
        <xsd:element minOccurs="0" name="LastChanged" type="xsd:dateTime" />
        <xsd:element minOccurs="0" name="Name" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
      <xsd:attribute ref="ser:Id" />
      <xsd:attribute ref="ser:Ref" />
    </xsd:complexType>

    <xsd:simpleType name="KeywordItemType">
      <xsd:annotation>
        <xsd:appinfo>
          <ActualType Name="unsignedByte" Namespace="http://www.w3.org/2001/XMLSchema"
            xmlns="http://schemas.microsoft.com/2003/10/Serialization/" />
        </xsd:appinfo>
      </xsd:annotation>
      <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Synonym">
          <xsd:annotation>
            <xsd:appinfo>
              <EnumerationValue

```

```

xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
    </xsd:appinfo>
    </xsd:annotation>
</xsd:enumeration>
<xsd:enumeration value="Promotion">
    <xsd:annotation>
    <xsd:appinfo>
    <EnumerationValue

xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
    </xsd:appinfo>
    </xsd:annotation>
</xsd:enumeration>
<xsd:enumeration value="BestBet">
    <xsd:annotation>
    <xsd:appinfo>
    <EnumerationValue

xmlns="http://schemas.microsoft.com/2003/10/Serialization/">3</EnumerationValue>
    </xsd:appinfo>
    </xsd:annotation>
</xsd:enumeration>
<xsd:enumeration value="FeaturedContent">
    <xsd:annotation>
    <xsd:appinfo>
    <EnumerationValue

xmlns="http://schemas.microsoft.com/2003/10/Serialization/">4</EnumerationValue>
    </xsd:appinfo>
    </xsd:annotation>
</xsd:enumeration>
<xsd:enumeration value="SearchSettingGroup">
    <xsd:annotation>
    <xsd:appinfo>
    <EnumerationValue

xmlns="http://schemas.microsoft.com/2003/10/Serialization/">5</EnumerationValue>
    </xsd:appinfo>
    </xsd:annotation>
</xsd:enumeration>
<xsd:enumeration value="Keyword">
    <xsd:annotation>
    <xsd:appinfo>
    <EnumerationValue

xmlns="http://schemas.microsoft.com/2003/10/Serialization/">6</EnumerationValue>
    </xsd:appinfo>
    </xsd:annotation>
</xsd:enumeration>
<xsd:enumeration value="Context">
    <xsd:annotation>
    <xsd:appinfo>
    <EnumerationValue

xmlns="http://schemas.microsoft.com/2003/10/Serialization/">7</EnumerationValue>
    </xsd:appinfo>
    </xsd:annotation>
</xsd:enumeration>

```

```

        <xsd:enumeration value="PromotedDocument">
            <xsd:annotation>
                <xsd:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">8</EnumerationValue>
                </xsd:appinfo>
            </xsd:annotation>
        </xsd:enumeration>
        <xsd:enumeration value="PromotedLocation">
            <xsd:annotation>
                <xsd:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">9</EnumerationValue>
                </xsd:appinfo>
            </xsd:annotation>
        </xsd:enumeration>
        <xsd:enumeration value="PromotedExpression">
            <xsd:annotation>
                <xsd:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">10</EnumerationValue>
                </xsd:appinfo>
            </xsd:annotation>
        </xsd:enumeration>
        <xsd:enumeration value="SearchSetting">
            <xsd:annotation>
                <xsd:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">11</EnumerationValue>
                </xsd:appinfo>
            </xsd:annotation>
        </xsd:enumeration>
    </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="SynonymDTO" mixed="true">
    <xsd:complexContent>
        <xsd:extension base="tns:SearchSettingDTO">
            <xsd:sequence>
                <xsd:element minOccurs="0" name="ContextId" nillable="true"
                    type="xsd:long" />
                <xsd:element minOccurs="0" name="ExpansionType"
                    type="tns:SynonymExpansionType" />
                <xsd:element minOccurs="0" name="Term" nillable="true"
                    type="xsd:string" />
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="SearchSettingDTO" mixed="true">
    <xsd:complexContent>
        <xsd:extension base="tns:CommonDTOMembers">
            <xsd:sequence>
                <xsd:element minOccurs="0" name="Contexts" nillable="true"

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        type="tns:ArrayOfContextDTO" />
        <xsd:element minOccurs="0" name="ValidFrom" nillable="true"
            type="xsd:dateTime" />
        <xsd:element minOccurs="0" name="ValidTo" nillable="true"
            type="xsd:dateTime" />
        <xsd:element minOccurs="0" name="keyword" nillable="true"
            type="tns:KeywordDTO" />
    </xsd:sequence>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>

<xsd:simpleType name="SynonymExpansionType">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="OneWay" />
        <xsd:enumeration value="TwoWay" />
    </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="PromotedDocumentDTO" mixed="false">
    <xsd:complexContent mixed="false">
        <xsd:extension base="tns:PromotedItemDTO">
            <xsd:sequence />
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="PromotedLocationDTO" mixed="false">
    <xsd:complexContent mixed="false">
        <xsd:extension base="tns:PromotedItemDTO">
            <xsd:sequence />
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="BestBetDTO" mixed="false">
    <xsd:complexContent mixed="false">
        <xsd:extension base="tns:ManagedResultDTO">
            <xsd:sequence />
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="ManagedResultDTO" mixed="true">
    <xsd:complexContent>
        <xsd:extension base="tns:SearchSettingDTO">
            <xsd:sequence>
                <xsd:element minOccurs="0" name="Position" nillable="true"
                    type="xsd:short" />
                <xsd:element minOccurs="0" name="Teaser" nillable="true"
                    type="xsd:string" />
                <xsd:element minOccurs="0" name="TeaserContentType"
                    nillable="true" type="xsd:string" />
                <xsd:element minOccurs="0" name="Uri" nillable="true"
                    type="xsd:anyURI" />
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

```



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<xsd:complexType name="FeaturedContentDTO" mixed="false">
  <xsd:complexContent mixed="false">
    <xsd:extension base="tns:ManagedResultDTO">
      <xsd:sequence />
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="PromotionDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:SearchSettingDTO">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="BoostValue" type="xsd:int" />
        <xsd:element minOccurs="0" name="PromotedItems"
          nillable="true" type="tns:ArrayOfPromotedItemDTO" />
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="ContextExpressionDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:CommonDTOMembers">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="ContextId" type="xsd:long" />
        <xsd:element minOccurs="0" name="ExpressionType"
          type="tns:ExpressionTypes" />
        <xsd:element minOccurs="0" name="Parent" nillable="true"
          type="tns:ContextExpressionDTO" />
        <xsd:element minOccurs="0" name="Value" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

<xsd:simpleType name="ExpressionTypes">
  <xsd:annotation>
    <xsd:appinfo>
      <ActualType Name="unsignedByte" Namespace="http://www.w3.org/2001/XMLSchema"
        xmlns="http://schemas.microsoft.com/2003/10/Serialization/" />
    </xsd:appinfo>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="AND" />
    <xsd:enumeration value="NOT" />
    <xsd:enumeration value="OR" />
    <xsd:enumeration value="MATCH" />
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="ContextDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:CommonDTOMembers">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="ContextExpressionRoot"
          nillable="true" type="tns:ContextExpressionDTO" />
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

```

```

        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="KeywordDTO" mixed="true">
    <xsd:complexContent>
        <xsd:extension base="tns:CommonDTOMembers">
            <xsd:sequence>
                <xsd:element minOccurs="0" name="SearchSettings"
                    nillable="true" type="tns:ArrayOfSearchSettingDTO" />
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="SearchSettingGroupDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" name="Description" nillable="true"
            type="xsd:string" />
        <xsd:element minOccurs="0" name="Id" type="xsd:long" />
        <xsd:element minOccurs="0" name="LastChanged" type="xsd:dateTime" />
        <xsd:element minOccurs="0" name="Name" nillable="true"
            type="xsd:string" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="DetachNamedContextFromSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingId"
                type="xsd:long" />
            <xsd:element minOccurs="0" name="contextName"
                nillable="true" type="xsd:string" />
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="DetachNamedContextFromSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="AdminExceptionWCF">
    <xsd:sequence>
        <xsd:element minOccurs="0" name="ErrorCode" nillable="true"
            type="xsd:string" />
        <xsd:element minOccurs="0" name="Values" nillable="true"
            type="msa:ArrayOfstring" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="AdminExceptionWCF" nillable="true"
    type="tns:AdminExceptionWCF" />

<xsd:element name="AttachNamedContextToSearchSetting">
    <xsd:complexType>
        <xsd:sequence>

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        <xsd:element minOccurs="0" name="searchSettingId"
            type="xsd:long" />
        <xsd:element minOccurs="0" name="contextName"
            nillable="true" type="xsd:string" />
        <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="AttachNamedContextToSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="AttachNamedContextToSearchSettingResult" nillable="true"
                type="tns:ContextDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="AttachContextToSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingId"
                type="xsd:long" />
            <xsd:element minOccurs="0" name="contextId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="AttachContextToSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="AttachContextToSearchSettingResult" type="xsd:dateTime" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateContext">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="context" nillable="true"
                type="tns:ContextDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateContextResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="UpdateContextResult"
                nillable="true" type="tns:ContextDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="DetachContextFromSearchSetting">
    <xsd:complexType>
        <xsd:sequence>

```

```

        <xsd:element minOccurs="0" name="searchSettingId"
            type="xsd:long" />
        <xsd:element minOccurs="0" name="contextId" type="xsd:long" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="DetachContextFromSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="DetachContextFromSearchSettingResult" type="xsd:dateTime" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateAggregateContextExpressionRoot">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="context" nillable="true"
                type="tns:ContextDTO" />
            <xsd:element minOccurs="0" name="type" type="tns:ExpressionTypes" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateAggregateContextExpressionRootResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="CreateAggregateContextExpressionRootResult" nillable="true"
                type="tns:ContextExpressionDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveContextExpressionSubtree">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveContextExpressionSubtreeResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="RemoveContextExpressionSubtreeResult" type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="ContainsContextExpression">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
            <xsd:element minOccurs="0" name="nodeId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

```

```

    </xsd:complexType>
  </xsd:element>

  <xsd:element name="ContainsContextExpressionResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0"
          name="ContainsContextExpressionResult" type="xsd:boolean" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="RemoveContextExpressionSubtreeIncludingParent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="RemoveContextExpressionSubtreeIncludingParentResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0"
          name="RemoveContextExpressionSubtreeIncludingParentResult" type="xsd:boolean"
/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetContextExpressionCount">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetContextExpressionCountResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0"
          name="GetContextExpressionCountResult" type="xsd:int" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="AddContextExpressionAggregateNode">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="contextId" type="xsd:long" />
        <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
        <xsd:element minOccurs="0" name="type" type="tns:ExpressionTypes" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="AddContextExpressionAggregateNodeResponse">
    <xsd:complexType>

```

```

    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="AddContextExpressionAggregateNodeResult" nillable="true"
        type="tns:ContextExpressionDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="AddContextExpressionAtomicNode">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="contextId" type="xsd:long" />
      <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
      <xsd:element minOccurs="0" name="key" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="value" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="type" type="tns:ExpressionTypes" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="AddContextExpressionAtomicNodeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="AddContextExpressionAtomicNodeResult" nillable="true"
        type="tns:ContextExpressionDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetContextExpressionTree">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetContextExpressionTreeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="GetContextExpressionTreeResult" nillable="true"
        type="tns:ArrayOfContextExpressionDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfContextExpressionDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded"
      name="ContextExpressionDTO" nillable="true" type="tns:ContextExpressionDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="RemoveKeywordsByCriteria">
  <xsd:complexType>

```

```

        <xsd:sequence>
            <xsd:element minOccurs="0" name="filter" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveKeywordsByCriteriaResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="CountKeywordsByCriteria">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="filter" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CountKeywordsByCriteriaResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="CountKeywordsByCriteriaResult"
                type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetKeywordByCriteria">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="filter" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="keywordName"
                nillable="true" type="xsd:string" />
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetKeywordByCriteriaResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetKeywordByCriteriaResult"
                nillable="true" type="tns:KeywordDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetEmptyKeyword">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

```

```

    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetEmptyKeywordResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="GetEmptyKeywordResult"
          nillable="true" type="tns:KeywordDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="RemoveKeywordByCriteria">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="keywordName"
          nillable="true" type="xsd:string" />
        <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="RemoveKeywordByCriteriaResponse">
    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="AddKeyword">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="keyword" nillable="true"
          type="tns:KeywordDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="AddKeywordResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="AddKeywordResult"
          nillable="true" type="tns:KeywordDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetKeywordPagedResult">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="field" type="tns:KeywordSortField" />
        <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
        <xsd:element minOccurs="0" name="offset" type="xsd:int" />
        <xsd:element minOccurs="0" name="count" type="xsd:int" />
        <xsd:element minOccurs="0" name="filter" nillable="true"
          type="xsd:string" />
        <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```



```

<xsd:simpleType name="KeywordSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Term" />
    <xsd:enumeration value="LastChanged" />
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="SortDirection">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Ascending" />
    <xsd:enumeration value="Descending" />
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="GetKeywordPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetKeywordPagedResultResult"
        nillable="true" type="tns:ArrayOfKeywordDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfKeywordDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="KeywordDTO"
      nillable="true" type="tns:KeywordDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="UpdateKeyword">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keyword" nillable="true"
        type="tns:KeywordDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateKeywordResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="UpdateKeywordResult"
        nillable="true" type="tns:KeywordDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetKeywordById">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetKeywordByIdResponse">
  <xsd:complexType>

```

```

        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetKeywordByIdResult"
                nillable="true" type="tns:KeywordDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="AddSearchSettingGroup">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="groupName" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="description"
                nillable="true" type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="AddSearchSettingGroupResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="AddSearchSettingGroupResult"
                nillable="true" type="tns:SearchSettingGroupDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetNamedSearchSettingGroup">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="groupName" nillable="true"
                type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetNamedSearchSettingGroupResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="GetNamedSearchSettingGroupResult" nillable="true"
                type="tns:SearchSettingGroupDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateSearchSettingGroup">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingGroup"
                nillable="true" type="tns:SearchSettingGroupDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateSearchSettingGroupResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"

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        name="UpdateSearchSettingGroupResult" nillable="true"
        type="tns:SearchSettingGroupDTO" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingGroups">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingGroupsResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingGroupById">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingGroupByIdResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveNamedSearchSettingGroup">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="groupName" nillable="true"
                type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveNamedSearchSettingGroupResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="CountSearchSettingGroups">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="CountSearchSettingGroupsResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="CountSearchSettingGroupsResult" type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

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```

    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetSearchSettingGroups">
    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetSearchSettingGroupsResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="GetSearchSettingGroupsResult"
          nillable="true" type="tns:ArrayOfSearchSettingGroupDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:complexType name="ArrayOfSearchSettingGroupDTO">
    <xsd:sequence>
      <xsd:element minOccurs="0" maxOccurs="unbounded"
        name="SearchSettingGroupDTO" nillable="true" type="tns:SearchSettingGroupDTO" />
    </xsd:sequence>
  </xsd:complexType>

  <xsd:element name="RemovePromotedItem">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="itemId" type="xsd:long" />
        <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="RemovePromotedItemResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="RemovePromotedItemResult"
          type="xsd:boolean" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="CountPromotedItems">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="CountPromotedItemsResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="CountPromotedItemsResult"
          type="xsd:int" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

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<xsd:element name="RemovePromotedItems">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemovePromotedItemsResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="ContainsPromotedItem">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="itemId" type="xsd:long" />
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="ContainsPromotedItemResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsPromotedItemResult"
        type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="AddPromotedItem">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotedItem"
        nillable="true" type="tns:PromotedItemDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="AddPromotedItemResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="AddPromotedItemResult"
        nillable="true" type="tns:PromotedItemDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="UpdatePromotedItem">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotedItem"
        nillable="true" type="tns:PromotedItemDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

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<xsd:element name="UpdatePromotedItemResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="UpdatePromotedItemResult"
        nillable="true" type="tns:PromotedItemDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetPromotionPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
      <xsd:element minOccurs="0" name="field"
        type="tns:PromotionSortField" />
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
      <xsd:element minOccurs="0" name="offset" type="xsd:int" />
      <xsd:element minOccurs="0" name="count" type="xsd:int" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:simpleType name="PromotionSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
    <xsd:enumeration value="StartDate" />
    <xsd:enumeration value="EndDdate" />
    <xsd:enumeration value="PromotionSpec">
      <xsd:annotation>
        <xsd:appinfo>
          <EnumerationValue
            xmlns="http://schemas.microsoft.com/2003/10/Serialization/">6</EnumerationValue>
        </xsd:appinfo>
      </xsd:annotation>
    </xsd:enumeration>
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="GetPromotionPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetPromotionPagedResultResult"
        nillable="true" type="tns:ArrayOfPromotionDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfPromotionDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="PromotionDTO"
      nillable="true" type="tns:PromotionDTO" />
  </xsd:sequence>
</xsd:complexType>

```

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<xsd:element name="GetPromotedItems">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetPromotedItemsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetPromotedItemsResult"
        nillable="true" type="tns:ArrayOfPromotedItemDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfPromotedItemDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="PromotedItemDTO"
      nillable="true" type="tns:PromotedItemDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetPromotedDocuments">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetPromotedDocumentsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetPromotedDocumentsResult"
        nillable="true" type="tns:ArrayOfPromotedDocumentDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfPromotedDocumentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded"
      name="PromotedDocumentDTO" nillable="true" type="tns:PromotedDocumentDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetPromotedExpressions">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetPromotedExpressionsResponse">
  <xsd:complexType>
    <xsd:sequence>

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        <xsd:element minOccurs="0" name="GetPromotedExpressionsResult"
            nillable="true" type="tns:ArrayOfPromotedExpressionDTO" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfPromotedExpressionDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded"
            name="PromotedExpressionDTO" nillable="true" type="tns:PromotedExpressionDTO" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetPromotedLocations">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetPromotedLocationsResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetPromotedLocationsResult"
                nillable="true" type="tns:ArrayOfPromotedLocationDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfPromotedLocationDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded"
            name="PromotedLocationDTO" nillable="true" type="tns:PromotedLocationDTO" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetBestBetPagedResult">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
            <xsd:element minOccurs="0" name="field" type="tns:BestBetSortField" />
            <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
            <xsd:element minOccurs="0" name="offset" type="xsd:int" />
            <xsd:element minOccurs="0" name="count" type="xsd:int" />
            <xsd:element minOccurs="0" name="filter" nillable="true"
                type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:simpleType name="BestBetSortField">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Name" />
        <xsd:enumeration value="LastChanged" />
        <xsd:enumeration value="StartDate" />
        <xsd:enumeration value="EndDate" />
        <xsd:enumeration value="Uri" />
        <xsd:enumeration value="Position" />
    </xsd:restriction>
</xsd:simpleType>

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    </xsd:restriction>
</xsd:simpleType>

<xsd:element name="GetBestBetPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetBestBetPagedResultResult"
        nillable="true" type="tns:ArrayOfBestBetDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfBestBetDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="BestBetDTO"
      nillable="true" type="tns:BestBetDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetFeaturedContentPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
      <xsd:element minOccurs="0" name="field"
        type="tns:FeaturedContentSortField" />
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
      <xsd:element minOccurs="0" name="offset" type="xsd:int" />
      <xsd:element minOccurs="0" name="count" type="xsd:int" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:simpleType name="FeaturedContentSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
    <xsd:enumeration value="StartDate" />
    <xsd:enumeration value="EndDate" />
    <xsd:enumeration value="Uri" />
    <xsd:enumeration value="Position" />
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="GetFeaturedContentPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="GetFeaturedContentPagedResultResult" nillable="true"
        type="tns:ArrayOfFeaturedContentDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfFeaturedContentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded"
      name="FeaturedContentDTO" nillable="true" type="tns:FeaturedContentDTO" />
  </xsd:sequence>
</xsd:complexType>

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    </xsd:sequence>
  </xsd:complexType>

  <xsd:element name="AddSynonym">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="synonym" nillable="true"
          type="tns:SynonymDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="AddSynonymResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="AddSynonymResult"
          nillable="true" type="tns:SynonymDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="CountSearchSettingsByCriteria">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
        <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
        <xsd:element minOccurs="0" name="filter" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="CountSearchSettingsByCriteriaResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0"
          name="CountSearchSettingsByCriteriaResult" type="xsd:int" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="ContainsSearchSettingByCriteria">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="searchSettingName"
          nillable="true" type="xsd:string" />
        <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
        <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="ContainsSearchSettingByCriteriaResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0"
          name="ContainsSearchSettingByCriteriaResult" type="xsd:boolean" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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</xsd:element>

<xsd:element name="ContainsSearchSettingById">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingId"
        type="xsd:long" />
      <xsd:element minOccurs="0" name="contextId" nillable="true"
        type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="ContainsSearchSettingByIdResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="ContainsSearchSettingByIdResult" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingsByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingsByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingId"
        type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RemoveSearchSettingResult"
        type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveNamedSearchSettingByType">
  <xsd:complexType>

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        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingName"
                nillable="true" type="xsd:string" />
            <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
            <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveNamedSearchSettingByTypeResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="RemoveNamedSearchSettingByTypeResult" nillable="true"
                type="xsd:dateTime" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="AddSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSetting"
                nillable="true" type="tns:SearchSettingDTO" />
            <xsd:element minOccurs="0" name="contextId" nillable="true"
                type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="AddSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="AddSearchSettingResult"
                nillable="true" type="tns:SearchSettingDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetSearchSettingByNameAndType">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingName"
                nillable="true" type="xsd:string" />
            <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
            <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetSearchSettingByNameAndTypeResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="GetSearchSettingByNameAndTypeResult" nillable="true"
                type="tns:SearchSettingDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

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<xsd:element name="CountSearchSettingsForGroupByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="global" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CountSearchSettingsForGroupByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="CountSearchSettingsForGroupByCriteriaResult" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetSynonymPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
      <xsd:element minOccurs="0" name="field" type="tns:SynonymSortField" />
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
      <xsd:element minOccurs="0" name="offset" type="xsd:int" />
      <xsd:element minOccurs="0" name="count" type="xsd:int" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:simpleType name="SynonymSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
    <xsd:enumeration value="StartDate" />
    <xsd:enumeration value="EndDate" />
    <xsd:enumeration value="Term">
      <xsd:annotation>
        <xsd:appinfo>
          <EnumerationValue
            xmlns="http://schemas.microsoft.com/2003/10/Serialization/">7</EnumerationValue>
        </xsd:appinfo>
      </xsd:annotation>
    </xsd:enumeration>
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="GetSynonymPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetSynonymPagedResultResult"
        nillable="true" type="tns:ArrayOfSynonymDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

```

        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfSynonymDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded" name="SynonymDTO"
            nillable="true" type="tns:SynonymDTO" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="UpdateSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSetting"
                nillable="true" type="tns:SearchSettingDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="UpdateSearchSettingResult"
                nillable="true" type="tns:SearchSettingDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetSearchSettingPagedResult">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
            <xsd:element minOccurs="0" name="field"
                type="tns:SearchSettingSortField" />
            <xsd:element minOccurs="0" name="ascending" type="tns:SortDirection" />
            <xsd:element minOccurs="0" name="offset" type="xsd:int" />
            <xsd:element minOccurs="0" name="count" type="xsd:int" />
            <xsd:element minOccurs="0" name="filter" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="global" type="xsd:boolean" />
            <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
            <xsd:element minOccurs="0" name="contextId" nillable="true"
                type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:simpleType name="SearchSettingSortField">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Name" />
        <xsd:enumeration value="LastChanged" />
        <xsd:enumeration value="StartDate" />
        <xsd:enumeration value="EndDate" />
        <xsd:enumeration value="ManagedResultUri" />
        <xsd:enumeration value="ManagedResultPosition" />
        <xsd:enumeration value="PromotionSpec" />
        <xsd:enumeration value="SynonymTerm" />
    </xsd:restriction>

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</xsd:simpleType>

<xsd:element name="GetSearchSettingPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="GetSearchSettingPagedResultResult" nillable="true"
        type="tns:ArrayOfSearchSettingDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfSearchSettingDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="SearchSettingDTO"
      nillable="true" type="tns:SearchSettingDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="RemoveSearchSettingsFromGroupByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="global" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingsFromGroupByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="CountSearchSettingsForContext">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="contextId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CountSearchSettingsForContextResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="CountSearchSettingsForContextResult" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetNamedContext">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="contextName"
        nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

```

        <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="GetNamedContextResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetNamedContextResult"
                nillable="true" type="tns:ContextDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetNamedContextForSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="contextName"
                nillable="true" type="xsd:string" />
            <xsd:element minOccurs="0" name="searchSettingId"
                type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetNamedContextForSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="GetNamedContextForSearchSettingResult" nillable="true"
                type="tns:ContextDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="AddContext">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="context" nillable="true"
                type="tns:ContextDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="AddContextResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="AddContextResult"
                nillable="true" type="tns:ContextDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CountContextsByCriteria">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="filter" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />

```



```

        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CountContextsByCriteriaResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="CountContextsByCriteriaResult"
                type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CountContextsForSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingId"
                type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CountContextsForSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="CountContextsForSearchSettingResult" type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveNamedContext">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="contextName"
                nillable="true" type="xsd:string" />
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveNamedContextResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveContextsByCriteria">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="filter" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveContextsByCriteriaResponse">
    <xsd:complexType>

```

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        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetContextsPagedResult">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
            <xsd:element minOccurs="0" name="field" type="tns:ContextSortField" />
            <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
            <xsd:element minOccurs="0" name="offset" type="xsd:int" />
            <xsd:element minOccurs="0" name="count" type="xsd:int" />
            <xsd:element minOccurs="0" name="filter" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="searchSettingId"
                type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:simpleType name="ContextSortField">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Name" />
        <xsd:enumeration value="LastChanged" />
    </xsd:restriction>
</xsd:simpleType>

<xsd:element name="GetContextsPagedResultResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetContextsPagedResultResult"
                nillable="true" type="tns:ArrayOfContextDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfContextDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded" name="ContextDTO"
            nillable="true" type="tns:ContextDTO" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="DetachContextsFromSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingId"
                type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="DetachContextsFromSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

</xsd:schema>

```

```

<xsd:schema attributeFormDefault="qualified"
  elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/">
  <xsd:attribute name="Id" type="xsd:ID" />
  <xsd:attribute name="Ref" type="xsd:IDREF" />
</xsd:schema>

<xsd:schema elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
  <xsd:complexType name="ArrayOfstring">
    <xsd:sequence>
      <xsd:element minOccurs="0" maxOccurs="unbounded" name="string"
        nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
  <xsd:element name="ArrayOfstring" nillable="true"
    type="msa:ArrayOfstring" />
</xsd:schema>

</wsdl:types>

<wsdl:message
  name="KeywordService_DetachContextsFromSearchSetting_InputMessage">
  <wsdl:part name="parameters" element="tns:DetachContextsFromSearchSetting" />
</wsdl:message>
<wsdl:message
  name="KeywordService_DetachContextsFromSearchSetting_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:DetachContextsFromSearchSettingResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_DetachContextsFromSearchSetting_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_DetachNamedContextFromSearchSetting_InputMessage">
  <wsdl:part name="parameters" element="tns:DetachNamedContextFromSearchSetting" />
</wsdl:message>
<wsdl:message
  name="KeywordService_DetachNamedContextFromSearchSetting_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:DetachNamedContextFromSearchSettingResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_DetachNamedContextFromSearchSetting_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AttachNamedContextToSearchSetting_InputMessage">
  <wsdl:part name="parameters" element="tns:AttachNamedContextToSearchSetting" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AttachNamedContextToSearchSetting_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:AttachNamedContextToSearchSettingResponse" />
</wsdl:message>

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```

</wsdl:message>
<wsdl:message
name="KeywordService_AttachNamedContextToSearchSetting_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
name="KeywordService_AttachContextToSearchSetting_InputMessage">
  <wsdl:part name="parameters" element="tns:AttachContextToSearchSetting" />
</wsdl:message>
<wsdl:message
name="KeywordService_AttachContextToSearchSetting_OutputMessage">
  <wsdl:part name="parameters" element="tns:AttachContextToSearchSettingResponse" />
</wsdl:message>
<wsdl:message
name="KeywordService_AttachContextToSearchSetting_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_UpdateContext_InputMessage">
  <wsdl:part name="parameters" element="tns:UpdateContext" />
</wsdl:message>
<wsdl:message name="KeywordService_UpdateContext_OutputMessage">
  <wsdl:part name="parameters" element="tns:UpdateContextResponse" />
</wsdl:message>
<wsdl:message
name="KeywordService_UpdateContext_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
name="KeywordService_DetachContextFromSearchSetting_InputMessage">
  <wsdl:part name="parameters" element="tns:DetachContextFromSearchSetting" />
</wsdl:message>
<wsdl:message
name="KeywordService_DetachContextFromSearchSetting_OutputMessage">
  <wsdl:part name="parameters" element="tns:DetachContextFromSearchSettingResponse" />
</wsdl:message>
<wsdl:message
name="KeywordService_DetachContextFromSearchSetting_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
name="KeywordService_CreateAggregateContextExpressionRoot_InputMessage">
  <wsdl:part name="parameters" element="tns:CreateAggregateContextExpressionRoot" />
</wsdl:message>
<wsdl:message
name="KeywordService_CreateAggregateContextExpressionRoot_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:CreateAggregateContextExpressionRootResponse" />
</wsdl:message>
<wsdl:message
name="KeywordService_CreateAggregateContextExpressionRoot_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
name="KeywordService_RemoveContextExpressionSubtree_InputMessage">
  <wsdl:part name="parameters" element="tns:RemoveContextExpressionSubtree" />
</wsdl:message>

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<wsdl:message
  name="KeywordService_RemoveContextExpressionSubtree_OutputMessage">
  <wsdl:part name="parameters" element="tns:RemoveContextExpressionSubtreeResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveContextExpressionSubtree_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_ContainsContextExpression_InputMessage">
  <wsdl:part name="parameters" element="tns:ContainsContextExpression" />
</wsdl:message>
<wsdl:message name="KeywordService_ContainsContextExpression_OutputMessage">
  <wsdl:part name="parameters" element="tns:ContainsContextExpressionResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_ContainsContextExpression_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveContextExpressionSubtreeIncludingParent_InputMessage">
  <wsdl:part name="parameters"
    element="tns:RemoveContextExpressionSubtreeIncludingParent" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveContextExpressionSubtreeIncludingParent_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:RemoveContextExpressionSubtreeIncludingParentResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveContextExpressionSubtreeIncludingParent_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetContextExpressionCount_InputMessage">
  <wsdl:part name="parameters" element="tns:GetContextExpressionCount" />
</wsdl:message>
<wsdl:message name="KeywordService_GetContextExpressionCount_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetContextExpressionCountResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetContextExpressionCount_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AddContextExpressionAggregateNode_InputMessage">
  <wsdl:part name="parameters" element="tns:AddContextExpressionAggregateNode" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AddContextExpressionAggregateNode_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:AddContextExpressionAggregateNodeResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AddContextExpressionAggregateNode_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message

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        name="KeywordService_AddContextExpressionAtomicNode_InputMessage">
        <wsdl:part name="parameters" element="tns:AddContextExpressionAtomicNode" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_AddContextExpressionAtomicNode_OutputMessage">
        <wsdl:part name="parameters" element="tns:AddContextExpressionAtomicNodeResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_AddContextExpressionAtomicNode_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetContextExpressionTree_InputMessage">
        <wsdl:part name="parameters" element="tns:GetContextExpressionTree" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetContextExpressionTree_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetContextExpressionTreeResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetContextExpressionTree_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveKeywordsByCriteria_InputMessage">
        <wsdl:part name="parameters" element="tns:RemoveKeywordsByCriteria" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveKeywordsByCriteria_OutputMessage">
        <wsdl:part name="parameters" element="tns:RemoveKeywordsByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_CountKeywordsByCriteria_InputMessage">
        <wsdl:part name="parameters" element="tns:CountKeywordsByCriteria" />
    </wsdl:message>
    <wsdl:message name="KeywordService_CountKeywordsByCriteria_OutputMessage">
        <wsdl:part name="parameters" element="tns:CountKeywordsByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetKeywordByCriteria_InputMessage">
        <wsdl:part name="parameters" element="tns:GetKeywordByCriteria" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetKeywordByCriteria_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetKeywordByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetKeywordByCriteria_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetEmptyKeyword_InputMessage">
        <wsdl:part name="parameters" element="tns:GetEmptyKeyword" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetEmptyKeyword_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetEmptyKeywordResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetEmptyKeyword_AdminExceptionWCFFault_FaultMessage">

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    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_RemoveKeywordByCriteria_InputMessage">
    <wsdl:part name="parameters" element="tns:RemoveKeywordByCriteria" />
</wsdl:message>
<wsdl:message name="KeywordService_RemoveKeywordByCriteria_OutputMessage">
    <wsdl:part name="parameters" element="tns:RemoveKeywordByCriteriaResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_RemoveKeywordByCriteria_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_AddKeyword_InputMessage">
    <wsdl:part name="parameters" element="tns:AddKeyword" />
</wsdl:message>
<wsdl:message name="KeywordService_AddKeyword_OutputMessage">
    <wsdl:part name="parameters" element="tns:AddKeywordResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_AddKeyword_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetKeywordPagedResult_InputMessage">
    <wsdl:part name="parameters" element="tns:GetKeywordPagedResult" />
</wsdl:message>
<wsdl:message name="KeywordService_GetKeywordPagedResult_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetKeywordPagedResultResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_GetKeywordPagedResult_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_UpdateKeyword_InputMessage">
    <wsdl:part name="parameters" element="tns:UpdateKeyword" />
</wsdl:message>
<wsdl:message name="KeywordService_UpdateKeyword_OutputMessage">
    <wsdl:part name="parameters" element="tns:UpdateKeywordResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_UpdateKeyword_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_AddSearchSettingGroup_InputMessage">
    <wsdl:part name="parameters" element="tns:AddSearchSettingGroup" />
</wsdl:message>
<wsdl:message name="KeywordService_AddSearchSettingGroup_OutputMessage">
    <wsdl:part name="parameters" element="tns:AddSearchSettingGroupResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_AddSearchSettingGroup_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetNamedSearchSettingGroup_InputMessage">
    <wsdl:part name="parameters" element="tns:GetNamedSearchSettingGroup" />
</wsdl:message>
<wsdl:message name="KeywordService_GetNamedSearchSettingGroup_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetNamedSearchSettingGroupResponse" />
</wsdl:message>
<wsdl:message

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        name="KeywordService_GetNamedSearchSettingGroup_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_UpdateSearchSettingGroup_InputMessage">
        <wsdl:part name="parameters" element="tns:UpdateSearchSettingGroup" />
    </wsdl:message>
    <wsdl:message name="KeywordService_UpdateSearchSettingGroup_OutputMessage">
        <wsdl:part name="parameters" element="tns:UpdateSearchSettingGroupResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_UpdateSearchSettingGroup_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveSearchSettingGroups_InputMessage">
        <wsdl:part name="parameters" element="tns:RemoveSearchSettingGroups" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveSearchSettingGroups_OutputMessage">
        <wsdl:part name="parameters" element="tns:RemoveSearchSettingGroupsResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingGroups_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingGroupById_InputMessage">
        <wsdl:part name="parameters" element="tns:RemoveSearchSettingGroupById" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingGroupById_OutputMessage">
        <wsdl:part name="parameters" element="tns:RemoveSearchSettingGroupByIdResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingGroupById_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveNamedSearchSettingGroup_InputMessage">
        <wsdl:part name="parameters" element="tns:RemoveNamedSearchSettingGroup" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveNamedSearchSettingGroup_OutputMessage">
        <wsdl:part name="parameters" element="tns:RemoveNamedSearchSettingGroupResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveNamedSearchSettingGroup_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_CountSearchSettingGroups_InputMessage">
        <wsdl:part name="parameters" element="tns:CountSearchSettingGroups" />
    </wsdl:message>
    <wsdl:message name="KeywordService_CountSearchSettingGroups_OutputMessage">
        <wsdl:part name="parameters" element="tns:CountSearchSettingGroupsResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountSearchSettingGroups_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetSearchSettingGroups_InputMessage">
        <wsdl:part name="parameters" element="tns:GetSearchSettingGroups" />

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</wsdl:message>
<wsdl:message name="KeywordService_GetSearchSettingGroups_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetSearchSettingGroupsResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetSearchSettingGroups_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_RemovePromotedItem_InputMessage">
  <wsdl:part name="parameters" element="tns:RemovePromotedItem" />
</wsdl:message>
<wsdl:message name="KeywordService_RemovePromotedItem_OutputMessage">
  <wsdl:part name="parameters" element="tns:RemovePromotedItemResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemovePromotedItem_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_CountPromotedItems_InputMessage">
  <wsdl:part name="parameters" element="tns:CountPromotedItems" />
</wsdl:message>
<wsdl:message name="KeywordService_CountPromotedItems_OutputMessage">
  <wsdl:part name="parameters" element="tns:CountPromotedItemsResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_CountPromotedItems_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_RemovePromotedItems_InputMessage">
  <wsdl:part name="parameters" element="tns:RemovePromotedItems" />
</wsdl:message>
<wsdl:message name="KeywordService_RemovePromotedItems_OutputMessage">
  <wsdl:part name="parameters" element="tns:RemovePromotedItemsResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemovePromotedItems_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_ContainsPromotedItem_InputMessage">
  <wsdl:part name="parameters" element="tns:ContainsPromotedItem" />
</wsdl:message>
<wsdl:message name="KeywordService_ContainsPromotedItem_OutputMessage">
  <wsdl:part name="parameters" element="tns:ContainsPromotedItemResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_ContainsPromotedItem_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_AddPromotedItem_InputMessage">
  <wsdl:part name="parameters" element="tns:AddPromotedItem" />
</wsdl:message>
<wsdl:message name="KeywordService_AddPromotedItem_OutputMessage">
  <wsdl:part name="parameters" element="tns:AddPromotedItemResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AddPromotedItem_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_UpdatePromotedItem_InputMessage">

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    <wsdl:part name="parameters" element="tns:UpdatePromotedItem" />
</wsdl:message>
<wsdl:message name="KeywordService_UpdatePromotedItem_OutputMessage">
    <wsdl:part name="parameters" element="tns:UpdatePromotedItemResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_UpdatePromotedItem_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotionPagedResult_InputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotionPagedResult" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotionPagedResult_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotionPagedResultResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_GetPromotionPagedResult_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedItems_InputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotedItems" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedItems_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotedItemsResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_GetPromotedItems_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedDocuments_InputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotedDocuments" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedDocuments_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotedDocumentsResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_GetPromotedDocuments_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedExpressions_InputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotedExpressions" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedExpressions_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotedExpressionsResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_GetPromotedExpressions_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedLocations_InputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotedLocations" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedLocations_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotedLocationsResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_GetPromotedLocations_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>

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<wsdl:message name="KeywordService_GetBestBetPagedResult_InputMessage">
  <wsdl:part name="parameters" element="tns:GetBestBetPagedResult" />
</wsdl:message>
<wsdl:message name="KeywordService_GetBestBetPagedResult_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetBestBetPagedResultResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetBestBetPagedResult_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetFeaturedContentPagedResult_InputMessage">
  <wsdl:part name="parameters" element="tns:GetFeaturedContentPagedResult" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetFeaturedContentPagedResult_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetFeaturedContentPagedResultResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetFeaturedContentPagedResult_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_AddSynonym_InputMessage">
  <wsdl:part name="parameters" element="tns:AddSynonym" />
</wsdl:message>
<wsdl:message name="KeywordService_AddSynonym_OutputMessage">
  <wsdl:part name="parameters" element="tns:AddSynonymResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AddSynonym_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_CountSearchSettingsByCriteria_InputMessage">
  <wsdl:part name="parameters" element="tns:CountSearchSettingsByCriteria" />
</wsdl:message>
<wsdl:message
  name="KeywordService_CountSearchSettingsByCriteria_OutputMessage">
  <wsdl:part name="parameters" element="tns:CountSearchSettingsByCriteriaResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_CountSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_ContainsSearchSettingByCriteria_InputMessage">
  <wsdl:part name="parameters" element="tns:ContainsSearchSettingByCriteria" />
</wsdl:message>
<wsdl:message
  name="KeywordService_ContainsSearchSettingByCriteria_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:ContainsSearchSettingByCriteriaResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_ContainsSearchSettingByCriteria_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_ContainsSearchSettingById_InputMessage">

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    <wsdl:part name="parameters" element="tns:ContainsSearchSettingById" />
</wsdl:message>
<wsdl:message name="KeywordService_ContainsSearchSettingById_OutputMessage">
    <wsdl:part name="parameters" element="tns:ContainsSearchSettingByIdResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_ContainsSearchSettingById_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
    name="KeywordService_RemoveSearchSettingsByCriteria_InputMessage">
    <wsdl:part name="parameters" element="tns:RemoveSearchSettingsByCriteria" />
</wsdl:message>
<wsdl:message
    name="KeywordService_RemoveSearchSettingsByCriteria_OutputMessage">
    <wsdl:part name="parameters" element="tns:RemoveSearchSettingsByCriteriaResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_RemoveSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_RemoveSearchSetting_InputMessage">
    <wsdl:part name="parameters" element="tns:RemoveSearchSetting" />
</wsdl:message>
<wsdl:message name="KeywordService_RemoveSearchSetting_OutputMessage">
    <wsdl:part name="parameters" element="tns:RemoveSearchSettingResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_RemoveSearchSetting_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
    name="KeywordService_RemoveNamedSearchSettingByType_InputMessage">
    <wsdl:part name="parameters" element="tns:RemoveNamedSearchSettingByType" />
</wsdl:message>
<wsdl:message
    name="KeywordService_RemoveNamedSearchSettingByType_OutputMessage">
    <wsdl:part name="parameters" element="tns:RemoveNamedSearchSettingByTypeResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_RemoveNamedSearchSettingByType_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_AddSearchSetting_InputMessage">
    <wsdl:part name="parameters" element="tns:AddSearchSetting" />
</wsdl:message>
<wsdl:message name="KeywordService_AddSearchSetting_OutputMessage">
    <wsdl:part name="parameters" element="tns:AddSearchSettingResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_AddSearchSetting_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
    name="KeywordService_GetSearchSettingByNameAndType_InputMessage">
    <wsdl:part name="parameters" element="tns:GetSearchSettingByNameAndType" />
</wsdl:message>
<wsdl:message
    name="KeywordService_GetSearchSettingByNameAndType_OutputMessage">

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        <wsdl:part name="parameters" element="tns:GetSearchSettingByNameAndTypeResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetSearchSettingByNameAndType_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountSearchSettingsForGroupByCriteria_InputMessage">
        <wsdl:part name="parameters" element="tns:CountSearchSettingsForGroupByCriteria" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountSearchSettingsForGroupByCriteria_OutputMessage">
        <wsdl:part name="parameters"
            element="tns:CountSearchSettingsForGroupByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
name="KeywordService_CountSearchSettingsForGroupByCriteria_AdminExceptionWCFFault_FaultMessag
e">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetSynonymPagedResult_InputMessage">
        <wsdl:part name="parameters" element="tns:GetSynonymPagedResult" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetSynonymPagedResult_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetSynonymPagedResultResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetSynonymPagedResult_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_UpdateSearchSetting_InputMessage">
        <wsdl:part name="parameters" element="tns:UpdateSearchSetting" />
    </wsdl:message>
    <wsdl:message name="KeywordService_UpdateSearchSetting_OutputMessage">
        <wsdl:part name="parameters" element="tns:UpdateSearchSettingResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_UpdateSearchSetting_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetSearchSettingPagedResult_InputMessage">
        <wsdl:part name="parameters" element="tns:GetSearchSettingPagedResult" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetSearchSettingPagedResult_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetSearchSettingPagedResultResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetSearchSettingPagedResult_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingsFromGroupByCriteria_InputMessage">
        <wsdl:part name="parameters"
            element="tns:RemoveSearchSettingsFromGroupByCriteria" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingsFromGroupByCriteria_OutputMessage">

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        <wsdl:part name="parameters"
            element="tns:RemoveSearchSettingsFromGroupByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
name="KeywordService_RemoveSearchSettingsFromGroupByCriteria_AdminExceptionWCFFault_FaultMess
age">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
name="KeywordService_CountSearchSettingsForContext_InputMessage">
        <wsdl:part name="parameters" element="tns:CountSearchSettingsForContext" />
    </wsdl:message>
    <wsdl:message
name="KeywordService_CountSearchSettingsForContext_OutputMessage">
        <wsdl:part name="parameters" element="tns:CountSearchSettingsForContextResponse" />
    </wsdl:message>
    <wsdl:message
name="KeywordService_CountSearchSettingsForContext_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetNamedContext_InputMessage">
        <wsdl:part name="parameters" element="tns:GetNamedContext" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetNamedContext_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetNamedContextResponse" />
    </wsdl:message>
    <wsdl:message
name="KeywordService_GetNamedContext_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
name="KeywordService_GetNamedContextForSearchSetting_InputMessage">
        <wsdl:part name="parameters" element="tns:GetNamedContextForSearchSetting" />
    </wsdl:message>
    <wsdl:message
name="KeywordService_GetNamedContextForSearchSetting_OutputMessage">
        <wsdl:part name="parameters"
            element="tns:GetNamedContextForSearchSettingResponse" />
    </wsdl:message>
    <wsdl:message
name="KeywordService_GetNamedContextForSearchSetting_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_AddContext_InputMessage">
        <wsdl:part name="parameters" element="tns:AddContext" />
    </wsdl:message>
    <wsdl:message name="KeywordService_AddContext_OutputMessage">
        <wsdl:part name="parameters" element="tns:AddContextResponse" />
    </wsdl:message>
    <wsdl:message
name="KeywordService_AddContext_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_CountContextsByCriteria_InputMessage">
        <wsdl:part name="parameters" element="tns:CountContextsByCriteria" />
    </wsdl:message>
    <wsdl:message name="KeywordService_CountContextsByCriteria_OutputMessage">

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        <wsdl:part name="parameters" element="tns:CountContextsByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountContextsByCriteria_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountContextsForSearchSetting_InputMessage">
        <wsdl:part name="parameters" element="tns:CountContextsForSearchSetting" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountContextsForSearchSetting_OutputMessage">
        <wsdl:part name="parameters" element="tns:CountContextsForSearchSettingResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountContextsForSearchSetting_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveNamedContext_InputMessage">
        <wsdl:part name="parameters" element="tns:RemoveNamedContext" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveNamedContext_OutputMessage">
        <wsdl:part name="parameters" element="tns:RemoveNamedContextResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveNamedContext_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveContextsByCriteria_InputMessage">
        <wsdl:part name="parameters" element="tns:RemoveContextsByCriteria" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveContextsByCriteria_OutputMessage">
        <wsdl:part name="parameters" element="tns:RemoveContextsByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveContextsByCriteria_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetContextsPagedResult_InputMessage">
        <wsdl:part name="parameters" element="tns:GetContextsPagedResult" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetContextsPagedResult_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetContextsPagedResultResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetContextsPagedResult_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>

    <wsdl:portType name="KeywordService">
        <wsdl:operation name="DetachNamedContextFromSearchSetting">
            <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
NamedContextFromSearchSetting"
                message="tns:KeywordService_DetachNamedContextFromSearchSetting_InputMessage" />
            <wsdl:output

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
NamedContextFromSearchSettingResponse"
    message="tns:KeywordService_DetachNamedContextFromSearchSetting_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
NamedContextFromSearchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_DetachNamedContextFromSearchSetting_AdminExceptionWCFFault_FaultM
essage" />
</wsdl:operation>
<wsdl:operation name="AttachNamedContextToSearchSetting">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Attach
NamedContextToSearchSetting"
    message="tns:KeywordService_AttachNamedContextToSearchSetting_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Attach
NamedContextToSearchSettingResponse"
    message="tns:KeywordService_AttachNamedContextToSearchSetting_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Attach
NamedContextToSearchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_AttachNamedContextToSearchSetting_AdminExceptionWCFFault_FaultMes
sage" />
</wsdl:operation>
<wsdl:operation name="AttachContextToSearchSetting">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Attach
ContextToSearchSetting"
    message="tns:KeywordService_AttachContextToSearchSetting_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Attach
ContextToSearchSettingResponse"
    message="tns:KeywordService_AttachContextToSearchSetting_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Attach
ContextToSearchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_AttachContextToSearchSetting_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="UpdateContext">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
Context"
    message="tns:KeywordService_UpdateContext_InputMessage" />
<wsdl:output

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
ContextResponse"
    message="tns:KeywordService_UpdateContext_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
ContextAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_UpdateContext_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="DetachContextFromSearchSetting">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextFromSearchSetting"
    message="tns:KeywordService_DetachContextFromSearchSetting_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextFromSearchSettingResponse"
    message="tns:KeywordService_DetachContextFromSearchSetting_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextFromSearchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_DetachContextFromSearchSetting_AdminExceptionWCFFault_FaultMessag
e" />
</wsdl:operation>
<wsdl:operation name="CreateAggregateContextExpressionRoot">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Create
AggregateContextExpressionRoot"
    message="tns:KeywordService_CreateAggregateContextExpressionRoot_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Create
AggregateContextExpressionRootResponse"
    message="tns:KeywordService_CreateAggregateContextExpressionRoot_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Create
AggregateContextExpressionRootAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_CreateAggregateContextExpressionRoot_AdminExceptionWCFFault_Fault
Message" />
</wsdl:operation>
<wsdl:operation name="RemoveContextExpressionSubtree">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtree"
    message="tns:KeywordService_RemoveContextExpressionSubtree_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtreeResponse"

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        message="tns:KeywordService_RemoveContextExpressionSubtree_OutputMessage" />
    </wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtreeAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveContextExpressionSubtree_AdminExceptionWCFFault_FaultMessag
e" />
    </wsdl:operation>
    <wsdl:operation name="ContainsContextExpression">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Contai
nsContextExpression"
    message="tns:KeywordService_ContainsContextExpression_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Contai
nsContextExpressionResponse"
    message="tns:KeywordService_ContainsContextExpression_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Contai
nsContextExpressionAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_ContainsContextExpression_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="RemoveContextExpressionSubtreeIncludingParent">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtreeIncludingParent"

message="tns:KeywordService_RemoveContextExpressionSubtreeIncludingParent_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtreeIncludingParentResponse"

message="tns:KeywordService_RemoveContextExpressionSubtreeIncludingParent_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtreeIncludingParentAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveContextExpressionSubtreeIncludingParent_AdminExceptionWCFFa
ult_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetContextExpressionCount">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCon
textExpressionCount"
    message="tns:KeywordService_GetContextExpressionCount_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCon
textExpressionCountResponse"

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        message="tns:KeywordService_GetContextExpressionCount_OutputMessage" />
    </wsdl:fault>

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionCountAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

    message="tns:KeywordService_GetContextExpressionCount_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="AddContextExpressionAggregateNode">
        <wsdl:input

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAggregateNode"
        message="tns:KeywordService_AddContextExpressionAggregateNode_InputMessage" />
    </wsdl:output>

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAggregateNodeResponse"
        message="tns:KeywordService_AddContextExpressionAggregateNode_OutputMessage" />
    </wsdl:fault>

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAggregateNodeAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

    message="tns:KeywordService_AddContextExpressionAggregateNode_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="AddContextExpressionAtomicNode">
        <wsdl:input

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAtomicNode"
        message="tns:KeywordService_AddContextExpressionAtomicNode_InputMessage" />
    </wsdl:output>

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAtomicNodeResponse"
        message="tns:KeywordService_AddContextExpressionAtomicNode_OutputMessage" />
    </wsdl:fault>

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAtomicNodeAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

    message="tns:KeywordService_AddContextExpressionAtomicNode_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetContextExpressionTree">
        <wsdl:input

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionTree"
        message="tns:KeywordService_GetContextExpressionTree_InputMessage" />
    </wsdl:output>

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionTreeResponse"
        message="tns:KeywordService_GetContextExpressionTree_OutputMessage" />
    </wsdl:fault>

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionTreeAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_GetContextExpressionTree_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="RemoveKeywordsByCriteria">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordsByCriteria"
    message="tns:KeywordService_RemoveKeywordsByCriteria_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordsByCriteriaResponse"
    message="tns:KeywordService_RemoveKeywordsByCriteria_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordsByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="CountKeywordsByCriteria">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKeywordsByCriteria"
    message="tns:KeywordService_CountKeywordsByCriteria_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKeywordsByCriteriaResponse"
    message="tns:KeywordService_CountKeywordsByCriteria_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKeywordsByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_CountKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetKeywordByCriteria">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordByCriteria"
    message="tns:KeywordService_GetKeywordByCriteria_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordByCriteriaResponse"
    message="tns:KeywordService_GetKeywordByCriteria_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

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        message="tns:KeywordService_GetKeywordByCriteria_AdminExceptionWCFFault_FaultMessage"
    />
    </wsdl:operation>
    <wsdl:operation name="RemoveKeywordByCriteria">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
KeywordByCriteria"
        message="tns:KeywordService_RemoveKeywordByCriteria_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
KeywordByCriteriaResponse"
        message="tns:KeywordService_RemoveKeywordByCriteria_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
KeywordByCriteria_AdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveKeywordByCriteria_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="AddKeyword">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKey
word"
        message="tns:KeywordService_AddKeyword_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKey
wordResponse"
        message="tns:KeywordService_AddKeyword_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKey
word_AdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:KeywordService_AddKeyword_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetKeywordPagedResult">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKey
wordPagedResult"
        message="tns:KeywordService_GetKeywordPagedResult_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKey
wordPagedResultResponse"
        message="tns:KeywordService_GetKeywordPagedResult_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKey
wordPagedResult_AdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:KeywordService_GetKeywordPagedResult_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="UpdateKeyword">
        <wsdl:input

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
Keyword"
    message="tns:KeywordService_UpdateKeyword_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
KeywordResponse"
    message="tns:KeywordService_UpdateKeyword_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
KeywordAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_UpdateKeyword_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="AddSearchSettingGroup">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSea
rchSettingGroup"
    message="tns:KeywordService_AddSearchSettingGroup_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSea
rchSettingGroupResponse"
    message="tns:KeywordService_AddSearchSettingGroup_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSea
rchSettingGroupAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_AddSearchSettingGroup_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetNamedSearchSettingGroup">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNam
edSearchSettingGroup"
    message="tns:KeywordService_GetNamedSearchSettingGroup_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNam
edSearchSettingGroupResponse"
    message="tns:KeywordService_GetNamedSearchSettingGroup_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNam
edSearchSettingGroupAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_GetNamedSearchSettingGroup_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="UpdateSearchSettingGroup">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
SearchSettingGroup"
    message="tns:KeywordService_UpdateSearchSettingGroup_InputMessage" />

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        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
SearchSettingGroupResponse"
    message="tns:KeywordService_UpdateSearchSettingGroup_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
SearchSettingGroupAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_UpdateSearchSettingGroup_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="RemoveSearchSettingGroups">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingGroups"
    message="tns:KeywordService_RemoveSearchSettingGroups_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingGroupsResponse"
    message="tns:KeywordService_RemoveSearchSettingGroups_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingGroupsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveSearchSettingGroups_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="RemoveSearchSettingGroupById">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingGroupById"
    message="tns:KeywordService_RemoveSearchSettingGroupById_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingGroupByIdResponse"
    message="tns:KeywordService_RemoveSearchSettingGroupById_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingGroupByIdAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveSearchSettingGroupById_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="RemoveNamedSearchSettingGroup">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedSearchSettingGroup"
    message="tns:KeywordService_RemoveNamedSearchSettingGroup_InputMessage" />
    <wsdl:output

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedSearchSettingGroupResponse"
    message="tns:KeywordService_RemoveNamedSearchSettingGroup_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedSearchSettingGroupAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveNamedSearchSettingGroup_AdminExceptionWCFFault_FaultMessage
" />
</wsdl:operation>
<wsdl:operation name="CountSearchSettingGroups">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountS
earchSettingGroups"
    message="tns:KeywordService_CountSearchSettingGroups_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountS
earchSettingGroupsResponse"
    message="tns:KeywordService_CountSearchSettingGroups_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountS
earchSettingGroupsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_CountSearchSettingGroups_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetSearchSettingGroups">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSea
rchSettingGroups"
    message="tns:KeywordService_GetSearchSettingGroups_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSea
rchSettingGroupsResponse"
    message="tns:KeywordService_GetSearchSettingGroups_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSea
rchSettingGroupsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_GetSearchSettingGroups_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="RemovePromotedItem">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
PromotedItem"
    message="tns:KeywordService_RemovePromotedItem_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
PromotedItemResponse"

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        message="tns:KeywordService_RemovePromotedItem_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
PromotedItemAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemovePromotedItem_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="CountPromotedItems">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountP
romotedItems"
    message="tns:KeywordService_CountPromotedItems_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountP
romotedItemsResponse"
    message="tns:KeywordService_CountPromotedItems_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountP
romotedItemsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_CountPromotedItems_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="RemovePromotedItems">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
PromotedItems"
    message="tns:KeywordService_RemovePromotedItems_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
PromotedItemsResponse"
    message="tns:KeywordService_RemovePromotedItems_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
PromotedItemsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemovePromotedItems_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="ContainsPromotedItem">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Contai
nsPromotedItem"
    message="tns:KeywordService_ContainsPromotedItem_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Contai
nsPromotedItemResponse"
    message="tns:KeywordService_ContainsPromotedItem_OutputMessage" />
    <wsdl:fault

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsPromotedItemAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_ContainsPromotedItem_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="AddPromotedItem">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddPromotedItem"
    message="tns:KeywordService_AddPromotedItem_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddPromotedItemResponse"
    message="tns:KeywordService_AddPromotedItem_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddPromotedItemAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_AddPromotedItem_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="UpdatePromotedItem">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdatePromotedItem"
    message="tns:KeywordService_UpdatePromotedItem_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdatePromotedItemResponse"
    message="tns:KeywordService_UpdatePromotedItem_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdatePromotedItemAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_UpdatePromotedItem_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="GetPromotionPagedResult">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotionPagedResult"
    message="tns:KeywordService_GetPromotionPagedResult_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotionPagedResultResponse"
    message="tns:KeywordService_GetPromotionPagedResult_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotionPagedResultAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

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message="tns:KeywordService_GetPromotionPagedResult_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetPromotedItems">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedItems"
  message="tns:KeywordService_GetPromotedItems_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedItemsResponse"
  message="tns:KeywordService_GetPromotedItems_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedItemsAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"
  message="tns:KeywordService_GetPromotedItems_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetPromotedDocuments">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedDocuments"
  message="tns:KeywordService_GetPromotedDocuments_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedDocumentsResponse"
  message="tns:KeywordService_GetPromotedDocuments_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedDocumentsAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"
  message="tns:KeywordService_GetPromotedDocuments_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="GetPromotedExpressions">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedExpressions"
  message="tns:KeywordService_GetPromotedExpressions_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedExpressionsResponse"
  message="tns:KeywordService_GetPromotedExpressions_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedExpressionsAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"

message="tns:KeywordService_GetPromotedExpressions_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetPromotedLocations">
  <wsdl:input

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedLocations"
    message="tns:KeywordService_GetPromotedLocations_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedLocationsResponse"
    message="tns:KeywordService_GetPromotedLocations_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedLocationsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetPromotedLocations_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="GetBestBetPagedResult">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBestBetPagedResult"
    message="tns:KeywordService_GetBestBetPagedResult_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBestBetPagedResultResponse"
    message="tns:KeywordService_GetBestBetPagedResult_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBestBetPagedResultAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_GetBestBetPagedResult_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetFeaturedContentPagedResult">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFeaturedContentPagedResult"
    message="tns:KeywordService_GetFeaturedContentPagedResult_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFeaturedContentPagedResultResponse"
    message="tns:KeywordService_GetFeaturedContentPagedResult_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFeaturedContentPagedResultAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_GetFeaturedContentPagedResult_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="AddSynonym">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSynonym"

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        message="tns:KeywordService_AddSynonym_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSynonymResponse"
    message="tns:KeywordService_AddSynonym_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSynonymAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_AddSynonym_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="CountSearchSettingsByCriteria">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsByCriteria"
    message="tns:KeywordService_CountSearchSettingsByCriteria_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsByCriteriaResponse"
    message="tns:KeywordService_CountSearchSettingsByCriteria_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_CountSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="ContainsSearchSettingByCriteria">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteria"
    message="tns:KeywordService_ContainsSearchSettingByCriteria_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteriaResponse"
    message="tns:KeywordService_ContainsSearchSettingByCriteria_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_ContainsSearchSettingByCriteria_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="ContainsSearchSettingById">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingById"
    message="tns:KeywordService_ContainsSearchSettingById_InputMessage" />
    <wsdl:output

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByIdResponse"
    message="tns:KeywordService_ContainsSearchSettingById_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByIdAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_ContainsSearchSettingById_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="RemoveSearchSettingsByCriteria">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteria"
    message="tns:KeywordService_RemoveSearchSettingsByCriteria_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteriaResponse"
    message="tns:KeywordService_RemoveSearchSettingsByCriteria_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="RemoveSearchSetting">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSetting"
    message="tns:KeywordService_RemoveSearchSetting_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingResponse"
    message="tns:KeywordService_RemoveSearchSetting_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemoveSearchSetting_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="RemoveNamedSearchSettingByType">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedSearchSettingByType"
    message="tns:KeywordService_RemoveNamedSearchSettingByType_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedSearchSettingByTypeResponse"

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        message="tns:KeywordService_RemoveNamedSearchSettingByType_OutputMessage" />
    </wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedSearchSettingByTypeAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveNamedSearchSettingByType_AdminExceptionWCFFault_FaultMessag
e" />
    </wsdl:operation>
    <wsdl:operation name="AddSearchSetting">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSea
rchSetting"
    message="tns:KeywordService_AddSearchSetting_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSea
rchSettingResponse"
    message="tns:KeywordService_AddSearchSetting_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSea
rchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_AddSearchSetting_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetSearchSettingByNameAndType">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSea
rchSettingByNameAndType"
    message="tns:KeywordService_GetSearchSettingByNameAndType_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSea
rchSettingByNameAndTypeResponse"
    message="tns:KeywordService_GetSearchSettingByNameAndType_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSea
rchSettingByNameAndTypeAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_GetSearchSettingByNameAndType_AdminExceptionWCFFault_FaultMessage
" />
    </wsdl:operation>
    <wsdl:operation name="CountSearchSettingsForGroupByCriteria">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Counts
earchSettingsForGroupByCriteria"
    message="tns:KeywordService_CountSearchSettingsForGroupByCriteria_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Counts
earchSettingsForGroupByCriteriaResponse"
    message="tns:KeywordService_CountSearchSettingsForGroupByCriteria_OutputMessage" />
    <wsdl:fault

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForGroupByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_CountSearchSettingsForGroupByCriteria_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetSynonymPagedResult">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSynonymPagedResult"
    message="tns:KeywordService_GetSynonymPagedResult_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSynonymPagedResultResponse"
    message="tns:KeywordService_GetSynonymPagedResult_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSynonymPagedResultAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_GetSynonymPagedResult_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="UpdateSearchSetting">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSetting"
    message="tns:KeywordService_UpdateSearchSetting_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSettingResponse"
    message="tns:KeywordService_UpdateSearchSetting_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_UpdateSearchSetting_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="GetSearchSettingPagedResult">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingPagedResult"
    message="tns:KeywordService_GetSearchSettingPagedResult_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingPagedResultResponse"
    message="tns:KeywordService_GetSearchSettingPagedResult_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingPagedResultAdminExceptionWCFFault"

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        name="AdminExceptionWCFFault"

message="tns:KeywordService_GetSearchSettingPagedResult_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="RemoveSearchSettingsFromGroupByCriteria">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingsFromGroupByCriteria"
        message="tns:KeywordService_RemoveSearchSettingsFromGroupByCriteria_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingsFromGroupByCriteriaResponse"
        message="tns:KeywordService_RemoveSearchSettingsFromGroupByCriteria_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingsFromGroupByCriteriaAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveSearchSettingsFromGroupByCriteria_AdminExceptionWCFFault_Fa
ultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetEmptyKeyword">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmp
tyKeyword"
        message="tns:KeywordService_GetEmptyKeyword_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmp
tyKeywordResponse"
        message="tns:KeywordService_GetEmptyKeyword_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmp
tyKeywordAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:KeywordService_GetEmptyKeyword_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="CountSearchSettingsForContext">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountS
earchSettingsForContext"
        message="tns:KeywordService_CountSearchSettingsForContext_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountS
earchSettingsForContextResponse"
        message="tns:KeywordService_CountSearchSettingsForContext_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountS
earchSettingsForContextAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

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message="tns:KeywordService_CountSearchSettingsForContext_AdminExceptionWCFFault_FaultMessage"
"/>
</wsdl:operation>
<wsdl:operation name="GetNamedContext">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContext"
  message="tns:KeywordService_GetNamedContext_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextResponse"
  message="tns:KeywordService_GetNamedContext_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"
  message="tns:KeywordService_GetNamedContext_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetNamedContextForSearchSetting">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextForSearchSetting"
  message="tns:KeywordService_GetNamedContextForSearchSetting_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextForSearchSettingResponse"
  message="tns:KeywordService_GetNamedContextForSearchSetting_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextForSearchSettingAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"

message="tns:KeywordService_GetNamedContextForSearchSetting_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="AddContext">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContext"
  message="tns:KeywordService_AddContext_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextResponse"
  message="tns:KeywordService_AddContext_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"
  message="tns:KeywordService_AddContext_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="CountContextsByCriteria">

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        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountC
ontextsByCriteria"
    message="tns:KeywordService_CountContextsByCriteria_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountC
ontextsByCriteriaResponse"
    message="tns:KeywordService_CountContextsByCriteria_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountC
ontextsByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_CountContextsByCriteria_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="CountContextsForSearchSetting">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountC
ontextsForSearchSetting"
    message="tns:KeywordService_CountContextsForSearchSetting_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountC
ontextsForSearchSettingResponse"
    message="tns:KeywordService_CountContextsForSearchSetting_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountC
ontextsForSearchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_CountContextsForSearchSetting_AdminExceptionWCFFault_FaultMessage
" />
    </wsdl:operation>
    <wsdl:operation name="RemoveNamedContext">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedContext"
    message="tns:KeywordService_RemoveNamedContext_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedContextResponse"
    message="tns:KeywordService_RemoveNamedContext_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedContextAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemoveNamedContext_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="RemoveContextsByCriteria">
        <wsdl:input

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextsByCriteria"
    message="tns:KeywordService_RemoveContextsByCriteria_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextsByCriteriaResponse"
    message="tns:KeywordService_RemoveContextsByCriteria_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextsByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveContextsByCriteria_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetContextsPagedResult">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCon
textsPagedResult"
    message="tns:KeywordService_GetContextsPagedResult_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCon
textsPagedResultResponse"
    message="tns:KeywordService_GetContextsPagedResult_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCon
textsPagedResultAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_GetContextsPagedResult_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="DetachContextsFromSearchSetting">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextsFromSearchSetting"
    message="tns:KeywordService_DetachContextsFromSearchSetting_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextsFromSearchSettingResponse"
    message="tns:KeywordService_DetachContextsFromSearchSetting_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextsFromSearchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_DetachContextsFromSearchSetting_AdminExceptionWCFFault_FaultMessa
ge" />
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="BasicHttpBinding_KeywordService" type="tns:KeywordService">
<wsp:PolicyReference URI="#BasicHttpBinding_KeywordService_policy"/>
<soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>    <wsdl:operation
name="DetachNamedContextFromSearchSetting">

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        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachN
amedContextFromSearchSetting"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="AttachNamedContextToSearchSetting">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachN
amedContextToSearchSetting"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="AttachContextToSearchSetting">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachC
ontextToSearchSetting"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="UpdateContext">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateC
ontext"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">

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        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DetachContextFromSearchSetting">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachContextFromSearchSetting"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="CreateAggregateContextExpressionRoot">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CreateAggregateContextExpressionRoot"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="RemoveContextExpressionSubtree">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextExpressionSubtree"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="ContainsContextExpression">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsContextExpression"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>

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        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveContextExpressionSubtreeIncludingParent">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextExpressionSubtreeIncludingParent"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetContextExpressionCount">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionCount"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="AddContextExpressionAggregateNode">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAggregateNode"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="AddContextExpressionAtomicNode">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAtomicNode"

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        style="document" />
<wsdl:input>
  <soap12:body use="literal" />
</wsdl:input>
<wsdl:output>
  <soap12:body use="literal" />
</wsdl:output>
<wsdl:fault name="AdminExceptionWCFFault">
  <soap12:fault name="AdminExceptionWCFFault" use="literal" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetContextExpressionTree">
  <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCont
extExpressionTree"
  style="document" />
<wsdl:input>
  <soap12:body use="literal" />
</wsdl:input>
<wsdl:output>
  <soap12:body use="literal" />
</wsdl:output>
<wsdl:fault name="AdminExceptionWCFFault">
  <soap12:fault name="AdminExceptionWCFFault" use="literal" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemoveKeywordsByCriteria">
  <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveK
eywordsByCriteria"
  style="document" />
<wsdl:input>
  <soap12:body use="literal" />
</wsdl:input>
<wsdl:output>
  <soap12:body use="literal" />
</wsdl:output>
<wsdl:fault name="AdminExceptionWCFFault">
  <soap12:fault name="AdminExceptionWCFFault" use="literal" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CountKeywordsByCriteria">
  <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKe
ywordsByCriteria"
  style="document" />
<wsdl:input>
  <soap12:body use="literal" />
</wsdl:input>
<wsdl:output>
  <soap12:body use="literal" />
</wsdl:output>
<wsdl:fault name="AdminExceptionWCFFault">
  <soap12:fault name="AdminExceptionWCFFault" use="literal" />
</wsdl:fault>
</wsdl:operation>

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        <wsdl:operation name="GetKeywordByCriteria">
            <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeyw
ordByCriteria"
                style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="GetEmptyKeyword">
            <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmpt
yKeyword"
                style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="RemoveKeywordByCriteria">
            <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveK
eywordByCriteria"
                style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="AddKeyword">
            <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKeyw
ord"
                style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>

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```
<wsdl:fault name="AdminExceptionWCFFault">  
    <soap12:fault name="AdminExceptionWCFFault" use="literal" />  
</wsdl:fault>  
</wsdl:operation>  
<wsdl:operation name="GetKeywordPagedResult">  
    <soap12:operation  
  
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeyw  
ordPagedResult"  
        style="document" />  
    <wsdl:input>  
        <soap12:body use="literal" />  
    </wsdl:input>  
    <wsdl:output>  
        <soap12:body use="literal" />  
    </wsdl:output>  
    <wsdl:fault name="AdminExceptionWCFFault">  
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />  
    </wsdl:fault>  
</wsdl:operation>  
<wsdl:operation name="UpdateKeyword">  
    <soap12:operation  
  
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateK  
eyword"  
        style="document" />  
    <wsdl:input>  
        <soap12:body use="literal" />  
    </wsdl:input>  
    <wsdl:output>  
        <soap12:body use="literal" />  
    </wsdl:output>  
    <wsdl:fault name="AdminExceptionWCFFault">  
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />  
    </wsdl:fault>  
</wsdl:operation>  
<wsdl:operation name="AddSearchSettingGroup">  
    <soap12:operation  
  
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSear  
chSettingGroup"  
        style="document" />  
    <wsdl:input>  
        <soap12:body use="literal" />  
    </wsdl:input>  
    <wsdl:output>  
        <soap12:body use="literal" />  
    </wsdl:output>  
    <wsdl:fault name="AdminExceptionWCFFault">  
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />  
    </wsdl:fault>  
</wsdl:operation>  
<wsdl:operation name="GetNamedSearchSettingGroup">  
    <soap12:operation  
  
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetName  
dSearchSettingGroup"  
        style="document" />  
    <wsdl:input>  
        <soap12:body use="literal" />
```

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        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="UpdateSearchSettingGroup">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdatesSearchSettingGroup"
        style="document" />
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            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveSearchSettingGroups">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroups"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveSearchSettingGroupById">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupById"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveNamedSearchSettingGroup">
        <soap12:operation

```

```

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveN
amedSearchSettingGroup"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CountSearchSettingGroups">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSe
archSettingGroups"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetSearchSettingGroups">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSear
chSettingGroups"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemovePromotedItem">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveP
romotedItem"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />

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        </wsdl:fault>
      </wsdl:operation>
      <wsdl:operation name="CountPromotedItems">
        <soap12:operation
          style="document" />
        <wsdl:input>
          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
      <wsdl:operation name="RemovePromotedItems">
        <soap12:operation
          style="document" />
        <wsdl:input>
          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
      <wsdl:operation name="ContainsPromotedItem">
        <soap12:operation
          style="document" />
        <wsdl:input>
          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
      <wsdl:operation name="AddPromotedItem">
        <soap12:operation
          style="document" />
        <wsdl:input>
          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>

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        <wsdl:input>
          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
    <wsdl:operation name="GetPromotedExpressions">
      <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedExpressions"
        style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetPromotedLocations">
      <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedLocations"
        style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetBestBetPagedResult">
      <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBestBetPagedResult"
        style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetFeaturedContentPagedResult">

```

```

        <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFeaturedContentPagedResult"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="AddSynonym">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSynonym"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CountSearchSettingsByCriteria">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsByCriteria"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="ContainsSearchSettingByCriteria">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteria"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">

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        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ContainsSearchSettingById">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingById"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="RemoveSearchSettingsByCriteria">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteria"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="RemoveSearchSetting">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSetting"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="RemoveNamedSearchSettingByType">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedSearchSettingByType"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>

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        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="AddSearchSetting">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSetting"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetSearchSettingByNameAndType">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingByNameAndType"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CountSearchSettingsForGroupByCriteria">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForGroupByCriteria"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetSynonymPagedResult">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSynonymPagedResult"

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        style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="UpdateSearchSetting">
      <soap12:operation
        style="document" />
        <wsdl:input>
          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
      <wsdl:operation name="GetSearchSettingPagedResult">
        <soap12:operation
          style="document" />
          <wsdl:input>
            <soap12:body use="literal" />
          </wsdl:input>
          <wsdl:output>
            <soap12:body use="literal" />
          </wsdl:output>
          <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
          </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="RemoveSearchSettingsFromGroupByCriteria">
          <soap12:operation
            style="document" />
            <wsdl:input>
              <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
              <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
              <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
          </wsdl:operation>
        </wsdl:operation>
      </wsdl:operation>
    </wsdl:operation>
  </wsdl:operations>
</wsdl:service>

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```

        <wsdl:operation name="CountSearchSettingsForContext">
            <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSe
archSettingsForContext"
            style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="GetNamedContext">
            <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetName
dContext"
            style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="GetNamedContextForSearchSetting">
            <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetName
dContextForSearchSetting"
            style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="AddContext">
            <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddCont
ext"
            style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>

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        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CountContextsByCriteria">
        <soap12:operation
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CountContextsForSearchSetting">
        <soap12:operation
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveNamedContext">
        <soap12:operation
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveContextsByCriteria">
        <soap12:operation
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />

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        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetContextsPagedResult">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCont
extsPagedResult"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DetachContextsFromSearchSetting">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachC
ontextsFromSearchSetting"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
</wsdl:binding>

<wsdl:definitions name="KeywordServiceImpl"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
    xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
    xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-
1.0.xsd"
    xmlns:msa="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:tns="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
    xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/">
    <wsp:Policy wsu:Id="BasicHttpBinding_KeywordService_policy">
        <wsp:ExactlyOne>
            <wsp:All>
                <http:NtlmAuthentication/>
            </wsp:All>
        </wsp:ExactlyOne>
    </wsp:Policy>

```

```

</wsp:ExactlyOne>
</wsp:Policy>

<wsp:Policy wsu:Id="BasicHttpBinding_KeywordServiceSecure_policy">
  <wsp:ExactlyOne>
    <wsp:All>
      <http:NtlmAuthentication/>
      <sp:TransportBinding>
        <wsp:Policy>
          <sp:TransportToken>
            <wsp:Policy>
              <sp:HttpsToken RequireClientCertificate="false"/>
            </wsp:Policy>
          </sp:TransportToken>
          <sp:AlgorithmSuite>
            <wsp:Policy>
              <sp:Basic256/>
            </wsp:Policy>
          </sp:AlgorithmSuite>
          <sp:Layout>
            <wsp:Policy>
              <sp:Strict/>
            </wsp:Policy>
          </sp:Layout>
        </wsp:Policy>
      </sp:TransportBinding>
    </wsp:All>
  </wsp:ExactlyOne>
</wsp:Policy>
<wsdl:types>

  <xsd:schema elementFormDefault="qualified"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration">
    <xsd:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
    <xsd:import
      namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />

    <xsd:complexType name="PromotedExpressionDTO" mixed="true">
      <xsd:complexContent>
        <xsd:extension base="tns:PromotedItemDTO">
          <xsd:sequence />
        </xsd:extension>
      </xsd:complexContent>
    </xsd:complexType>

    <xsd:complexType name="PromotedItemDTO" mixed="true">
      <xsd:complexContent>
        <xsd:extension base="tns:CommonDTOMembers">
          <xsd:sequence>
            <xsd:element minOccurs="0" name="PromotedItemSpec"
              nillable="true" type="xsd:string" />
            <xsd:element minOccurs="0" name="PromotedItemType"
              type="tns:KeywordItemType" />
            <xsd:element minOccurs="0" name="PromotionId" type="xsd:long" />
          </xsd:sequence>
        </xsd:extension>
      </xsd:complexContent>
    </xsd:complexType>
  </xsd:schema>

```

```

<xsd:complexType name="CommonDTOMembers" mixed="true">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="Description" nillable="true"
      type="xsd:string" />
    <xsd:element minOccurs="0" name="Group" nillable="true"
      type="tns:SearchSettingGroupDTO" />
    <xsd:element minOccurs="0" name="Id" type="xsd:long" />
    <xsd:element minOccurs="0" name="LastChanged" type="xsd:dateTime" />
    <xsd:element minOccurs="0" name="Name" nillable="true"
      type="xsd:string" />
  </xsd:sequence>
  <xsd:attribute ref="ser:Id" />
  <xsd:attribute ref="ser:Ref" />
</xsd:complexType>

<xsd:simpleType name="KeywordItemType">
  <xsd:annotation>
    <xsd:appinfo>
      <ActualType Name="unsignedByte" Namespace="http://www.w3.org/2001/XMLSchema"
        xmlns="http://schemas.microsoft.com/2003/10/Serialization/" />
    </xsd:appinfo>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Synonym">
      <xsd:annotation>
        <xsd:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
          </xsd:appinfo>
        </xsd:annotation>
      </xsd:enumeration>
    <xsd:enumeration value="Promotion">
      <xsd:annotation>
        <xsd:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
          </xsd:appinfo>
        </xsd:annotation>
      </xsd:enumeration>
    <xsd:enumeration value="BestBet">
      <xsd:annotation>
        <xsd:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">3</EnumerationValue>
          </xsd:appinfo>
        </xsd:annotation>
      </xsd:enumeration>
    <xsd:enumeration value="FeaturedContent">
      <xsd:annotation>
        <xsd:appinfo>
          <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">4</EnumerationValue>
          </xsd:appinfo>
        </xsd:annotation>
      </xsd:enumeration>
    </xsd:restriction>
  </xsd:simpleType>

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        <xsd:enumeration value="SearchSettingGroup">
          <xsd:annotation>
            <xsd:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">5</EnumerationValue>
            </xsd:appinfo>
          </xsd:annotation>
        </xsd:enumeration>
        <xsd:enumeration value="Keyword">
          <xsd:annotation>
            <xsd:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">6</EnumerationValue>
            </xsd:appinfo>
          </xsd:annotation>
        </xsd:enumeration>
        <xsd:enumeration value="Context">
          <xsd:annotation>
            <xsd:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">7</EnumerationValue>
            </xsd:appinfo>
          </xsd:annotation>
        </xsd:enumeration>
        <xsd:enumeration value="PromotedDocument">
          <xsd:annotation>
            <xsd:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">8</EnumerationValue>
            </xsd:appinfo>
          </xsd:annotation>
        </xsd:enumeration>
        <xsd:enumeration value="PromotedLocation">
          <xsd:annotation>
            <xsd:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">9</EnumerationValue>
            </xsd:appinfo>
          </xsd:annotation>
        </xsd:enumeration>
        <xsd:enumeration value="PromotedExpression">
          <xsd:annotation>
            <xsd:appinfo>
              <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">10</EnumerationValue>
            </xsd:appinfo>
          </xsd:annotation>
        </xsd:enumeration>
        <xsd:enumeration value="SearchSetting">
          <xsd:annotation>
            <xsd:appinfo>
              <EnumerationValue

```

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xmlns="http://schemas.microsoft.com/2003/10/Serialization/">11</EnumerationValue>
    </xsd:appinfo>
  </xsd:annotation>
</xsd:enumeration>
</xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="SynonymDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:SearchSettingDTO">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="ContextId" nillable="true"
          type="xsd:long" />
        <xsd:element minOccurs="0" name="ExpansionType"
          type="tns:SynonymExpansionType" />
        <xsd:element minOccurs="0" name="Term" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="SearchSettingDTO" mixed="true">
  <xsd:complexContent>
    <xsd:extension base="tns:CommonDTOMembers">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="Contexts" nillable="true"
          type="tns:ArrayOfContextDTO" />
        <xsd:element minOccurs="0" name="ValidFrom" nillable="true"
          type="xsd:dateTime" />
        <xsd:element minOccurs="0" name="ValidTo" nillable="true"
          type="xsd:dateTime" />
        <xsd:element minOccurs="0" name="keyword" nillable="true"
          type="tns:KeywordDTO" />
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

<xsd:simpleType name="SynonymExpansionType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="OneWay" />
    <xsd:enumeration value="TwoWay" />
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="PromotedDocumentDTO" mixed="false">
  <xsd:complexContent mixed="false">
    <xsd:extension base="tns:PromotedItemDTO">
      <xsd:sequence />
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="PromotedLocationDTO" mixed="false">
  <xsd:complexContent mixed="false">
    <xsd:extension base="tns:PromotedItemDTO">
      <xsd:sequence />
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

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        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="BestBetDTO" mixed="false">
    <xsd:complexContent mixed="false">
        <xsd:extension base="tns:ManagedResultDTO">
            <xsd:sequence />
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="ManagedResultDTO" mixed="true">
    <xsd:complexContent>
        <xsd:extension base="tns:SearchSettingDTO">
            <xsd:sequence>
                <xsd:element minOccurs="0" name="Position" nillable="true"
                    type="xsd:short" />
                <xsd:element minOccurs="0" name="Teaser" nillable="true"
                    type="xsd:string" />
                <xsd:element minOccurs="0" name="TeaserContentType"
                    nillable="true" type="xsd:string" />
                <xsd:element minOccurs="0" name="Uri" nillable="true"
                    type="xsd:anyURI" />
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="FeaturedContentDTO" mixed="false">
    <xsd:complexContent mixed="false">
        <xsd:extension base="tns:ManagedResultDTO">
            <xsd:sequence />
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="PromotionDTO" mixed="true">
    <xsd:complexContent>
        <xsd:extension base="tns:SearchSettingDTO">
            <xsd:sequence>
                <xsd:element minOccurs="0" name="BoostValue" type="xsd:int" />
                <xsd:element minOccurs="0" name="PromotedItems"
                    nillable="true" type="tns:ArrayOfPromotedItemDTO" />
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="ContextExpressionDTO" mixed="true">
    <xsd:complexContent>
        <xsd:extension base="tns:CommonDTOMembers">
            <xsd:sequence>
                <xsd:element minOccurs="0" name="ContextId" type="xsd:long" />
                <xsd:element minOccurs="0" name="ExpressionType"
                    type="tns:ExpressionTypes" />
                <xsd:element minOccurs="0" name="Parent" nillable="true"
                    type="tns:ContextExpressionDTO" />
                <xsd:element minOccurs="0" name="Value" nillable="true"

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        type="xsd:string" />
    </xsd:sequence>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>

<xsd:simpleType name="ExpressionTypes">
    <xsd:annotation>
        <xsd:appinfo>
            <ActualType Name="unsignedByte" Namespace="http://www.w3.org/2001/XMLSchema"
                xmlns="http://schemas.microsoft.com/2003/10/Serialization/" />
        </xsd:appinfo>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="AND" />
        <xsd:enumeration value="NOT" />
        <xsd:enumeration value="OR" />
        <xsd:enumeration value="MATCH" />
    </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="ContextDTO" mixed="true">
    <xsd:complexContent>
        <xsd:extension base="tns:CommonDTOMembers">
            <xsd:sequence>
                <xsd:element minOccurs="0" name="ContextExpressionRoot"
                    nillable="true" type="tns:ContextExpressionDTO" />
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="KeywordDTO" mixed="true">
    <xsd:complexContent>
        <xsd:extension base="tns:CommonDTOMembers">
            <xsd:sequence>
                <xsd:element minOccurs="0" name="SearchSettings"
                    nillable="true" type="tns:ArrayOfSearchSettingDTO" />
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="SearchSettingGroupDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" name="Description" nillable="true"
            type="xsd:string" />
        <xsd:element minOccurs="0" name="Id" type="xsd:long" />
        <xsd:element minOccurs="0" name="LastChanged" type="xsd:dateTime" />
        <xsd:element minOccurs="0" name="Name" nillable="true"
            type="xsd:string" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="DetachNamedContextFromSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingId"
                type="xsd:long" />

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        <xsd:element minOccurs="0" name="contextName"
            nillable="true" type="xsd:string" />
        <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="DetachNamedContextFromSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="AdminExceptionWCF">
    <xsd:sequence>
        <xsd:element minOccurs="0" name="ErrorCode" nillable="true"
            type="xsd:string" />
        <xsd:element minOccurs="0" name="Values" nillable="true"
            type="msa:ArrayOfstring" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="AdminExceptionWCF" nillable="true"
    type="tns:AdminExceptionWCF" />

<xsd:element name="AttachNamedContextToSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingId"
                type="xsd:long" />
            <xsd:element minOccurs="0" name="contextName"
                nillable="true" type="xsd:string" />
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="AttachNamedContextToSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="AttachNamedContextToSearchSettingResult" nillable="true"
                type="tns:ContextDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="AttachContextToSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingId"
                type="xsd:long" />
            <xsd:element minOccurs="0" name="contextId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="AttachContextToSearchSettingResponse">
    <xsd:complexType>

```

```

        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="AttachContextToSearchSettingResult" type="xsd:dateTime" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateContext">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="context" nillable="true"
                type="tns:ContextDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateContextResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="UpdateContextResult"
                nillable="true" type="tns:ContextDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="DetachContextFromSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingId"
                type="xsd:long" />
            <xsd:element minOccurs="0" name="contextId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="DetachContextFromSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="DetachContextFromSearchSettingResult" type="xsd:dateTime" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateAggregateContextExpressionRoot">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="context" nillable="true"
                type="tns:ContextDTO" />
            <xsd:element minOccurs="0" name="type" type="tns:ExpressionTypes" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateAggregateContextExpressionRootResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="CreateAggregateContextExpressionRootResult" nillable="true"

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```

        type="tns:ContextExpressionDTO" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="RemoveContextExpressionSubtree">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveContextExpressionSubtreeResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="RemoveContextExpressionSubtreeResult" type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="ContainsContextExpression">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
            <xsd:element minOccurs="0" name="nodeId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="ContainsContextExpressionResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="ContainsContextExpressionResult" type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveContextExpressionSubtreeIncludingParent">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveContextExpressionSubtreeIncludingParentResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="RemoveContextExpressionSubtreeIncludingParentResult" type="xsd:boolean"
            />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetContextExpressionCount">

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```

    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetContextExpressionCountResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0"
          name="GetContextExpressionCountResult" type="xsd:int" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="AddContextExpressionAggregateNode">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="contextId" type="xsd:long" />
        <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
        <xsd:element minOccurs="0" name="type" type="tns:ExpressionTypes" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="AddContextExpressionAggregateNodeResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0"
          name="AddContextExpressionAggregateNodeResult" nillable="true"
          type="tns:ContextExpressionDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="AddContextExpressionAtomicNode">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="contextId" type="xsd:long" />
        <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
        <xsd:element minOccurs="0" name="key" nillable="true"
          type="xsd:string" />
        <xsd:element minOccurs="0" name="value" nillable="true"
          type="xsd:string" />
        <xsd:element minOccurs="0" name="type" type="tns:ExpressionTypes" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="AddContextExpressionAtomicNodeResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0"
          name="AddContextExpressionAtomicNodeResult" nillable="true"
          type="tns:ContextExpressionDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```



```

<xsd:element name="GetContextExpressionTree">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="parentId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetContextExpressionTreeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="GetContextExpressionTreeResult" nillable="true"
        type="tns:ArrayOfContextExpressionDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfContextExpressionDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded"
      name="ContextExpressionDTO" nillable="true" type="tns:ContextExpressionDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="RemoveKeywordsByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveKeywordsByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="CountKeywordsByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CountKeywordsByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CountKeywordsByCriteriaResult"
        type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

```

</xsd:element>

<xsd:element name="GetKeywordByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="keywordName"
        nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetKeywordByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetKeywordByCriteriaResult"
        nillable="true" type="tns:KeywordDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetEmptyKeyword">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetEmptyKeywordResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetEmptyKeywordResult"
        nillable="true" type="tns:KeywordDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveKeywordByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordName"
        nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveKeywordByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="AddKeyword">
  <xsd:complexType>
    <xsd:sequence>

```

```

        <xsd:element minOccurs="0" name="keyword" nillable="true"
            type="tns:KeywordDTO" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="AddKeywordResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="AddKeywordResult"
                nillable="true" type="tns:KeywordDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetKeywordPagedResult">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="field" type="tns:KeywordSortField" />
            <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
            <xsd:element minOccurs="0" name="offset" type="xsd:int" />
            <xsd:element minOccurs="0" name="count" type="xsd:int" />
            <xsd:element minOccurs="0" name="filter" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:simpleType name="KeywordSortField">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Term" />
        <xsd:enumeration value="LastChanged" />
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="SortDirection">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Ascending" />
        <xsd:enumeration value="Descending" />
    </xsd:restriction>
</xsd:simpleType>

<xsd:element name="GetKeywordPagedResultResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetKeywordPagedResultResult"
                nillable="true" type="tns:ArrayOfKeywordDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfKeywordDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded" name="KeywordDTO"
            nillable="true" type="tns:KeywordDTO" />
    </xsd:sequence>
</xsd:complexType>

```

```

<xsd:element name="UpdateKeyword">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keyword" nillable="true"
        type="tns:KeywordDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateKeywordResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="UpdateKeywordResult"
        nillable="true" type="tns:KeywordDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetKeywordById">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetKeywordByIdResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetKeywordByIdResult"
        nillable="true" type="tns:KeywordDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="AddSearchSettingGroup">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupName" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="description"
        nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="AddSearchSettingGroupResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="AddSearchSettingGroupResult"
        nillable="true" type="tns:SearchSettingGroupDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetNamedSearchSettingGroup">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupName" nillable="true"

```

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        type="xsd:string" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="GetNamedSearchSettingGroupResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="GetNamedSearchSettingGroupResult" nillable="true"
                type="tns:SearchSettingGroupDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateSearchSettingGroup">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingGroup"
                nillable="true" type="tns:SearchSettingGroupDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateSearchSettingGroupResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="UpdateSearchSettingGroupResult" nillable="true"
                type="tns:SearchSettingGroupDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingGroups">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingGroupsResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingGroupById">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingGroupByIdResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

```

```

<xsd:element name="RemoveNamedSearchSettingGroup">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupName" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveNamedSearchSettingGroupResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="CountSearchSettingGroups">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="CountSearchSettingGroupsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="CountSearchSettingGroupsResult" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetSearchSettingGroups">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetSearchSettingGroupsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetSearchSettingGroupsResult"
        nillable="true" type="tns:ArrayOfSearchSettingGroupDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfSearchSettingGroupDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded"
      name="SearchSettingGroupDTO" nillable="true" type="tns:SearchSettingGroupDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="RemovePromotedItem">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="itemId" type="xsd:long" />
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

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    </xsd:complexType>
  </xsd:element>

  <xsd:element name="RemovePromotedItemResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="RemovePromotedItemResult"
          type="xsd:boolean" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="CountPromotedItems">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="CountPromotedItemsResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="CountPromotedItemsResult"
          type="xsd:int" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="RemovePromotedItems">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="RemovePromotedItemsResponse">
    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="ContainsPromotedItem">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="itemId" type="xsd:long" />
        <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="ContainsPromotedItemResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="ContainsPromotedItemResult"
          type="xsd:boolean" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

</xsd:element>

<xsd:element name="AddPromotedItem">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotedItem"
        nillable="true" type="tns:PromotedItemDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="AddPromotedItemResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="AddPromotedItemResult"
        nillable="true" type="tns:PromotedItemDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="UpdatePromotedItem">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotedItem"
        nillable="true" type="tns:PromotedItemDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="UpdatePromotedItemResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="UpdatePromotedItemResult"
        nillable="true" type="tns:PromotedItemDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetPromotionPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
      <xsd:element minOccurs="0" name="field"
        type="tns:PromotionSortField" />
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
      <xsd:element minOccurs="0" name="offset" type="xsd:int" />
      <xsd:element minOccurs="0" name="count" type="xsd:int" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:simpleType name="PromotionSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
    <xsd:enumeration value="StartDate" />
    <xsd:enumeration value="EndDdate" />
  </xsd:restriction>
</xsd:simpleType>

```



```

        <xsd:enumeration value="PromotionSpec">
            <xsd:annotation>
                <xsd:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">6</EnumerationValue>
                </xsd:appinfo>
            </xsd:annotation>
        </xsd:enumeration>
    </xsd:restriction>
</xsd:simpleType>

<xsd:element name="GetPromotionPagedResultResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetPromotionPagedResultResult"
                nillable="true" type="tns:ArrayOfPromotionDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfPromotionDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded" name="PromotionDTO"
            nillable="true" type="tns:PromotionDTO" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetPromotedItems">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetPromotedItemsResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetPromotedItemsResult"
                nillable="true" type="tns:ArrayOfPromotedItemDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfPromotedItemDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded" name="PromotedItemDTO"
            nillable="true" type="tns:PromotedItemDTO" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetPromotedDocuments">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

```

```

<xsd:element name="GetPromotedDocumentsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetPromotedDocumentsResult"
        nillable="true" type="tns:ArrayOfPromotedDocumentDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfPromotedDocumentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded"
      name="PromotedDocumentDTO" nillable="true" type="tns:PromotedDocumentDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetPromotedExpressions">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetPromotedExpressionsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetPromotedExpressionsResult"
        nillable="true" type="tns:ArrayOfPromotedExpressionDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfPromotedExpressionDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded"
      name="PromotedExpressionDTO" nillable="true" type="tns:PromotedExpressionDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetPromotedLocations">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="promotionId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetPromotedLocationsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetPromotedLocationsResult"
        nillable="true" type="tns:ArrayOfPromotedLocationDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfPromotedLocationDTO">

```

```

<xsd:sequence>
  <xsd:element minOccurs="0" maxOccurs="unbounded"
    name="PromotedLocationDTO" nillable="true" type="tns:PromotedLocationDTO" />
</xsd:sequence>
</xsd:complexType>

<xsd:element name="GetBestBetPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
      <xsd:element minOccurs="0" name="field" type="tns:BestBetSortField" />
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
      <xsd:element minOccurs="0" name="offset" type="xsd:int" />
      <xsd:element minOccurs="0" name="count" type="xsd:int" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:simpleType name="BestBetSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
    <xsd:enumeration value="StartDate" />
    <xsd:enumeration value="EndDate" />
    <xsd:enumeration value="Uri" />
    <xsd:enumeration value="Position" />
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="GetBestBetPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetBestBetPagedResultResult"
        nillable="true" type="tns:ArrayOfBestBetDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfBestBetDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="BestBetDTO"
      nillable="true" type="tns:BestBetDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetFeaturedContentPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
      <xsd:element minOccurs="0" name="field"
        type="tns:FeaturedContentSortField" />
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
      <xsd:element minOccurs="0" name="offset" type="xsd:int" />
      <xsd:element minOccurs="0" name="count" type="xsd:int" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

```

    </xsd:complexType>
  </xsd:element>

  <xsd:simpleType name="FeaturedContentSortField">
    <xsd:restriction base="xsd:string">
      <xsd:enumeration value="Name" />
      <xsd:enumeration value="LastChanged" />
      <xsd:enumeration value="StartDate" />
      <xsd:enumeration value="EndDate" />
      <xsd:enumeration value="Uri" />
      <xsd:enumeration value="Position" />
    </xsd:restriction>
  </xsd:simpleType>

  <xsd:element name="GetFeaturedContentPagedResultResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0"
          name="GetFeaturedContentPagedResultResult" nillable="true"
          type="tns:ArrayOfFeaturedContentDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:complexType name="ArrayOfFeaturedContentDTO">
    <xsd:sequence>
      <xsd:element minOccurs="0" maxOccurs="unbounded"
        name="FeaturedContentDTO" nillable="true" type="tns:FeaturedContentDTO" />
    </xsd:sequence>
  </xsd:complexType>

  <xsd:element name="AddSynonym">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="synonym" nillable="true"
          type="tns:SynonymDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="AddSynonymResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="AddSynonymResult"
          nillable="true" type="tns:SynonymDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="CountSearchSettingsByCriteria">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
        <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
        <xsd:element minOccurs="0" name="filter" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

<xsd:element name="CountSearchSettingsByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="CountSearchSettingsByCriteriaResult" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="ContainsSearchSettingByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingName"
        nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="ContainsSearchSettingByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="ContainsSearchSettingByCriteriaResult" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="ContainsSearchSettingById">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingId"
        type="xsd:long" />
      <xsd:element minOccurs="0" name="contextId" nillable="true"
        type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="ContainsSearchSettingByIdResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="ContainsSearchSettingByIdResult" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingsByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>

```

```

</xsd:element>

<xsd:element name="RemoveSearchSettingsByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingId"
        type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveSearchSettingResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RemoveSearchSettingResult"
        type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveNamedSearchSettingByType">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingName"
        nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveNamedSearchSettingByTypeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="RemoveNamedSearchSettingByTypeResult" nillable="true"
        type="xsd:dateTime" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="AddSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSetting"
        nillable="true" type="tns:SearchSettingDTO" />
      <xsd:element minOccurs="0" name="contextId" nillable="true"
        type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="AddSearchSettingResponse">

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```

<xsd:complexType>
  <xsd:sequence>
    <xsd:element minOccurs="0" name="AddSearchSettingResult"
      nillable="true" type="tns:SearchSettingDTO" />
  </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="GetSearchSettingByNameAndType">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="searchSettingName"
        nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetSearchSettingByNameAndTypeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="GetSearchSettingByNameAndTypeResult" nillable="true"
        type="tns:SearchSettingDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CountSearchSettingsForGroupByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="global" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CountSearchSettingsForGroupByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="CountSearchSettingsForGroupByCriteriaResult" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetSynonymPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="keywordId" type="xsd:long" />
      <xsd:element minOccurs="0" name="field" type="tns:SynonymSortField" />
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
      <xsd:element minOccurs="0" name="offset" type="xsd:int" />
      <xsd:element minOccurs="0" name="count" type="xsd:int" />
      <xsd:element minOccurs="0" name="filter" nillable="true" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

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        type="xsd:string" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:simpleType name="SynonymSortField">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Name" />
        <xsd:enumeration value="LastChanged" />
        <xsd:enumeration value="StartDate" />
        <xsd:enumeration value="EndDate" />
        <xsd:enumeration value="Term">
            <xsd:annotation>
                <xsd:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">7</EnumerationValue>
                </xsd:appinfo>
            </xsd:annotation>
        </xsd:enumeration>
    </xsd:restriction>
</xsd:simpleType>

<xsd:element name="GetSynonymPagedResultResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetSynonymPagedResultResult"
                nillable="true" type="tns:ArrayOfSynonymDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfSynonymDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded" name="SynonymDTO"
            nillable="true" type="tns:SynonymDTO" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="UpdateSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSetting"
                nillable="true" type="tns:SearchSettingDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="UpdateSearchSettingResult"
                nillable="true" type="tns:SearchSettingDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetSearchSettingPagedResult">
    <xsd:complexType>

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<xsd:sequence>
  <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
  <xsd:element minOccurs="0" name="field"
    type="tns:SearchSettingSortField" />
  <xsd:element minOccurs="0" name="ascending" type="tns:SortDirection" />
  <xsd:element minOccurs="0" name="offset" type="xsd:int" />
  <xsd:element minOccurs="0" name="count" type="xsd:int" />
  <xsd:element minOccurs="0" name="filter" nillable="true"
    type="xsd:string" />
  <xsd:element minOccurs="0" name="global" type="xsd:boolean" />
  <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
  <xsd:element minOccurs="0" name="contextId" nillable="true"
    type="xsd:long" />
</xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:simpleType name="SearchSettingSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
    <xsd:enumeration value="StartDate" />
    <xsd:enumeration value="EndDate" />
    <xsd:enumeration value="ManagedResultUri" />
    <xsd:enumeration value="ManagedResultPosition" />
    <xsd:enumeration value="PromotionSpec" />
    <xsd:enumeration value="SynonymTerm" />
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="GetSearchSettingPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="GetSearchSettingPagedResultResult" nillable="true"
        type="tns:ArrayOfSearchSettingDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfSearchSettingDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="SearchSettingDTO"
      nillable="true" type="tns:SearchSettingDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="RemoveSearchSettingsFromGroupByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
      <xsd:element minOccurs="0" name="type" type="tns:KeywordItemType" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="global" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

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<xsd:element name="RemoveSearchSettingsFromGroupByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="CountSearchSettingsForContext">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="contextId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CountSearchSettingsForContextResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="CountSearchSettingsForContextResult" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetNamedContext">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="contextName"
        nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetNamedContextResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetNamedContextResult"
        nillable="true" type="tns:ContextDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetNamedContextForSearchSetting">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="contextName"
        nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="searchSettingId"
        type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetNamedContextForSearchSettingResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="GetNamedContextForSearchSettingResult" nillable="true"
        type="tns:ContextDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

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        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="AddContext">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="context" nillable="true"
                type="tns:ContextDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="AddContextResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="AddContextResult"
                nillable="true" type="tns:ContextDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CountContextsByCriteria">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="filter" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CountContextsByCriteriaResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="CountContextsByCriteriaResult"
                type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CountContextsForSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingId"
                type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CountContextsForSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="CountContextsForSearchSettingResult" type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

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<xsd:element name="RemoveNamedContext">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="contextName"
        nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveNamedContextResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveContextsByCriteria">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="RemoveContextsByCriteriaResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetContextsPagedResult">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="groupId" type="xsd:long" />
      <xsd:element minOccurs="0" name="field" type="tns:ContextSortField" />
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
      <xsd:element minOccurs="0" name="offset" type="xsd:int" />
      <xsd:element minOccurs="0" name="count" type="xsd:int" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="searchSettingId"
        type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:simpleType name="ContextSortField">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Name" />
    <xsd:enumeration value="LastChanged" />
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="GetContextsPagedResultResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetContextsPagedResultResult"

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        nillable="true" type="tns:ArrayOfContextDTO" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfContextDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded" name="ContextDTO"
            nillable="true" type="tns:ContextDTO" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="DetachContextsFromSearchSetting">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="searchSettingId"
                type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="DetachContextsFromSearchSettingResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

</xsd:schema>

<xsd:schema attributeFormDefault="qualified"
    elementFormDefault="qualified"
    targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/">
    <xsd:attribute name="Id" type="xsd:ID" />
    <xsd:attribute name="Ref" type="xsd:IDREF" />
</xsd:schema>

<xsd:schema elementFormDefault="qualified"
    targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
    <xsd:complexType name="ArrayOfstring">
        <xsd:sequence>
            <xsd:element minOccurs="0" maxOccurs="unbounded" name="string"
                nillable="true" type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
    <xsd:element name="ArrayOfstring" nillable="true"
        type="msa:ArrayOfstring" />
</xsd:schema>

</wsdl:types>

<wsdl:message
    name="KeywordService_DetachContextsFromSearchSetting_InputMessage">
    <wsdl:part name="parameters" element="tns:DetachContextsFromSearchSetting" />
</wsdl:message>
<wsdl:message
    name="KeywordService_DetachContextsFromSearchSetting_OutputMessage">
    <wsdl:part name="parameters"
        element="tns:DetachContextsFromSearchSettingResponse" />
</wsdl:message>

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<wsdl:message
name="KeywordService_DetachContextsFromSearchSetting_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_DetachNamedContextFromSearchSetting_InputMessage">
  <wsdl:part name="parameters" element="tns:DetachNamedContextFromSearchSetting" />
</wsdl:message>
<wsdl:message
  name="KeywordService_DetachNamedContextFromSearchSetting_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:DetachNamedContextFromSearchSettingResponse" />
</wsdl:message>
<wsdl:message
name="KeywordService_DetachNamedContextFromSearchSetting_AdminExceptionWCFFault_FaultMessage"
>
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
name="KeywordService_AttachNamedContextToSearchSetting_InputMessage">
  <wsdl:part name="parameters" element="tns:AttachNamedContextToSearchSetting" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AttachNamedContextToSearchSetting_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:AttachNamedContextToSearchSettingResponse" />
</wsdl:message>
<wsdl:message
name="KeywordService_AttachNamedContextToSearchSetting_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AttachContextToSearchSetting_InputMessage">
  <wsdl:part name="parameters" element="tns:AttachContextToSearchSetting" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AttachContextToSearchSetting_OutputMessage">
  <wsdl:part name="parameters" element="tns:AttachContextToSearchSettingResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AttachContextToSearchSetting_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_UpdateContext_InputMessage">
  <wsdl:part name="parameters" element="tns:UpdateContext" />
</wsdl:message>
<wsdl:message name="KeywordService_UpdateContext_OutputMessage">
  <wsdl:part name="parameters" element="tns:UpdateContextResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_UpdateContext_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_DetachContextFromSearchSetting_InputMessage">
  <wsdl:part name="parameters" element="tns:DetachContextFromSearchSetting" />

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</wsdl:message>
<wsdl:message
  name="KeywordService_DetachContextFromSearchSetting_OutputMessage">
  <wsdl:part name="parameters" element="tns:DetachContextFromSearchSettingResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_DetachContextFromSearchSetting_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_CreateAggregateContextExpressionRoot_InputMessage">
  <wsdl:part name="parameters" element="tns:CreateAggregateContextExpressionRoot" />
</wsdl:message>
<wsdl:message
  name="KeywordService_CreateAggregateContextExpressionRoot_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:CreateAggregateContextExpressionRootResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_CreateAggregateContextExpressionRoot_AdminExceptionWCFFault_FaultMessage
">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveContextExpressionSubtree_InputMessage">
  <wsdl:part name="parameters" element="tns:RemoveContextExpressionSubtree" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveContextExpressionSubtree_OutputMessage">
  <wsdl:part name="parameters" element="tns:RemoveContextExpressionSubtreeResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveContextExpressionSubtree_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_ContainsContextExpression_InputMessage">
  <wsdl:part name="parameters" element="tns:ContainsContextExpression" />
</wsdl:message>
<wsdl:message name="KeywordService_ContainsContextExpression_OutputMessage">
  <wsdl:part name="parameters" element="tns:ContainsContextExpressionResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_ContainsContextExpression_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveContextExpressionSubtreeIncludingParent_InputMessage">
  <wsdl:part name="parameters"
    element="tns:RemoveContextExpressionSubtreeIncludingParent" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveContextExpressionSubtreeIncludingParent_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:RemoveContextExpressionSubtreeIncludingParentResponse" />
</wsdl:message>
<wsdl:message

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name="KeywordService_RemoveContextExpressionSubtreeIncludingParent_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetContextExpressionCount_InputMessage">
  <wsdl:part name="parameters" element="tns:GetContextExpressionCount" />
</wsdl:message>
<wsdl:message name="KeywordService_GetContextExpressionCount_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetContextExpressionCountResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetContextExpressionCount_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AddContextExpressionAggregateNode_InputMessage">
  <wsdl:part name="parameters" element="tns:AddContextExpressionAggregateNode" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AddContextExpressionAggregateNode_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:AddContextExpressionAggregateNodeResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AddContextExpressionAggregateNode_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AddContextExpressionAtomicNode_InputMessage">
  <wsdl:part name="parameters" element="tns:AddContextExpressionAtomicNode" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AddContextExpressionAtomicNode_OutputMessage">
  <wsdl:part name="parameters" element="tns:AddContextExpressionAtomicNodeResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_AddContextExpressionAtomicNode_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetContextExpressionTree_InputMessage">
  <wsdl:part name="parameters" element="tns:GetContextExpressionTree" />
</wsdl:message>
<wsdl:message name="KeywordService_GetContextExpressionTree_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetContextExpressionTreeResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetContextExpressionTree_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_RemoveKeywordsByCriteria_InputMessage">
  <wsdl:part name="parameters" element="tns:RemoveKeywordsByCriteria" />
</wsdl:message>
<wsdl:message name="KeywordService_RemoveKeywordsByCriteria_OutputMessage">
  <wsdl:part name="parameters" element="tns:RemoveKeywordsByCriteriaResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage">

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    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_CountKeywordsByCriteria_InputMessage">
    <wsdl:part name="parameters" element="tns:CountKeywordsByCriteria" />
</wsdl:message>
<wsdl:message name="KeywordService_CountKeywordsByCriteria_OutputMessage">
    <wsdl:part name="parameters" element="tns:CountKeywordsByCriteriaResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_CountKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetKeywordByCriteria_InputMessage">
    <wsdl:part name="parameters" element="tns:GetKeywordByCriteria" />
</wsdl:message>
<wsdl:message name="KeywordService_GetKeywordByCriteria_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetKeywordByCriteriaResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_GetKeywordByCriteria_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetEmptyKeyword_InputMessage">
    <wsdl:part name="parameters" element="tns:GetEmptyKeyword" />
</wsdl:message>
<wsdl:message name="KeywordService_GetEmptyKeyword_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetEmptyKeywordResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_GetEmptyKeyword_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_RemoveKeywordByCriteria_InputMessage">
    <wsdl:part name="parameters" element="tns:RemoveKeywordByCriteria" />
</wsdl:message>
<wsdl:message name="KeywordService_RemoveKeywordByCriteria_OutputMessage">
    <wsdl:part name="parameters" element="tns:RemoveKeywordByCriteriaResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_RemoveKeywordByCriteria_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_AddKeyword_InputMessage">
    <wsdl:part name="parameters" element="tns:AddKeyword" />
</wsdl:message>
<wsdl:message name="KeywordService_AddKeyword_OutputMessage">
    <wsdl:part name="parameters" element="tns:AddKeywordResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_AddKeyword_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetKeywordPagedResult_InputMessage">
    <wsdl:part name="parameters" element="tns:GetKeywordPagedResult" />
</wsdl:message>
<wsdl:message name="KeywordService_GetKeywordPagedResult_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetKeywordPagedResultResponse" />
</wsdl:message>
<wsdl:message

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        name="KeywordService_GetKeywordPagedResult_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_UpdateKeyword_InputMessage">
        <wsdl:part name="parameters" element="tns:UpdateKeyword" />
    </wsdl:message>
    <wsdl:message name="KeywordService_UpdateKeyword_OutputMessage">
        <wsdl:part name="parameters" element="tns:UpdateKeywordResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_UpdateKeyword_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_AddSearchSettingGroup_InputMessage">
        <wsdl:part name="parameters" element="tns:AddSearchSettingGroup" />
    </wsdl:message>
    <wsdl:message name="KeywordService_AddSearchSettingGroup_OutputMessage">
        <wsdl:part name="parameters" element="tns:AddSearchSettingGroupResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_AddSearchSettingGroup_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetNamedSearchSettingGroup_InputMessage">
        <wsdl:part name="parameters" element="tns:GetNamedSearchSettingGroup" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetNamedSearchSettingGroup_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetNamedSearchSettingGroupResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetNamedSearchSettingGroup_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_UpdateSearchSettingGroup_InputMessage">
        <wsdl:part name="parameters" element="tns:UpdateSearchSettingGroup" />
    </wsdl:message>
    <wsdl:message name="KeywordService_UpdateSearchSettingGroup_OutputMessage">
        <wsdl:part name="parameters" element="tns:UpdateSearchSettingGroupResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_UpdateSearchSettingGroup_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveSearchSettingGroups_InputMessage">
        <wsdl:part name="parameters" element="tns:RemoveSearchSettingGroups" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveSearchSettingGroups_OutputMessage">
        <wsdl:part name="parameters" element="tns:RemoveSearchSettingGroupsResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingGroups_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingGroupById_InputMessage">
        <wsdl:part name="parameters" element="tns:RemoveSearchSettingGroupById" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingGroupById_OutputMessage">

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    <wsdl:part name="parameters" element="tns:RemoveSearchSettingGroupByIdResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveSearchSettingGroupById_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveNamedSearchSettingGroup_InputMessage">
  <wsdl:part name="parameters" element="tns:RemoveNamedSearchSettingGroup" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveNamedSearchSettingGroup_OutputMessage">
  <wsdl:part name="parameters" element="tns:RemoveNamedSearchSettingGroupResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemoveNamedSearchSettingGroup_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_CountSearchSettingGroups_InputMessage">
  <wsdl:part name="parameters" element="tns:CountSearchSettingGroups" />
</wsdl:message>
<wsdl:message name="KeywordService_CountSearchSettingGroups_OutputMessage">
  <wsdl:part name="parameters" element="tns:CountSearchSettingGroupsResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_CountSearchSettingGroups_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetSearchSettingGroups_InputMessage">
  <wsdl:part name="parameters" element="tns:GetSearchSettingGroups" />
</wsdl:message>
<wsdl:message name="KeywordService_GetSearchSettingGroups_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetSearchSettingGroupsResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetSearchSettingGroups_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_RemovePromotedItem_InputMessage">
  <wsdl:part name="parameters" element="tns:RemovePromotedItem" />
</wsdl:message>
<wsdl:message name="KeywordService_RemovePromotedItem_OutputMessage">
  <wsdl:part name="parameters" element="tns:RemovePromotedItemResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_RemovePromotedItem_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_CountPromotedItems_InputMessage">
  <wsdl:part name="parameters" element="tns:CountPromotedItems" />
</wsdl:message>
<wsdl:message name="KeywordService_CountPromotedItems_OutputMessage">
  <wsdl:part name="parameters" element="tns:CountPromotedItemsResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_CountPromotedItems_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_RemovePromotedItems_InputMessage">

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    <wsdl:part name="parameters" element="tns:RemovePromotedItems" />
</wsdl:message>
<wsdl:message name="KeywordService_RemovePromotedItems_OutputMessage">
    <wsdl:part name="parameters" element="tns:RemovePromotedItemsResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_RemovePromotedItems_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_ContainsPromotedItem_InputMessage">
    <wsdl:part name="parameters" element="tns:ContainsPromotedItem" />
</wsdl:message>
<wsdl:message name="KeywordService_ContainsPromotedItem_OutputMessage">
    <wsdl:part name="parameters" element="tns:ContainsPromotedItemResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_ContainsPromotedItem_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_AddPromotedItem_InputMessage">
    <wsdl:part name="parameters" element="tns:AddPromotedItem" />
</wsdl:message>
<wsdl:message name="KeywordService_AddPromotedItem_OutputMessage">
    <wsdl:part name="parameters" element="tns:AddPromotedItemResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_AddPromotedItem_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_UpdatePromotedItem_InputMessage">
    <wsdl:part name="parameters" element="tns:UpdatePromotedItem" />
</wsdl:message>
<wsdl:message name="KeywordService_UpdatePromotedItem_OutputMessage">
    <wsdl:part name="parameters" element="tns:UpdatePromotedItemResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_UpdatePromotedItem_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotionPagedResult_InputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotionPagedResult" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotionPagedResult_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotionPagedResultResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_GetPromotionPagedResult_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedItems_InputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotedItems" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedItems_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetPromotedItemsResponse" />
</wsdl:message>
<wsdl:message
    name="KeywordService_GetPromotedItems_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>

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<wsdl:message name="KeywordService_GetPromotedDocuments_InputMessage">
  <wsdl:part name="parameters" element="tns:GetPromotedDocuments" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedDocuments_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetPromotedDocumentsResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetPromotedDocuments_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedExpressions_InputMessage">
  <wsdl:part name="parameters" element="tns:GetPromotedExpressions" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedExpressions_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetPromotedExpressionsResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetPromotedExpressions_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedLocations_InputMessage">
  <wsdl:part name="parameters" element="tns:GetPromotedLocations" />
</wsdl:message>
<wsdl:message name="KeywordService_GetPromotedLocations_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetPromotedLocationsResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetPromotedLocations_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_GetBestBetPagedResult_InputMessage">
  <wsdl:part name="parameters" element="tns:GetBestBetPagedResult" />
</wsdl:message>
<wsdl:message name="KeywordService_GetBestBetPagedResult_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetBestBetPagedResultResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetBestBetPagedResult_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetFeaturedContentPagedResult_InputMessage">
  <wsdl:part name="parameters" element="tns:GetFeaturedContentPagedResult" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetFeaturedContentPagedResult_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetFeaturedContentPagedResultResponse" />
</wsdl:message>
<wsdl:message
  name="KeywordService_GetFeaturedContentPagedResult_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="KeywordService_AddSynonym_InputMessage">
  <wsdl:part name="parameters" element="tns:AddSynonym" />
</wsdl:message>
<wsdl:message name="KeywordService_AddSynonym_OutputMessage">
  <wsdl:part name="parameters" element="tns:AddSynonymResponse" />
</wsdl:message>
<wsdl:message

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        name="KeywordService_AddSynonym_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountSearchSettingsByCriteria_InputMessage">
        <wsdl:part name="parameters" element="tns:CountSearchSettingsByCriteria" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountSearchSettingsByCriteria_OutputMessage">
        <wsdl:part name="parameters" element="tns:CountSearchSettingsByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_ContainsSearchSettingByCriteria_InputMessage">
        <wsdl:part name="parameters" element="tns:ContainsSearchSettingByCriteria" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_ContainsSearchSettingByCriteria_OutputMessage">
        <wsdl:part name="parameters"
            element="tns:ContainsSearchSettingByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_ContainsSearchSettingByCriteria_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_ContainsSearchSettingById_InputMessage">
        <wsdl:part name="parameters" element="tns:ContainsSearchSettingById" />
    </wsdl:message>
    <wsdl:message name="KeywordService_ContainsSearchSettingById_OutputMessage">
        <wsdl:part name="parameters" element="tns:ContainsSearchSettingByIdResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_ContainsSearchSettingById_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingsByCriteria_InputMessage">
        <wsdl:part name="parameters" element="tns:RemoveSearchSettingsByCriteria" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingsByCriteria_OutputMessage">
        <wsdl:part name="parameters" element="tns:RemoveSearchSettingsByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveSearchSetting_InputMessage">
        <wsdl:part name="parameters" element="tns:RemoveSearchSetting" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveSearchSetting_OutputMessage">
        <wsdl:part name="parameters" element="tns:RemoveSearchSettingResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSetting_AdminExceptionWCFFault_FaultMessage">

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        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveNamedSearchSettingByType_InputMessage">
        <wsdl:part name="parameters" element="tns:RemoveNamedSearchSettingByType" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveNamedSearchSettingByType_OutputMessage">
        <wsdl:part name="parameters" element="tns:RemoveNamedSearchSettingByTypeResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveNamedSearchSettingByType_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_AddSearchSetting_InputMessage">
        <wsdl:part name="parameters" element="tns:AddSearchSetting" />
    </wsdl:message>
    <wsdl:message name="KeywordService_AddSearchSetting_OutputMessage">
        <wsdl:part name="parameters" element="tns:AddSearchSettingResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_AddSearchSetting_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetSearchSettingByNameAndType_InputMessage">
        <wsdl:part name="parameters" element="tns:GetSearchSettingByNameAndType" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetSearchSettingByNameAndType_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetSearchSettingByNameAndTypeResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetSearchSettingByNameAndType_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountSearchSettingsForGroupByCriteria_InputMessage">
        <wsdl:part name="parameters" element="tns:CountSearchSettingsForGroupByCriteria" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountSearchSettingsForGroupByCriteria_OutputMessage">
        <wsdl:part name="parameters"
            element="tns:CountSearchSettingsForGroupByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountSearchSettingsForGroupByCriteria_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetSynonymPagedResult_InputMessage">
        <wsdl:part name="parameters" element="tns:GetSynonymPagedResult" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetSynonymPagedResult_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetSynonymPagedResultResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetSynonymPagedResult_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>

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        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_UpdateSearchSetting_InputMessage">
        <wsdl:part name="parameters" element="tns:UpdateSearchSetting" />
    </wsdl:message>
    <wsdl:message name="KeywordService_UpdateSearchSetting_OutputMessage">
        <wsdl:part name="parameters" element="tns:UpdateSearchSettingResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_UpdateSearchSetting_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetSearchSettingPagedResult_InputMessage">
        <wsdl:part name="parameters" element="tns:GetSearchSettingPagedResult" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetSearchSettingPagedResult_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetSearchSettingPagedResultResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetSearchSettingPagedResult_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingsFromGroupByCriteria_InputMessage">
        <wsdl:part name="parameters"
            element="tns:RemoveSearchSettingsFromGroupByCriteria" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingsFromGroupByCriteria_OutputMessage">
        <wsdl:part name="parameters"
            element="tns:RemoveSearchSettingsFromGroupByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveSearchSettingsFromGroupByCriteria_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountSearchSettingsForContext_InputMessage">
        <wsdl:part name="parameters" element="tns:CountSearchSettingsForContext" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountSearchSettingsForContext_OutputMessage">
        <wsdl:part name="parameters" element="tns:CountSearchSettingsForContextResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountSearchSettingsForContext_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetNamedContext_InputMessage">
        <wsdl:part name="parameters" element="tns:GetNamedContext" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetNamedContext_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetNamedContextResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetNamedContext_AdminExceptionWCFFault_FaultMessage">

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        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetNamedContextForSearchSetting_InputMessage">
        <wsdl:part name="parameters" element="tns:GetNamedContextForSearchSetting" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetNamedContextForSearchSetting_OutputMessage">
        <wsdl:part name="parameters"
            element="tns:GetNamedContextForSearchSettingResponse" />
    </wsdl:message>
    <wsdl:message
name="KeywordService_GetNamedContextForSearchSetting_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_AddContext_InputMessage">
        <wsdl:part name="parameters" element="tns:AddContext" />
    </wsdl:message>
    <wsdl:message name="KeywordService_AddContext_OutputMessage">
        <wsdl:part name="parameters" element="tns:AddContextResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_AddContext_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_CountContextsByCriteria_InputMessage">
        <wsdl:part name="parameters" element="tns:CountContextsByCriteria" />
    </wsdl:message>
    <wsdl:message name="KeywordService_CountContextsByCriteria_OutputMessage">
        <wsdl:part name="parameters" element="tns:CountContextsByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountContextsByCriteria_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountContextsForSearchSetting_InputMessage">
        <wsdl:part name="parameters" element="tns:CountContextsForSearchSetting" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountContextsForSearchSetting_OutputMessage">
        <wsdl:part name="parameters" element="tns:CountContextsForSearchSettingResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_CountContextsForSearchSetting_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveNamedContext_InputMessage">
        <wsdl:part name="parameters" element="tns:RemoveNamedContext" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveNamedContext_OutputMessage">
        <wsdl:part name="parameters" element="tns:RemoveNamedContextResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveNamedContext_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveContextsByCriteria_InputMessage">

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        <wsdl:part name="parameters" element="tns:RemoveContextsByCriteria" />
    </wsdl:message>
    <wsdl:message name="KeywordService_RemoveContextsByCriteria_OutputMessage">
        <wsdl:part name="parameters" element="tns:RemoveContextsByCriteriaResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_RemoveContextsByCriteria_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetContextsPagedResult_InputMessage">
        <wsdl:part name="parameters" element="tns:GetContextsPagedResult" />
    </wsdl:message>
    <wsdl:message name="KeywordService_GetContextsPagedResult_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetContextsPagedResultResponse" />
    </wsdl:message>
    <wsdl:message
        name="KeywordService_GetContextsPagedResult_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>

    <wsdl:portType name="KeywordService">
        <wsdl:operation name="DetachNamedContextFromSearchSetting">
            <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
NamedContextFromSearchSetting"
            message="tns:KeywordService_DetachNamedContextFromSearchSetting_InputMessage" />
            <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
NamedContextFromSearchSettingResponse"
            message="tns:KeywordService_DetachNamedContextFromSearchSetting_OutputMessage" />
            <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
NamedContextFromSearchSettingAdminExceptionWCFFault"
            name="AdminExceptionWCFFault"

message="tns:KeywordService_DetachNamedContextFromSearchSetting_AdminExceptionWCFFault_FaultM
essage" />
        </wsdl:operation>
        <wsdl:operation name="AttachNamedContextToSearchSetting">
            <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Attach
NamedContextToSearchSetting"
            message="tns:KeywordService_AttachNamedContextToSearchSetting_InputMessage" />
            <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Attach
NamedContextToSearchSettingResponse"
            message="tns:KeywordService_AttachNamedContextToSearchSetting_OutputMessage" />
            <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Attach
NamedContextToSearchSettingAdminExceptionWCFFault"
            name="AdminExceptionWCFFault"

message="tns:KeywordService_AttachNamedContextToSearchSetting_AdminExceptionWCFFault_FaultMes
sage" />

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    </wsdl:operation>
    <wsdl:operation name="AttachContextToSearchSetting">
      <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Attach
ContextToSearchSetting"
      message="tns:KeywordService_AttachContextToSearchSetting_InputMessage" />
      <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Attach
ContextToSearchSettingResponse"
      message="tns:KeywordService_AttachContextToSearchSetting_OutputMessage" />
      <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Attach
ContextToSearchSettingAdminExceptionWCFFault"
      name="AdminExceptionWCFFault"

message="tns:KeywordService_AttachContextToSearchSetting_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="UpdateContext">
      <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
Context"
      message="tns:KeywordService_UpdateContext_InputMessage" />
      <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
ContextResponse"
      message="tns:KeywordService_UpdateContext_OutputMessage" />
      <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
ContextAdminExceptionWCFFault"
      name="AdminExceptionWCFFault"
      message="tns:KeywordService_UpdateContext_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="DetachContextFromSearchSetting">
      <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextFromSearchSetting"
      message="tns:KeywordService_DetachContextFromSearchSetting_InputMessage" />
      <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextFromSearchSettingResponse"
      message="tns:KeywordService_DetachContextFromSearchSetting_OutputMessage" />
      <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextFromSearchSettingAdminExceptionWCFFault"
      name="AdminExceptionWCFFault"

message="tns:KeywordService_DetachContextFromSearchSetting_AdminExceptionWCFFault_FaultMessag
e" />
    </wsdl:operation>
    <wsdl:operation name="CreateAggregateContextExpressionRoot">
      <wsdl:input

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Create
AggregateContextExpressionRoot"
    message="tns:KeywordService_CreateAggregateContextExpressionRoot_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Create
AggregateContextExpressionRootResponse"
    message="tns:KeywordService_CreateAggregateContextExpressionRoot_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Create
AggregateContextExpressionRootAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_CreateAggregateContextExpressionRoot_AdminExceptionWCFFault_Fault
Message" />
</wsdl:operation>
<wsdl:operation name="RemoveContextExpressionSubtree">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtree"
    message="tns:KeywordService_RemoveContextExpressionSubtree_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtreeResponse"
    message="tns:KeywordService_RemoveContextExpressionSubtree_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtreeAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveContextExpressionSubtree_AdminExceptionWCFFault_FaultMessag
e" />
</wsdl:operation>
<wsdl:operation name="ContainsContextExpression">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Contai
nsContextExpression"
    message="tns:KeywordService_ContainsContextExpression_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Contai
nsContextExpressionResponse"
    message="tns:KeywordService_ContainsContextExpression_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Contai
nsContextExpressionAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_ContainsContextExpression_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="RemoveContextExpressionSubtreeIncludingParent">
    <wsdl:input

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtreeIncludingParent"

message="tns:KeywordService_RemoveContextExpressionSubtreeIncludingParent_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtreeIncludingParentResponse"

message="tns:KeywordService_RemoveContextExpressionSubtreeIncludingParent_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextExpressionSubtreeIncludingParentAdminExceptionWCFFault"
name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveContextExpressionSubtreeIncludingParent_AdminExceptionWCFFa
ult_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetContextExpressionCount">
<wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCon
textExpressionCount"
message="tns:KeywordService_GetContextExpressionCount_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCon
textExpressionCountResponse"
message="tns:KeywordService_GetContextExpressionCount_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCon
textExpressionCountAdminExceptionWCFFault"
name="AdminExceptionWCFFault"

message="tns:KeywordService_GetContextExpressionCount_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="AddContextExpressionAggregateNode">
<wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddCon
textExpressionAggregateNode"
message="tns:KeywordService_AddContextExpressionAggregateNode_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddCon
textExpressionAggregateNodeResponse"
message="tns:KeywordService_AddContextExpressionAggregateNode_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddCon
textExpressionAggregateNodeAdminExceptionWCFFault"
name="AdminExceptionWCFFault"

message="tns:KeywordService_AddContextExpressionAggregateNode_AdminExceptionWCFFault_FaultMes
sage" />
</wsdl:operation>
<wsdl:operation name="AddContextExpressionAtomicNode">
<wsdl:input

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAtomicNode"
  message="tns:KeywordService_AddContextExpressionAtomicNode_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAtomicNodeResponse"
  message="tns:KeywordService_AddContextExpressionAtomicNode_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextExpressionAtomicNodeAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"

message="tns:KeywordService_AddContextExpressionAtomicNode_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetContextExpressionTree">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionTree"
  message="tns:KeywordService_GetContextExpressionTree_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionTreeResponse"
  message="tns:KeywordService_GetContextExpressionTree_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionTreeAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"

message="tns:KeywordService_GetContextExpressionTree_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="RemoveKeywordsByCriteria">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordsByCriteria"
  message="tns:KeywordService_RemoveKeywordsByCriteria_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordsByCriteriaResponse"
  message="tns:KeywordService_RemoveKeywordsByCriteria_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordsByCriteriaAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="CountKeywordsByCriteria">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKeywordsByCriteria"

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        message="tns:KeywordService_CountKeywordsByCriteria_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKeywordsByCriteriaResponse"
    message="tns:KeywordService_CountKeywordsByCriteria_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKeywordsByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_CountKeywordsByCriteria_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetKeywordByCriteria">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordByCriteria"
    message="tns:KeywordService_GetKeywordByCriteria_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordByCriteriaResponse"
    message="tns:KeywordService_GetKeywordByCriteria_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetKeywordByCriteria_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="RemoveKeywordByCriteria">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordByCriteria"
    message="tns:KeywordService_RemoveKeywordByCriteria_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordByCriteriaResponse"
    message="tns:KeywordService_RemoveKeywordByCriteria_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveKeywordByCriteria_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="AddKeyword">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKeyword"
    message="tns:KeywordService_AddKeyword_InputMessage" />
    <wsdl:output

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKey
wordResponse"
    message="tns:KeywordService_AddKeyword_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKey
wordAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_AddKeyword_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetKeywordPagedResult">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKey
wordPagedResult"
    message="tns:KeywordService_GetKeywordPagedResult_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKey
wordPagedResultResponse"
    message="tns:KeywordService_GetKeywordPagedResult_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKey
wordPagedResultAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_GetKeywordPagedResult_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="UpdateKeyword">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
Keyword"
    message="tns:KeywordService_UpdateKeyword_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
KeywordResponse"
    message="tns:KeywordService_UpdateKeyword_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
KeywordAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_UpdateKeyword_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="AddSearchSettingGroup">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSea
rchSettingGroup"
    message="tns:KeywordService_AddSearchSettingGroup_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSea
rchSettingGroupResponse"
    message="tns:KeywordService_AddSearchSettingGroup_OutputMessage" />
<wsdl:fault

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSettingGroupAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_AddSearchSettingGroup_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetNamedSearchSettingGroup">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedSearchSettingGroup"
    message="tns:KeywordService_GetNamedSearchSettingGroup_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedSearchSettingGroupResponse"
    message="tns:KeywordService_GetNamedSearchSettingGroup_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedSearchSettingGroupAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_GetNamedSearchSettingGroup_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="UpdateSearchSettingGroup">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSettingGroup"
    message="tns:KeywordService_UpdateSearchSettingGroup_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSettingGroupResponse"
    message="tns:KeywordService_UpdateSearchSettingGroup_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSettingGroupAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_UpdateSearchSettingGroup_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="RemoveSearchSettingGroups">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroups"
    message="tns:KeywordService_RemoveSearchSettingGroups_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupsResponse"
    message="tns:KeywordService_RemoveSearchSettingGroups_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupsAdminExceptionWCFFault"

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        name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveSearchSettingGroups_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="RemoveSearchSettingGroupById">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingGroupById"
    message="tns:KeywordService_RemoveSearchSettingGroupById_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingGroupByIdResponse"
    message="tns:KeywordService_RemoveSearchSettingGroupById_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingGroupByIdAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveSearchSettingGroupById_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="RemoveNamedSearchSettingGroup">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedSearchSettingGroup"
    message="tns:KeywordService_RemoveNamedSearchSettingGroup_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedSearchSettingGroupResponse"
    message="tns:KeywordService_RemoveNamedSearchSettingGroup_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedSearchSettingGroupAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveNamedSearchSettingGroup_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="CountSearchSettingGroups">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountS
earchSettingGroups"
    message="tns:KeywordService_CountSearchSettingGroups_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountS
earchSettingGroupsResponse"
    message="tns:KeywordService_CountSearchSettingGroups_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountS
earchSettingGroupsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

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message="tns:KeywordService_CountSearchSettingGroups_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetSearchSettingGroups">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingGroups"
  message="tns:KeywordService_GetSearchSettingGroups_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingGroupsResponse"
  message="tns:KeywordService_GetSearchSettingGroups_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingGroupsAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"

message="tns:KeywordService_GetSearchSettingGroups_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="RemovePromotedItem">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItem"
  message="tns:KeywordService_RemovePromotedItem_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItemResponse"
  message="tns:KeywordService_RemovePromotedItem_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemovePromotedItemAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"
  message="tns:KeywordService_RemovePromotedItem_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="CountPromotedItems">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountPromotedItems"
  message="tns:KeywordService_CountPromotedItems_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountPromotedItemsResponse"
  message="tns:KeywordService_CountPromotedItems_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountPromotedItemsAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"
  message="tns:KeywordService_CountPromotedItems_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="RemovePromotedItems">

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        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
PromotedItems"
    message="tns:KeywordService_RemovePromotedItems_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
PromotedItemsResponse"
    message="tns:KeywordService_RemovePromotedItems_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
PromotedItemsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemovePromotedItems_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="ContainsPromotedItem">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Contai
nsPromotedItem"
    message="tns:KeywordService_ContainsPromotedItem_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Contai
nsPromotedItemResponse"
    message="tns:KeywordService_ContainsPromotedItem_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Contai
nsPromotedItemAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_ContainsPromotedItem_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="AddPromotedItem">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddPro
motedItem"
    message="tns:KeywordService_AddPromotedItem_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddPro
motedItemResponse"
    message="tns:KeywordService_AddPromotedItem_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddPro
motedItemAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_AddPromotedItem_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="UpdatePromotedItem">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
PromotedItem"
    message="tns:KeywordService_UpdatePromotedItem_InputMessage" />

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        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
PromotedItemResponse"
    message="tns:KeywordService_UpdatePromotedItem_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
PromotedItemAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_UpdatePromotedItem_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="GetPromotionPagedResult">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPro
motionPagedResult"
    message="tns:KeywordService_GetPromotionPagedResult_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPro
motionPagedResultResponse"
    message="tns:KeywordService_GetPromotionPagedResult_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPro
motionPagedResultAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_GetPromotionPagedResult_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetPromotedItems">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPro
motedItems"
    message="tns:KeywordService_GetPromotedItems_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPro
motedItemsResponse"
    message="tns:KeywordService_GetPromotedItems_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPro
motedItemsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetPromotedItems_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetPromotedDocuments">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPro
motedDocuments"
    message="tns:KeywordService_GetPromotedDocuments_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPro
motedDocumentsResponse"
    message="tns:KeywordService_GetPromotedDocuments_OutputMessage" />

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        <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedDocumentsAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:KeywordService_GetPromotedDocuments_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="GetPromotedExpressions">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedExpressions"
        message="tns:KeywordService_GetPromotedExpressions_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedExpressionsResponse"
        message="tns:KeywordService_GetPromotedExpressions_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedExpressionsAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:KeywordService_GetPromotedExpressions_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetPromotedLocations">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedLocations"
        message="tns:KeywordService_GetPromotedLocations_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedLocationsResponse"
        message="tns:KeywordService_GetPromotedLocations_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotedLocationsAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:KeywordService_GetPromotedLocations_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="GetBestBetPagedResult">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBestBetPagedResult"
        message="tns:KeywordService_GetBestBetPagedResult_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBestBetPagedResultResponse"
        message="tns:KeywordService_GetBestBetPagedResult_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBestBetPagedResultAdminExceptionWCFFault"

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        name="AdminExceptionWCFFault"

message="tns:KeywordService_GetBestBetPagedResult_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetFeaturedContentPagedResult">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFea
turedContentPagedResult"
        message="tns:KeywordService_GetFeaturedContentPagedResult_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFea
turedContentPagedResultResponse"
        message="tns:KeywordService_GetFeaturedContentPagedResult_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFea
turedContentPagedResultAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:KeywordService_GetFeaturedContentPagedResult_AdminExceptionWCFFault_FaultMessage
" />
    </wsdl:operation>
    <wsdl:operation name="AddSynonym">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSyn
onym"
        message="tns:KeywordService_AddSynonym_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSyn
onymResponse"
        message="tns:KeywordService_AddSynonym_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSyn
onymAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:KeywordService_AddSynonym_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="CountSearchSettingsByCriteria">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountS
earchSettingsByCriteria"
        message="tns:KeywordService_CountSearchSettingsByCriteria_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountS
earchSettingsByCriteriaResponse"
        message="tns:KeywordService_CountSearchSettingsByCriteria_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountS
earchSettingsByCriteriaAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:KeywordService_CountSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage
" />

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</wsdl:operation>
<wsdl:operation name="ContainsSearchSettingByCriteria">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteria"
  message="tns:KeywordService_ContainsSearchSettingByCriteria_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteriaResponse"
  message="tns:KeywordService_ContainsSearchSettingByCriteria_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteriaAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"

message="tns:KeywordService_ContainsSearchSettingByCriteria_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="ContainsSearchSettingById">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingById"
  message="tns:KeywordService_ContainsSearchSettingById_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByIdResponse"
  message="tns:KeywordService_ContainsSearchSettingById_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByIdAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"

message="tns:KeywordService_ContainsSearchSettingById_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="RemoveSearchSettingsByCriteria">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteria"
  message="tns:KeywordService_RemoveSearchSettingsByCriteria_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteriaResponse"
  message="tns:KeywordService_RemoveSearchSettingsByCriteria_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteriaAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveSearchSettingsByCriteria_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="RemoveSearchSetting">

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        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSetting"
    message="tns:KeywordService_RemoveSearchSetting_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingResponse"
    message="tns:KeywordService_RemoveSearchSetting_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_RemoveSearchSetting_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="RemoveNamedSearchSettingByType">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedSearchSettingByType"
    message="tns:KeywordService_RemoveNamedSearchSettingByType_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedSearchSettingByTypeResponse"
    message="tns:KeywordService_RemoveNamedSearchSettingByType_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedSearchSettingByTypeAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveNamedSearchSettingByType_AdminExceptionWCFFault_FaultMessag
e" />
    </wsdl:operation>
    <wsdl:operation name="AddSearchSetting">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSea
rchSetting"
    message="tns:KeywordService_AddSearchSetting_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSea
rchSettingResponse"
    message="tns:KeywordService_AddSearchSetting_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSea
rchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_AddSearchSetting_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetSearchSettingByNameAndType">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSea
rchSettingByNameAndType"

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        message="tns:KeywordService_GetSearchSettingByNameAndType_InputMessage" />
    </wsdl:output>

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingByNameAndTypeResponse"
        message="tns:KeywordService_GetSearchSettingByNameAndType_OutputMessage" />
    </wsdl:fault>

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingByNameAndTypeAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

    message="tns:KeywordService_GetSearchSettingByNameAndType_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="CountSearchSettingsForGroupByCriteria">
        <wsdl:input>

        wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForGroupByCriteria"
            message="tns:KeywordService_CountSearchSettingsForGroupByCriteria_InputMessage" />
        </wsdl:output>

        wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForGroupByCriteriaResponse"
            message="tns:KeywordService_CountSearchSettingsForGroupByCriteria_OutputMessage" />
        </wsdl:fault>

        wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForGroupByCriteriaAdminExceptionWCFFault"
            name="AdminExceptionWCFFault"

        message="tns:KeywordService_CountSearchSettingsForGroupByCriteria_AdminExceptionWCFFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetSynonymPagedResult">
            <wsdl:input>

            wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSynonymPagedResult"
                message="tns:KeywordService_GetSynonymPagedResult_InputMessage" />
            </wsdl:output>

            wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSynonymPagedResultResponse"
                message="tns:KeywordService_GetSynonymPagedResult_OutputMessage" />
            </wsdl:fault>

            wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSynonymPagedResultAdminExceptionWCFFault"
                name="AdminExceptionWCFFault"

            message="tns:KeywordService_GetSynonymPagedResult_AdminExceptionWCFFault_FaultMessage" />
            </wsdl:operation>
            <wsdl:operation name="UpdateSearchSetting">
                <wsdl:input>

                wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSetting"
                    message="tns:KeywordService_UpdateSearchSetting_InputMessage" />
                </wsdl:output>

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
SearchSettingResponse"
    message="tns:KeywordService_UpdateSearchSetting_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Update
SearchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_UpdateSearchSetting_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="GetSearchSettingPagedResult">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSea
rchSettingPagedResult"
    message="tns:KeywordService_GetSearchSettingPagedResult_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSea
rchSettingPagedResultResponse"
    message="tns:KeywordService_GetSearchSettingPagedResult_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSea
rchSettingPagedResultAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_GetSearchSettingPagedResult_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="RemoveSearchSettingsFromGroupByCriteria">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingsFromGroupByCriteria"
    message="tns:KeywordService_RemoveSearchSettingsFromGroupByCriteria_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingsFromGroupByCriteriaResponse"
    message="tns:KeywordService_RemoveSearchSettingsFromGroupByCriteria_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
SearchSettingsFromGroupByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveSearchSettingsFromGroupByCriteria_AdminExceptionWCFFault_Fa
ultMessage" />
</wsdl:operation>
<wsdl:operation name="GetEmptyKeyword">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmp
tyKeyword"
    message="tns:KeywordService_GetEmptyKeyword_InputMessage" />
<wsdl:output

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmptyKeywordResponse"
    message="tns:KeywordService_GetEmptyKeyword_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmptyKeywordAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetEmptyKeyword_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="CountSearchSettingsForContext">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForContext"
    message="tns:KeywordService_CountSearchSettingsForContext_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForContextResponse"
    message="tns:KeywordService_CountSearchSettingsForContext_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForContextAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_CountSearchSettingsForContext_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetNamedContext">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContext"
    message="tns:KeywordService_GetNamedContext_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextResponse"
    message="tns:KeywordService_GetNamedContext_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_GetNamedContext_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetNamedContextForSearchSetting">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextForSearchSetting"
    message="tns:KeywordService_GetNamedContextForSearchSetting_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextForSearchSettingResponse"
    message="tns:KeywordService_GetNamedContextForSearchSetting_OutputMessage" />
<wsdl:fault

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContextForSearchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_GetNamedContextForSearchSetting_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="AddContext">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContext"
    message="tns:KeywordService_AddContext_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextResponse"
    message="tns:KeywordService_AddContext_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddContextAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:KeywordService_AddContext_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="CountContextsByCriteria">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsByCriteria"
    message="tns:KeywordService_CountContextsByCriteria_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsByCriteriaResponse"
    message="tns:KeywordService_CountContextsByCriteria_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsByCriteriaAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:KeywordService_CountContextsByCriteria_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="CountContextsForSearchSetting">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsForSearchSetting"
    message="tns:KeywordService_CountContextsForSearchSetting_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsForSearchSettingResponse"
    message="tns:KeywordService_CountContextsForSearchSetting_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountContextsForSearchSettingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

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message="tns:KeywordService_CountContextsForSearchSetting_AdminExceptionWCFFault_FaultMessage
" />
    </wsdl:operation>
    <wsdl:operation name="RemoveNamedContext">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedContext"
        message="tns:KeywordService_RemoveNamedContext_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedContextResponse"
        message="tns:KeywordService_RemoveNamedContext_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
NamedContextAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:KeywordService_RemoveNamedContext_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="RemoveContextsByCriteria">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextsByCriteria"
        message="tns:KeywordService_RemoveContextsByCriteria_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextsByCriteriaResponse"
        message="tns:KeywordService_RemoveContextsByCriteria_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Remove
ContextsByCriteriaAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:KeywordService_RemoveContextsByCriteria_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetContextsPagedResult">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCon
textsPagedResult"
        message="tns:KeywordService_GetContextsPagedResult_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCon
textsPagedResultResponse"
        message="tns:KeywordService_GetContextsPagedResult_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCon
textsPagedResultAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:KeywordService_GetContextsPagedResult_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>

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        <wsdl:operation name="DetachContextsFromSearchSetting">
            <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextsFromSearchSetting"
            message="tns:KeywordService_DetachContextsFromSearchSetting_InputMessage" />
            <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextsFromSearchSettingResponse"
            message="tns:KeywordService_DetachContextsFromSearchSetting_OutputMessage" />
            <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/Detach
ContextsFromSearchSettingAdminExceptionWCFFault"
            name="AdminExceptionWCFFault"

message="tns:KeywordService_DetachContextsFromSearchSetting_AdminExceptionWCFFault_FaultMessa
ge" />
        </wsdl:operation>
    </wsdl:portType>
    <wsdl:binding name="BasicHttpBinding_KeywordService" type="tns:KeywordService">
    <wsp:PolicyReference URI="#BasicHttpBinding_KeywordService_policy"/>
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
        <wsdl:operation
            name="DetachNamedContextFromSearchSetting">
            <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachN
amedContextFromSearchSetting"
            style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="AttachNamedContextToSearchSetting">
            <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachN
amedContextToSearchSetting"
            style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="AttachContextToSearchSetting">
            <soap12:operation

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soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AttachContextToSearchSetting"
  style="document" />
  <wsdl:input>
    <soap12:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="AdminExceptionWCFFault">
    <soap12:fault name="AdminExceptionWCFFault" use="literal" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="UpdateContext">
  <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateContext"
  style="document" />
  <wsdl:input>
    <soap12:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="AdminExceptionWCFFault">
    <soap12:fault name="AdminExceptionWCFFault" use="literal" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DetachContextFromSearchSetting">
  <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachContextFromSearchSetting"
  style="document" />
  <wsdl:input>
    <soap12:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="AdminExceptionWCFFault">
    <soap12:fault name="AdminExceptionWCFFault" use="literal" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CreateAggregateContextExpressionRoot">
  <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CreateAggregateContextExpressionRoot"
  style="document" />
  <wsdl:input>
    <soap12:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="AdminExceptionWCFFault">
    <soap12:fault name="AdminExceptionWCFFault" use="literal" />
  </wsdl:fault>

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        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveContextExpressionSubtree">
        <soap12:operation
            soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextExpressionSubtree"
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="ContainsContextExpression">
        <soap12:operation
            soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsContextExpression"
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveContextExpressionSubtreeIncludingParent">
        <soap12:operation
            soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveContextExpressionSubtreeIncludingParent"
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetContextExpressionCount">
        <soap12:operation
            soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetContextExpressionCount"
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>

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        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="AddContextExpressionAggregateNode">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddCont
extExpressionAggregateNode"
        style="document" />
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    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="AddContextExpressionAtomicNode">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddCont
extExpressionAtomicNode"
        style="document" />
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        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetContextExpressionTree">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCont
extExpressionTree"
        style="document" />
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    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemoveKeywordsByCriteria">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveK
eywordsByCriteria"
        style="document" />

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        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
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            <soap12:body use="literal" />
        </wsdl:output>
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            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CountKeywordsByCriteria">
        <soap12:operation
            soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountKeywordsByCriteria"
            style="document" />
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            <soap12:body use="literal" />
        </wsdl:output>
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            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetKeywordByCriteria">
        <soap12:operation
            soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordByCriteria"
            style="document" />
        <wsdl:input>
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        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetEmptyKeyword">
        <soap12:operation
            soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetEmptyKeyword"
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveKeywordByCriteria">

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        <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveKeywordByCriteria"
        style="document" />
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            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="AddKeyword">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddKeyword"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetKeywordPagedResult">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetKeywordPagedResult"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="UpdateKeyword">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateKeyword"
        style="document" />
        <wsdl:input>
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        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">

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        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
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    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSearchSettingGroup"
        style="document" />
        <wsdl:input>
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        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="GetNamedSearchSettingGroup">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedSearchSettingGroup"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="UpdateSearchSettingGroup">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateSearchSettingGroup"
        style="document" />
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        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="RemoveSearchSettingGroups">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroups"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>

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        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveSearchSettingGroupById">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingGroupById"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveNamedSearchSettingGroup">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveNamedSearchSettingGroup"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CountSearchSettingGroups">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingGroups"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetSearchSettingGroups">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSearchSettingGroups"

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        style="document" />
<wsdl:input>
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</wsdl:input>
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  <soap12:body use="literal" />
</wsdl:output>
<wsdl:fault name="AdminExceptionWCFFault">
  <soap12:fault name="AdminExceptionWCFFault" use="literal" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemovePromotedItem">
  <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveP
romotedItem"
  style="document" />
<wsdl:input>
  <soap12:body use="literal" />
</wsdl:input>
<wsdl:output>
  <soap12:body use="literal" />
</wsdl:output>
<wsdl:fault name="AdminExceptionWCFFault">
  <soap12:fault name="AdminExceptionWCFFault" use="literal" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CountPromotedItems">
  <soap12:operation

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omotedItems"
  style="document" />
<wsdl:input>
  <soap12:body use="literal" />
</wsdl:input>
<wsdl:output>
  <soap12:body use="literal" />
</wsdl:output>
<wsdl:fault name="AdminExceptionWCFFault">
  <soap12:fault name="AdminExceptionWCFFault" use="literal" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemovePromotedItems">
  <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveP
romotedItems"
  style="document" />
<wsdl:input>
  <soap12:body use="literal" />
</wsdl:input>
<wsdl:output>
  <soap12:body use="literal" />
</wsdl:output>
<wsdl:fault name="AdminExceptionWCFFault">
  <soap12:fault name="AdminExceptionWCFFault" use="literal" />
</wsdl:fault>
</wsdl:operation>

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        <wsdl:operation name="ContainsPromotedItem">
            <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsPromotedItem"
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                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="AddPromotedItem">
            <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddPromotedItem"
                style="document" />
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                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="UpdatePromotedItem">
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soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdatePromotedItem"
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                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="GetPromotionPagedResult">
            <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetPromotionPagedResult"
                style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>

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        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetPromotedItems">
        <soap12:operation
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            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetPromotedDocuments">
        <soap12:operation
            style="document" />
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            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetPromotedExpressions">
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            style="document" />
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            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetPromotedLocations">
        <soap12:operation
            style="document" />
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        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetBestBetPagedResult">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetBest
BetPagedResult"
        style="document" />
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            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetFeaturedContentPagedResult">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetFeat
uredContentPagedResult"
        style="document" />
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            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="AddSynonym">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddSyno
nym"
        style="document" />
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            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CountSearchSettingsByCriteria">
        <soap12:operation

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soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsByCriteria"
    style="document" />
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    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ContainsSearchSettingByCriteria">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingByCriteria"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ContainsSearchSettingById">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/ContainsSearchSettingById"
    style="document" />
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        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemoveSearchSettingsByCriteria">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsByCriteria"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />

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        </wsdl:fault>
      </wsdl:operation>
      <wsdl:operation name="RemoveSearchSetting">
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        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
      <wsdl:operation name="RemoveNamedSearchSettingByType">
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        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
      <wsdl:operation name="AddSearchSetting">
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          style="document" />
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          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
      <wsdl:operation name="GetSearchSettingByNameAndType">
        <soap12:operation
          style="document" />
        <wsdl:input>
          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>

```

```

        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CountSearchSettingsForGroupByCriteria">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSe
archSettingsForGroupByCriteria"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetSynonymPagedResult">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSyno
nymPagedResult"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="UpdateSearchSetting">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/UpdateS
earchSetting"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetSearchSettingPagedResult">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetSear
chSettingPagedResult"
    style="document" />

```

```

        <wsdl:input>
          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
    <wsdl:operation name="RemoveSearchSettingsFromGroupByCriteria">
      <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveSearchSettingsFromGroupByCriteria"
        style="document" />
        <wsdl:input>
          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
    <wsdl:operation name="CountSearchSettingsForContext">
      <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountSearchSettingsForContext"
        style="document" />
        <wsdl:input>
          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
    <wsdl:operation name="GetNamedContext">
      <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetNamedContext"
        style="document" />
        <wsdl:input>
          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
    <wsdl:operation name="GetNamedContextForSearchSetting">

```

```

        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetName
dContextForSearchSetting"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="AddContext">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/AddCont
ext"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CountContextsByCriteria">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountCo
ntextsByCriteria"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CountContextsForSearchSetting">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/CountCo
ntextsForSearchSetting"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">

```

```

        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemoveNamedContext">
    <soap12:operation
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemoveContextsByCriteria">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/RemoveC
ontextsByCriteria"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetContextsPagedResult">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/GetCont
extsPagedResult"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DetachContextsFromSearchSetting">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/KeywordService/DetachC
ontextsFromSearchSetting"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>

```



```

        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
    </wsdl:binding>
    <!-------SECURE BINDINGS HERE -----!>

  </wsdl:definitions>

```

6.2 SpellCheckerService Web Service WSDL

```

<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions name="SpellCheckerServiceImpl"
  targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
  xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
  xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
  xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-
1.0.xsd"
  xmlns:msa="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:tns="http://Microsoft.SharePoint.Search.Extended.Administration"
  xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
  xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
  <wsp:Policy wsu:Id="BasicHttpBinding_SpellCheckerService_policy">
    <wsp:ExactlyOne>
      <wsp:All>
        <http:NtlmAuthentication/>
      </wsp:All>
    </wsp:ExactlyOne>
  </wsp:Policy>

  <wsp:Policy wsu:Id="BasicHttpBinding_SpellCheckerServiceSecure_policy">
    <wsp:ExactlyOne>
      <wsp:All>
        <http:NtlmAuthentication/>
        <sp:TransportBinding>
          <wsp:Policy>
            <sp:TransportToken>
              <wsp:Policy>
                <sp:HttpsToken RequireClientCertificate="false"/>
              </wsp:Policy>
            </sp:TransportToken>
            <sp:AlgorithmSuite>
              <wsp:Policy>
                <sp:Basic256/>
              </wsp:Policy>
            </sp:AlgorithmSuite>
            <sp:Layout>
              <wsp:Policy>
                <sp:Strict/>
              </wsp:Policy>
            </sp:Layout>
          </wsp:Policy>
        </sp:TransportBinding>

```

```

        </wsp:All>
    </wsp:ExactlyOne>
</wsp:Policy>
<wsdl:types>
<xsd:schema elementFormDefault="qualified"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration">
    <xsd:import
        namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
<xsd:complexType name="LinguisticsIdentifierDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" name="Language" type="tns:Language" />
        <xsd:element minOccurs="0" name="Name" nillable="true"
            type="xsd:string" />
    </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="Language">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="ANY" />
        <xsd:enumeration value="AR" />
        <xsd:enumeration value="CS" />
        <xsd:enumeration value="DA" />
        <xsd:enumeration value="DE" />
        <xsd:enumeration value="EL" />
        <xsd:enumeration value="EN" />
        <xsd:enumeration value="ES" />
        <xsd:enumeration value="ET" />
        <xsd:enumeration value="FI" />
        <xsd:enumeration value="FR" />
        <xsd:enumeration value="HE" />
        <xsd:enumeration value="HI" />
        <xsd:enumeration value="HU" />
        <xsd:enumeration value="ID" />
        <xsd:enumeration value="IS" />
        <xsd:enumeration value="IT" />
        <xsd:enumeration value="JA" />
        <xsd:enumeration value="KO" />
        <xsd:enumeration value="LT" />
        <xsd:enumeration value="LV" />
        <xsd:enumeration value="MS" />
        <xsd:enumeration value="NB" />
        <xsd:enumeration value="NL" />
        <xsd:enumeration value="NN" />
        <xsd:enumeration value="NO" />
        <xsd:enumeration value="PL" />
        <xsd:enumeration value="PT" />
        <xsd:enumeration value="RO" />
        <xsd:enumeration value="RU" />
        <xsd:enumeration value="SC" />
        <xsd:enumeration value="SK" />
        <xsd:enumeration value="SL" />
        <xsd:enumeration value="SR" />
        <xsd:enumeration value="SV" />
        <xsd:enumeration value="TR" />
        <xsd:enumeration value="UK" />
        <xsd:enumeration value="UR" />
    </xsd:restriction>
</xsd:simpleType>
<xsd:element name="GetAll">
    <xsd:complexType>

```

```

        <xsd:sequence />
    </xsd:complexType>
</xsd:element>
<xsd:element name="GetAllResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetAllResult"
                nillable="true" type="tns:ArrayOfLinguisticsIdentifierDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:complexType name="ArrayOfLinguisticsIdentifierDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded"
            name="LinguisticsIdentifierDTO" nillable="true"
            type="tns:LinguisticsIdentifierDTO" />
    </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="AdminExceptionWCF">
    <xsd:sequence>
        <xsd:element minOccurs="0" name="ErrorCode" nillable="true"
            type="xsd:string" />
        <xsd:element minOccurs="0" name="Values" nillable="true"
            type="msa:ArrayOfstring" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="AdminExceptionWCF" nillable="true"
    type="tns:AdminExceptionWCF" />

<xsd:element name="Get">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="sortField" type="tns:SortField" />
            <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
            <xsd:element minOccurs="0" name="offset" type="xsd:int" />
            <xsd:element minOccurs="0" name="count" type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:simpleType name="SortField">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Name" />
        <xsd:enumeration value="LastChanged" />
    </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="SortDirection">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Ascending" />
        <xsd:enumeration value="Descending" />
    </xsd:restriction>
</xsd:simpleType>
<xsd:element name="GetResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetResult" nillable="true"
                type="tns:ArrayOfLinguisticsIdentifierDTO" />
        </xsd:sequence>
    </xsd:complexType>

```

```

</xsd:element>
<xsd:element name="Contains">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
        type="tns:LinguisticsIdentifierDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="ContainsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsResult" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="Clean">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
        type="tns:LinguisticsIdentifierDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="CleanResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
<xsd:element name="CleanTerms">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
        type="tns:LinguisticsIdentifierDTO" />
      <xsd:element minOccurs="0" name="linguisticTermType"
        type="tns:LinguisticTermType" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:simpleType name="LinguisticTermType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="INCLUSION" />
    <xsd:enumeration value="EXCLUSION" />
  </xsd:restriction>
</xsd:simpleType>
<xsd:element name="LinguisticTermType" nillable="true"
  type="tns:LinguisticTermType" />
<xsd:element name="CleanTermsResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
<xsd:element name="GetAllTerms">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
        type="tns:LinguisticsIdentifierDTO" />
      <xsd:element minOccurs="0" name="linguisticTermType"
        type="tns:LinguisticTermType" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

```

        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="GetAllTermsResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetAllTermsResult"
                nillable="true" type="msa:ArrayOfstring" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="GetTerms">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="tns:LinguisticsIdentifierDTO" />
            <xsd:element minOccurs="0" name="linguisticTermType"
                type="tns:LinguisticTermType" />
            <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
            <xsd:element minOccurs="0" name="offset" type="xsd:int" />
            <xsd:element minOccurs="0" name="count" type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="GetTermsResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetTermsResult"
                nillable="true" type="msa:ArrayOfstring" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="AddTerm">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="tns:LinguisticsIdentifierDTO" />
            <xsd:element minOccurs="0" name="linguisticTermType"
                type="tns:LinguisticTermType" />
            <xsd:element minOccurs="0" name="term" nillable="true"
                type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="AddTermResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>
<xsd:element name="RemoveTerm">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="tns:LinguisticsIdentifierDTO" />
            <xsd:element minOccurs="0" name="linguisticTermType"
                type="tns:LinguisticTermType" />
            <xsd:element minOccurs="0" name="term" nillable="true"
                type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

```

```

    </xsd:complexType>
  </xsd:element>
  <xsd:element name="RemoveTermResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="RemoveTermResult"
          type="xsd:boolean" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="ContainsTerm">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="name" nillable="true"
          type="tns:LinguisticsIdentifierDTO" />
        <xsd:element minOccurs="0" name="linguisticTermType"
          type="tns:LinguisticTermType" />
        <xsd:element minOccurs="0" name="term" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="ContainsTermResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="ContainsTermResult"
          type="xsd:boolean" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

<xsd:schema elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
  <xsd:complexType name="ArrayOfstring">
    <xsd:sequence>
      <xsd:element minOccurs="0" maxOccurs="unbounded" name="string"
        nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:schema>

</wsdl:types>
<wsdl:message name="SpellCheckerService_GetAll_InputMessage">
  <wsdl:part name="parameters" element="tns:GetAll" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_GetAll_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetAllResponse" />
</wsdl:message>
<wsdl:message
  name="SpellCheckerService_GetAll_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_Get_InputMessage">
  <wsdl:part name="parameters" element="tns:Get" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_Get_OutputMessage">

```

```

    <wsdl:part name="parameters" element="tns:GetResponse" />
</wsdl:message>
<wsdl:message
  name="SpellCheckerService_Get_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_Contains_InputMessage">
  <wsdl:part name="parameters" element="tns:Contains" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_Contains_OutputMessage">
  <wsdl:part name="parameters" element="tns:ContainsResponse" />
</wsdl:message>
<wsdl:message
  name="SpellCheckerService_Contains_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_Clean_InputMessage">
  <wsdl:part name="parameters" element="tns:Clean" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_Clean_OutputMessage">
  <wsdl:part name="parameters" element="tns:CleanResponse" />
</wsdl:message>
<wsdl:message
  name="SpellCheckerService_Clean_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_CleanTerms_InputMessage">
  <wsdl:part name="parameters" element="tns:CleanTerms" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_CleanTerms_OutputMessage">
  <wsdl:part name="parameters" element="tns:CleanTermsResponse" />
</wsdl:message>
<wsdl:message
  name="SpellCheckerService_CleanTerms_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_GetAllTerms_InputMessage">
  <wsdl:part name="parameters" element="tns:GetAllTerms" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_GetAllTerms_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetAllTermsResponse" />
</wsdl:message>
<wsdl:message
  name="SpellCheckerService_GetAllTerms_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_GetTerms_InputMessage">
  <wsdl:part name="parameters" element="tns:GetTerms" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_GetTerms_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetTermsResponse" />
</wsdl:message>
<wsdl:message
  name="SpellCheckerService_GetTerms_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_AddTerm_InputMessage">
  <wsdl:part name="parameters" element="tns:AddTerm" />
</wsdl:message>

```

```

<wsdl:message name="SpellCheckerService_AddTerm_OutputMessage">
  <wsdl:part name="parameters" element="tns:AddTermResponse" />
</wsdl:message>
<wsdl:message
  name="SpellCheckerService_AddTerm_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_RemoveTerm_InputMessage">
  <wsdl:part name="parameters" element="tns:RemoveTerm" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_RemoveTerm_OutputMessage">
  <wsdl:part name="parameters" element="tns:RemoveTermResponse" />
</wsdl:message>
<wsdl:message
  name="SpellCheckerService_RemoveTerm_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_ContainsTerm_InputMessage">
  <wsdl:part name="parameters" element="tns:ContainsTerm" />
</wsdl:message>
<wsdl:message name="SpellCheckerService_ContainsTerm_OutputMessage">
  <wsdl:part name="parameters" element="tns:ContainsTermResponse" />
</wsdl:message>
<wsdl:message
  name="SpellCheckerService_ContainsTerm_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:portType name="SpellCheckerService">
  <wsdl:operation name="GetAll">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
All"
    message="tns:SpellCheckerService_GetAll_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
AllResponse"
    message="tns:SpellCheckerService_GetAll_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
AllAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_GetAll_AdminExceptionWCFFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="Get">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
"
    message="tns:SpellCheckerService_Get_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
Response"
    message="tns:SpellCheckerService_Get_OutputMessage" />
    <wsdl:fault

```



```

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
AdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_Get_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="Contains">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Con
tains"
    message="tns:SpellCheckerService_Contains_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Con
tainsResponse"
    message="tns:SpellCheckerService_Contains_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Con
tainsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_Contains_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="Clean">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Cle
an"
    message="tns:SpellCheckerService_Clean_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Cle
anResponse"
    message="tns:SpellCheckerService_Clean_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Cle
anAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_Clean_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="CleanTerms">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Cle
anTerms"
    message="tns:SpellCheckerService_CleanTerms_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Cle
anTermsResponse"
    message="tns:SpellCheckerService_CleanTerms_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Cle
anTermsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_CleanTerms_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetAllTerms">

```

```

        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
AllTerms"
        message="tns:SpellCheckerService_GetAllTerms_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
AllTermsResponse"
        message="tns:SpellCheckerService_GetAllTerms_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
AllTermsAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:SpellCheckerService_GetAllTerms_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetTerms">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
Terms"
        message="tns:SpellCheckerService_GetTerms_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
TermsResponse"
        message="tns:SpellCheckerService_GetTerms_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
TermsAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:SpellCheckerService_GetTerms_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="AddTerm">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Add
Term"
        message="tns:SpellCheckerService_AddTerm_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Add
TermResponse"
        message="tns:SpellCheckerService_AddTerm_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Add
TermAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:SpellCheckerService_AddTerm_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="RemoveTerm">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Rem
oveTerm"
        message="tns:SpellCheckerService_RemoveTerm_InputMessage" />
        <wsdl:output

```

```

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTermResponse"
    message="tns:SpellCheckerService_RemoveTerm_OutputMessage" />
</wsdl:fault>

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTermAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_RemoveTerm_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="ContainsTerm">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTerm"
    message="tns:SpellCheckerService_ContainsTerm_InputMessage" />
</wsdl:output>

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTermResponse"
    message="tns:SpellCheckerService_ContainsTerm_OutputMessage" />
</wsdl:fault>

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTermAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SpellCheckerService_ContainsTerm_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="BasicHttpBinding_SpellCheckerService" type="tns: SpellCheckerService">
<wsp:PolicyReference URI="#BasicHttpBinding_SpellChecker_policy"/>
<soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
    <wsdl:operation
name="GetAll">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAll"
    style="document" />
<wsdl:input>
    <soap12:body use="literal" />
</wsdl:input>
<wsdl:output>
    <soap12:body use="literal" />
</wsdl:output>
<wsdl:fault name="AdminExceptionWCFFault">
    <soap12:fault name="AdminExceptionWCFFault" use="literal" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="Get">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get"
    style="document" />
<wsdl:input>
    <soap12:body use="literal" />
</wsdl:input>
<wsdl:output>
    <soap12:body use="literal" />
</wsdl:output>

```

```
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Contains"
```

```
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Clean"
```

```
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTerms"
```

```
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllTerms"
```

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Administration Services Protocol Specification
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```

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Cont
ainsTerm"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
</wsdl:binding>
<!-------SECURE BINDINGS HERE ----->

</wsdl:definitions>

```

6.3 TermEntityExtractorService Web Service WSDL

```

<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions name="TermEntityExtractorServiceImpl"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
    xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
    xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-
1.0.xsd"
    xmlns:msa="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:tns="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
    xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/">
    <wsp:Policy wsu:Id="BasicHttpBinding_TermEntityExtractorService_policy">
        <wsp:ExactlyOne>
            <wsp:All>
                <http:NtlmAuthentication/>
            </wsp:All>
        </wsp:ExactlyOne>
    </wsp:Policy>

    <wsp:Policy wsu:Id="BasicHttpBinding_TermEntityExtractorServiceSecure_policy">
        <wsp:ExactlyOne>
            <wsp:All>
                <http:NtlmAuthentication/>
                <sp:TransportBinding>
                    <wsp:Policy>
                        <sp:TransportToken>
                            <wsp:Policy>
                                <sp:HttpsToken RequireClientCertificate="false"/>
                            </wsp:Policy>
                        </sp:TransportToken>
                        <sp:AlgorithmSuite>
                            <wsp:Policy>
                                <sp:Basic256/>
                            </wsp:Policy>
                        </sp:AlgorithmSuite>
                    </wsp:Policy>
                </sp:TransportBinding>
            </wsp:All>
        </wsp:ExactlyOne>
    </wsp:Policy>

```

```

        <sp:Layout>
            <wsp:Policy>
                <sp:Strict/>
            </wsp:Policy>
        </sp:Layout>
    </wsp:Policy>
</sp:TransportBinding>
</wsp:All>
</wsp:ExactlyOne>
</wsp:Policy>

<wsdl:types>

<xsd:schema elementFormDefault="qualified"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration">

    <xsd:import
        namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />

    <xsd:complexType name="LinguisticsIdentifierDTO">
        <xsd:sequence>
            <xsd:element minOccurs="0" name="Language" type="tns:Language" />
            <xsd:element minOccurs="0" name="Name" nillable="true"
                type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
    <xsd:simpleType name="Language">
        <xsd:restriction base="xsd:string">
            <xsd:enumeration value="ANY" />
            <xsd:enumeration value="AR" />
            <xsd:enumeration value="CS" />
            <xsd:enumeration value="DA" />
            <xsd:enumeration value="DE" />
            <xsd:enumeration value="EL" />
            <xsd:enumeration value="EN" />
            <xsd:enumeration value="ES" />
            <xsd:enumeration value="ET" />
            <xsd:enumeration value="FI" />
            <xsd:enumeration value="FR" />
            <xsd:enumeration value="HE" />
            <xsd:enumeration value="HI" />
            <xsd:enumeration value="HU" />
            <xsd:enumeration value="ID" />
            <xsd:enumeration value="IS" />
            <xsd:enumeration value="IT" />
            <xsd:enumeration value="JA" />
            <xsd:enumeration value="KO" />
            <xsd:enumeration value="LT" />
            <xsd:enumeration value="LV" />
            <xsd:enumeration value="MS" />
            <xsd:enumeration value="NB" />
            <xsd:enumeration value="NL" />
            <xsd:enumeration value="NN" />
            <xsd:enumeration value="NO" />
            <xsd:enumeration value="PL" />
            <xsd:enumeration value="PT" />
            <xsd:enumeration value="RO" />
            <xsd:enumeration value="RU" />
        </xsd:restriction>
    </xsd:simpleType>

```

```

        <xsd:enumeration value="SC" />
        <xsd:enumeration value="SK" />
        <xsd:enumeration value="SL" />
        <xsd:enumeration value="SR" />
        <xsd:enumeration value="SV" />
        <xsd:enumeration value="TR" />
        <xsd:enumeration value="UK" />
        <xsd:enumeration value="UR" />
    </xsd:restriction>
</xsd:simpleType>
<xsd:element name="GetAll">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>
<xsd:element name="GetAllResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetAllResult"
                nillable="true" type="tns:ArrayOfLinguisticsIdentifierDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:complexType name="ArrayOfLinguisticsIdentifierDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded"
            name="LinguisticsIdentifierDTO" nillable="true"
            type="tns:LinguisticsIdentifierDTO" />
    </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="AdminExceptionWCF">
    <xsd:sequence>
        <xsd:element minOccurs="0" name="ErrorCode" nillable="true"
            type="xsd:string" />
        <xsd:element minOccurs="0" name="Values" nillable="true"
            type="msa:ArrayOfstring" />
    </xsd:sequence>
</xsd:complexType>
<xsd:element name="AdminExceptionWCF" nillable="true" type="tns:AdminExceptionWCF" />
<xsd:element name="Get">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="sortField" type="tns:SortField" />
            <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
            <xsd:element minOccurs="0" name="offset" type="xsd:int" />
            <xsd:element minOccurs="0" name="count" type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:simpleType name="SortField">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Name" />
        <xsd:enumeration value="LastChanged" />
    </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="SortDirection">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Ascending" />
        <xsd:enumeration value="Descending" />
    </xsd:restriction>
</xsd:simpleType>

```



```

    </xsd:restriction>
</xsd:simpleType>
<xsd:element name="GetResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetResult" nillable="true"
        type="tns:ArrayOfLinguisticsIdentifierDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="Contains">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
        type="tns:LinguisticsIdentifierDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="ContainsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ContainsResult" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="Clean">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
        type="tns:LinguisticsIdentifierDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="CleanResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
<xsd:element name="CleanTerms">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
        type="tns:LinguisticsIdentifierDTO" />
      <xsd:element minOccurs="0" name="linguisticTermType"
        type="tns:LinguisticTermType" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:simpleType name="LinguisticTermType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="INCLUSION" />
    <xsd:enumeration value="EXCLUSION" />
  </xsd:restriction>
</xsd:simpleType>
<xsd:element name="CleanTermsResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

```

```

<xsd:element name="GetAllTerms">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
        type="tns:LinguisticsIdentifierDTO" />
      <xsd:element minOccurs="0" name="linguisticTermType"
        type="tns:LinguisticTermType" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="GetAllTermsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetAllTermsResult"
        nillable="true" type="msa:ArrayOfstring" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="GetTerms">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
        type="tns:LinguisticsIdentifierDTO" />
      <xsd:element minOccurs="0" name="linguisticTermType"
        type="tns:LinguisticTermType" />
      <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
      <xsd:element minOccurs="0" name="offset" type="xsd:int" />
      <xsd:element minOccurs="0" name="count" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="GetTermsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetTermsResult"
        nillable="true" type="msa:ArrayOfstring" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="AddTerm">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
        type="tns:LinguisticsIdentifierDTO" />
      <xsd:element minOccurs="0" name="linguisticTermType"
        type="tns:LinguisticTermType" />
      <xsd:element minOccurs="0" name="term" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="AddTermResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
<xsd:element name="RemoveTerm">
  <xsd:complexType>
    <xsd:sequence>

```

```

        <xsd:element minOccurs="0" name="name" nillable="true"
            type="tns:LinguisticsIdentifierDTO" />
        <xsd:element minOccurs="0" name="linguisticTermType"
            type="tns:LinguisticTermType" />
        <xsd:element minOccurs="0" name="term" nillable="true"
            type="xsd:string" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>
<xsd:element name="RemoveTermResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="RemoveTermResult"
                type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="ContainsTerm">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="tns:LinguisticsIdentifierDTO" />
            <xsd:element minOccurs="0" name="linguisticTermType"
                type="tns:LinguisticTermType" />
            <xsd:element minOccurs="0" name="term" nillable="true"
                type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="ContainsTermResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="ContainsTermResult"
                type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
</xsd:schema>

<xsd:schema elementFormDefault="qualified"
    targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
    <xsd:complexType name="ArrayOfstring">
        <xsd:sequence>
            <xsd:element minOccurs="0" maxOccurs="unbounded" name="string"
                nillable="true" type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
    <xsd:element name="ArrayOfstring" nillable="true"
        type="msa:ArrayOfstring" />
</xsd:schema>

</wsdl:types>
<wsdl:message name="TermEntityExtractorService_GetAll_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAll" />
</wsdl:message>
<wsdl:message name="TermEntityExtractorService_GetAll_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAllResponse" />
</wsdl:message>
<wsdl:message

```

```

        name="TermEntityExtractorService_GetAll_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="TermEntityExtractorService_Get_InputMessage">
        <wsdl:part name="parameters" element="tns:Get" />
    </wsdl:message>
    <wsdl:message name="TermEntityExtractorService_Get_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetResponse" />
    </wsdl:message>
    <wsdl:message
        name="TermEntityExtractorService_Get_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="TermEntityExtractorService_Contains_InputMessage">
        <wsdl:part name="parameters" element="tns:Contains" />
    </wsdl:message>
    <wsdl:message name="TermEntityExtractorService_Contains_OutputMessage">
        <wsdl:part name="parameters" element="tns:ContainsResponse" />
    </wsdl:message>
    <wsdl:message
        name="TermEntityExtractorService_Contains_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="TermEntityExtractorService_Clean_InputMessage">
        <wsdl:part name="parameters" element="tns:Clean" />
    </wsdl:message>
    <wsdl:message name="TermEntityExtractorService_Clean_OutputMessage">
        <wsdl:part name="parameters" element="tns:CleanResponse" />
    </wsdl:message>
    <wsdl:message
        name="TermEntityExtractorService_Clean_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="TermEntityExtractorService_CleanTerms_InputMessage">
        <wsdl:part name="parameters" element="tns:CleanTerms" />
    </wsdl:message>
    <wsdl:message name="TermEntityExtractorService_CleanTerms_OutputMessage">
        <wsdl:part name="parameters" element="tns:CleanTermsResponse" />
    </wsdl:message>
    <wsdl:message
        name="TermEntityExtractorService_CleanTerms_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="TermEntityExtractorService_GetAllTerms_InputMessage">
        <wsdl:part name="parameters" element="tns:GetAllTerms" />
    </wsdl:message>
    <wsdl:message name="TermEntityExtractorService_GetAllTerms_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetAllTermsResponse" />
    </wsdl:message>
    <wsdl:message
        name="TermEntityExtractorService_GetAllTerms_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="TermEntityExtractorService_GetTerms_InputMessage">
        <wsdl:part name="parameters" element="tns:GetTerms" />
    </wsdl:message>
    <wsdl:message name="TermEntityExtractorService_GetTerms_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetTermsResponse" />
    </wsdl:message>

```

```

<wsdl:message
  name="TermEntityExtractorService_GetTerms_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="TermEntityExtractorService_AddTerm_InputMessage">
  <wsdl:part name="parameters" element="tns:AddTerm" />
</wsdl:message>
<wsdl:message name="TermEntityExtractorService_AddTerm_OutputMessage">
  <wsdl:part name="parameters" element="tns:AddTermResponse" />
</wsdl:message>
<wsdl:message
  name="TermEntityExtractorService_AddTerm_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="TermEntityExtractorService_RemoveTerm_InputMessage">
  <wsdl:part name="parameters" element="tns:RemoveTerm" />
</wsdl:message>
<wsdl:message name="TermEntityExtractorService_RemoveTerm_OutputMessage">
  <wsdl:part name="parameters" element="tns:RemoveTermResponse" />
</wsdl:message>
<wsdl:message
  name="TermEntityExtractorService_RemoveTerm_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="TermEntityExtractorService_ContainsTerm_InputMessage">
  <wsdl:part name="parameters" element="tns:ContainsTerm" />
</wsdl:message>
<wsdl:message name="TermEntityExtractorService_ContainsTerm_OutputMessage">
  <wsdl:part name="parameters" element="tns:ContainsTermResponse" />
</wsdl:message>
<wsdl:message
  name="TermEntityExtractorService_ContainsTerm_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:portType name="TermEntityExtractorService">
  <wsdl:operation name="GetAll">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
All"
    message="tns:TermEntityExtractorService_GetAll_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
AllResponse"
    message="tns:TermEntityExtractorService_GetAll_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
AllAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:TermEntityExtractorService_GetAll_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="Get">
      <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
"
    message="tns:TermEntityExtractorService_Get_InputMessage" />

```

```

        <wsdl:output
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
Response"
        message="tns:TermEntityExtractorService_Get_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get
AdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:TermEntityExtractorService_Get_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="Contains">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Con
tains"
        message="tns:TermEntityExtractorService_Contains_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Con
tainsResponse"
        message="tns:TermEntityExtractorService_Contains_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Con
tainsAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:TermEntityExtractorService_Contains_AdminExceptionWCFFault_FaultMessage"
    />
    </wsdl:operation>
    <wsdl:operation name="Clean">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Cle
an"
        message="tns:TermEntityExtractorService_Clean_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Cle
anResponse"
        message="tns:TermEntityExtractorService_Clean_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Cle
anAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:TermEntityExtractorService_Clean_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="CleanTerms">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Cle
anTerms"
        message="tns:TermEntityExtractorService_CleanTerms_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Cle
anTermsResponse"
        message="tns:TermEntityExtractorService_CleanTerms_OutputMessage" />
        <wsdl:fault

```

```

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/CleanTermsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:TermEntityExtractorService_CleanTerms_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetAllTerms">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllTerms"
    message="tns:TermEntityExtractorService_GetAllTerms_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllTermsResponse"
    message="tns:TermEntityExtractorService_GetAllTerms_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAllTermsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:TermEntityExtractorService_GetAllTerms_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetTerms">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetTerms"
    message="tns:TermEntityExtractorService_GetTerms_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetTermsResponse"
    message="tns:TermEntityExtractorService_GetTerms_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetTermsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:TermEntityExtractorService_GetTerms_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="AddTerm">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/AddTerm"
    message="tns:TermEntityExtractorService_AddTerm_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/AddTermResponse"
    message="tns:TermEntityExtractorService_AddTerm_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/AddTermAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

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        message="tns:TermEntityExtractorService_AddTerm_AdminExceptionWCFFault_FaultMessage"
    />
    </wsdl:operation>
    <wsdl:operation name="RemoveTerm">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTerm"
        message="tns:TermEntityExtractorService_RemoveTerm_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTermResponse"
        message="tns:TermEntityExtractorService_RemoveTerm_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/RemoveTerm_AdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:TermEntityExtractorService_RemoveTerm_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="ContainsTerm">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTerm"
        message="tns:TermEntityExtractorService_ContainsTerm_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTermResponse"
        message="tns:TermEntityExtractorService_ContainsTerm_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/ContainsTerm_AdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:TermEntityExtractorService_ContainsTerm_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
</wsdl:portType>
    <wsdl:binding name="BasicHttpBinding_TermEntityExtractorService" type="tns:TermEntityExtractorService">
        <wsp:PolicyReference URI="#BasicHttpBinding_TermEntityExtractorService_policy"/>
        <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
        <wsdl:operation name="GetAll">
            <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetAll"
            style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>

```



```

        </wsdl:operation>
        <wsdl:operation name="Get">
            <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Get"
                style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="Contains">
            <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Cont
ains"
                style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="Clean">
            <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Clea
n"
                style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />
            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="CleanTerms">
            <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Clea
nTerms"
                style="document" />
            <wsdl:input>
                <soap12:body use="literal" />
            </wsdl:input>
            <wsdl:output>
                <soap12:body use="literal" />

```

```

        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetAllTerms">
        <soap12:operation
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetTerms">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/GetT
erms"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="AddTerm">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/AddT
erm"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveTerm">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticService/Remo
veTerm"
        style="document" />
        <wsdl:input>

```

```

        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ContainsTerm">
    <soap12:operation
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
</wsdl:binding>
<!-------SECURE BINDINGS HERE ----->

</wsdl:definitions>

```

6.4 PersistedDictionaryService Web Service WSDL

```

<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions name="PersistedDictionaryServiceImpl"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
    xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
    xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
    xmlns:msa="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:tns="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
    xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/">
    <wsp:Policy wsu:Id="BasicHttpBinding_PersistedDictionaryService_policy">
        <wsp:ExactlyOne>
            <wsp:All>
                <http:NtlmAuthentication/>
            </wsp:All>
        </wsp:ExactlyOne>
    </wsp:Policy>

    <wsp:Policy wsu:Id="BasicHttpBinding_PersistedDictionaryServiceSecure_policy">
        <wsp:ExactlyOne>
            <wsp:All>
                <http:NtlmAuthentication/>
                <sp:TransportBinding>

```

```

    <wsp:Policy>
      <sp:TransportToken>
        <wsp:Policy>
          <sp:HttpsToken RequireClientCertificate="false"/>
        </wsp:Policy>
      </sp:TransportToken>
      <sp:AlgorithmSuite>
        <wsp:Policy>
          <sp:Basic256/>
        </wsp:Policy>
      </sp:AlgorithmSuite>
      <sp:Layout>
        <wsp:Policy>
          <sp:Strict/>
        </wsp:Policy>
      </sp:Layout>
    </wsp:Policy>
  </sp:TransportBinding>
</wsp:All>
</wsp:ExactlyOne>
</wsp:Policy>

<wsdl:types>

  <xsd:schema elementFormDefault="qualified"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration">
    <xsd:import
      namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
    <xsd:import
      namespace="http://schemas.datacontract.org/2004/07/System.Collections.ObjectModel" />
    <xsd:import
      namespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic" />

    <xsd:element name="IsDirty">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element minOccurs="0" name="name" nillable="true"
            type="xsd:string" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="IsDirtyResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element minOccurs="0" name="IsDirtyResult" type="xsd:boolean" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:complexType name="AdminExceptionWCF">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="ErrorCode" nillable="true"
          type="xsd:string" />
        <xsd:element minOccurs="0" name="Values" nillable="true"
          type="msa:ArrayOfstring" />
      </xsd:sequence>
    </xsd:complexType>
    <xsd:element name="AdminExceptionWCF" nillable="true"
      type="tns:AdminExceptionWCF" />
    <xsd:element name="SetDirty">

```

```

    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="name" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="SetDirtyResponse">
    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="GetEntriesAndSetClean">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="name" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="GetEntriesAndSetCleanResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="GetEntriesAndSetCleanResult"
          nillable="true"
          type="sco:ReadOnlyCollectionOfKeyValuePairOfStringstringR8RmUPp7" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="Add">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="name" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="AddResponse">
    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="ChangeName">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="oldName" nillable="true"
          type="xsd:string" />
        <xsd:element minOccurs="0" name="newName" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="ChangeNameResponse">
    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="GetAll">
    <xsd:complexType>

```

```

        <xsd:sequence />
    </xsd:complexType>
</xsd:element>
<xsd:element name="GetAllResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetAllResult"
                nillable="true" type="msa:ArrayOfstring" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="Get">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="field" type="tns:SortField" />
            <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
            <xsd:element minOccurs="0" name="offset" type="xsd:int" />
            <xsd:element minOccurs="0" name="count" type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:simpleType name="SortField">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Name" />
        <xsd:enumeration value="LastChanged" />
    </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="SortDirection">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Ascending" />
        <xsd:enumeration value="Descending" />
    </xsd:restriction>
</xsd:simpleType>
<xsd:element name="GetResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetResult" nillable="true"
                type="msa:ArrayOfstring" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="Contains">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="ContainsResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="ContainsResult" type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="Remove">
    <xsd:complexType>
        <xsd:sequence>

```

```

        <xsd:element minOccurs="0" name="name" nillable="true"
            type="xsd:string" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>
<xsd:element name="RemoveResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="RemoveResult" type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="Count">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>
<xsd:element name="CountResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="CountResult" type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="RemoveAll">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>
<xsd:element name="RemoveAllResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>
<xsd:element name="Clear">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="ClearResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>
<xsd:element name="AddEntry">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="entry"
                type="scg:KeyValuePairOfstringstring" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="AddEntryResponse">
    <xsd:complexType>

```

```

        <xsd:sequence />
    </xsd:complexType>
</xsd:element>
<xsd:element name="GetAllEntries">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="GetAllEntriesResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetAllEntriesResult"
                nillable="true" type="msa:ArrayOfKeyValueOfstringstring" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="GetEntries">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="direction" type="tns:SortDirection" />
            <xsd:element minOccurs="0" name="offset" type="xsd:int" />
            <xsd:element minOccurs="0" name="count" type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="GetEntriesResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetEntriesResult"
                nillable="true" type="msa:ArrayOfKeyValueOfstringstring" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="ContainsEntry">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="entry"
                type="scg:KeyValuePairOfstringstring" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="ContainsEntryResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="ContainsEntryResult"
                type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="ContainsEntryKey">
    <xsd:complexType>
        <xsd:sequence>

```



```

        <xsd:element minOccurs="0" name="name" nillable="true"
            type="xsd:string" />
        <xsd:element minOccurs="0" name="key" nillable="true"
            type="xsd:string" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>
<xsd:element name="ContainsEntryKeyResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="ContainsEntryKeyResult"
                type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="RemoveEntry">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="entry"
                type="scg:KeyValuePairOfStringString" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="RemoveEntryResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="RemoveEntryResult"
                type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="RemoveEntryKey">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="key" nillable="true"
                type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="RemoveEntryKeyResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="RemoveEntryKeyResult"
                type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:element name="GetEntryValue">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="key" nillable="true"
                type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

```

```

    </xsd:complexType>
  </xsd:element>
  <xsd:element name="GetEntryValueResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="GetEntryValueResult"
          nillable="true" type="xsd:string" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="SetEntryValue">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="name" nillable="true"
          type="xsd:string" />
        <xsd:element minOccurs="0" name="key" nillable="true"
          type="xsd:string" />
        <xsd:element minOccurs="0" name="value" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="SetEntryValueResponse">
    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="GetEntryKeys">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="name" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="GetEntryKeysResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="GetEntryKeysResult"
          nillable="true" type="msa:ArrayOfstring" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="GetEntryValues">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="name" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="GetEntryValuesResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="GetEntryValuesResult"
          nillable="true" type="msa:ArrayOfstring" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

<xsd:element name="CountEntries">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="CountEntriesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CountEntriesResult"
        type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
</xsd:schema>

<xsd:schema elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
  <xsd:complexType name="ArrayOfstring">
    <xsd:sequence>
      <xsd:element minOccurs="0" maxOccurs="unbounded" name="string"
        nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="ArrayOfKeyValueOfstringstring">
    <xsd:annotation>
      <xsd:appinfo>
        <IsDictionary
          xmlns="http://schemas.microsoft.com/2003/10/Serialization/">true</IsDictionary>
      </xsd:appinfo>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element minOccurs="0" maxOccurs="unbounded"
        name="KeyValueOfstringstring">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="Key" nillable="true" type="xsd:string" />
            <xsd:element name="Value" nillable="true" type="xsd:string" />
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
</xsd:schema>

<xsd:schema elementFormDefault="qualified"
  targetNamespace="http://schemas.datacontract.org/2004/07/System.Collections.ObjectModel">
  <xsd:import
    namespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic" />
  <xsd:complexType
    name="ReadOnlyCollectionOfKeyValuePairOfstringstringR8RmUPp7">
    <xsd:annotation>
      <xsd:appinfo>
        <GenericType Name="ReadOnlyCollectionOf{0}{#}"

```

```

        xmlns="http://schemas.microsoft.com/2003/10/Serialization/"
        <GenericParameter Name="KeyValuePairOf{0}{1}{#}"

Namespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic">
    <GenericParameter Name="string"
        Namespace="http://www.w3.org/2001/XMLSchema" />
    <GenericParameter Name="string"
        Namespace="http://www.w3.org/2001/XMLSchema" />
    </GenericParameter>
</GenericType>
</xsd:appinfo>
</xsd:annotation>
<xsd:sequence>
    <xsd:element name="list" nillable="true"
        type="scg:ArrayOfKeyValuePairOfstringstring" />
</xsd:sequence>
</xsd:complexType>
</xsd:schema>

<xsd:schema elementFormDefault="qualified"
    targetNamespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic">
    <xsd:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
    <xsd:complexType name="ArrayOfKeyValuePairOfstringstring">
        <xsd:sequence>
            <xsd:element minOccurs="0" maxOccurs="unbounded"
                name="KeyValuePairOfstringstring" type="scg:KeyValuePairOfstringstring" />
        </xsd:sequence>
    </xsd:complexType>
    <xsd:complexType name="KeyValuePairOfstringstring">
        <xsd:annotation>
            <xsd:appinfo>
                <GenericType Name="KeyValuePairOf{0}{1}{#}"
                    Namespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic"
                    xmlns="http://schemas.microsoft.com/2003/10/Serialization/"
                >
                    <GenericParameter Name="string"
                        Namespace="http://www.w3.org/2001/XMLSchema" />
                    <GenericParameter Name="string"
                        Namespace="http://www.w3.org/2001/XMLSchema" />
                </GenericType>
            </IsValueType>
        </xsd:appinfo>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="key" nillable="true" type="xsd:string" />
        <xsd:element name="value" nillable="true" type="xsd:string" />
    </xsd:sequence>
    </xsd:complexType>
</xsd:schema>

</wsdl:types>
<wsdl:message name="PersistedDictionaryService_IsDirty_InputMessage">
    <wsdl:part name="parameters" element="tns:IsDirty" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_IsDirty_OutputMessage">
    <wsdl:part name="parameters" element="tns:IsDirtyResponse" />
</wsdl:message>
<wsdl:message
    name="PersistedDictionaryService_IsDirty_AdminExceptionWCFFault_FaultMessage">

```

```

        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="PersistedDictionaryService_SetDirty_InputMessage">
        <wsdl:part name="parameters" element="tns:SetDirty" />
    </wsdl:message>
    <wsdl:message name="PersistedDictionaryService_SetDirty_OutputMessage">
        <wsdl:part name="parameters" element="tns:SetDirtyResponse" />
    </wsdl:message>
    <wsdl:message
        name="PersistedDictionaryService_SetDirty_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message
        name="PersistedDictionaryService_GetEntriesAndSetClean_InputMessage">
        <wsdl:part name="parameters" element="tns:GetEntriesAndSetClean" />
    </wsdl:message>
    <wsdl:message
        name="PersistedDictionaryService_GetEntriesAndSetClean_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetEntriesAndSetCleanResponse" />
    </wsdl:message>
    <wsdl:message
        name="PersistedDictionaryService_GetEntriesAndSetClean_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="PersistedDictionaryService_Add_InputMessage">
        <wsdl:part name="parameters" element="tns:Add" />
    </wsdl:message>
    <wsdl:message name="PersistedDictionaryService_Add_OutputMessage">
        <wsdl:part name="parameters" element="tns:AddResponse" />
    </wsdl:message>
    <wsdl:message
        name="PersistedDictionaryService_Add_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="PersistedDictionaryService_ChangeName_InputMessage">
        <wsdl:part name="parameters" element="tns:ChangeName" />
    </wsdl:message>
    <wsdl:message name="PersistedDictionaryService_ChangeName_OutputMessage">
        <wsdl:part name="parameters" element="tns:ChangeNameResponse" />
    </wsdl:message>
    <wsdl:message
        name="PersistedDictionaryService_ChangeName_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="PersistedDictionaryService_GetAll_InputMessage">
        <wsdl:part name="parameters" element="tns:GetAll" />
    </wsdl:message>
    <wsdl:message name="PersistedDictionaryService_GetAll_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetAllResponse" />
    </wsdl:message>
    <wsdl:message
        name="PersistedDictionaryService_GetAll_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="PersistedDictionaryService_Get_InputMessage">
        <wsdl:part name="parameters" element="tns:Get" />
    </wsdl:message>
    <wsdl:message name="PersistedDictionaryService_Get_OutputMessage">

```

```

    <wsdl:part name="parameters" element="tns:GetResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_Get_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_Contains_InputMessage">
  <wsdl:part name="parameters" element="tns:Contains" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_Contains_OutputMessage">
  <wsdl:part name="parameters" element="tns:ContainsResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_Contains_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_Remove_InputMessage">
  <wsdl:part name="parameters" element="tns:Remove" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_Remove_OutputMessage">
  <wsdl:part name="parameters" element="tns:RemoveResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_Remove_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_Count_InputMessage">
  <wsdl:part name="parameters" element="tns:Count" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_Count_OutputMessage">
  <wsdl:part name="parameters" element="tns:CountResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_Count_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_RemoveAll_InputMessage">
  <wsdl:part name="parameters" element="tns:RemoveAll" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_RemoveAll_OutputMessage">
  <wsdl:part name="parameters" element="tns:RemoveAllResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_RemoveAll_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_Clear_InputMessage">
  <wsdl:part name="parameters" element="tns:Clear" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_Clear_OutputMessage">
  <wsdl:part name="parameters" element="tns:ClearResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_Clear_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_AddEntry_InputMessage">
  <wsdl:part name="parameters" element="tns:AddEntry" />
</wsdl:message>

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```

<wsdl:message name="PersistedDictionaryService_AddEntry_OutputMessage">
  <wsdl:part name="parameters" element="tns:AddEntryResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_AddEntry_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_GetAllEntries_InputMessage">
  <wsdl:part name="parameters" element="tns:GetAllEntries" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_GetAllEntries_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetAllEntriesResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_GetAllEntries_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_GetEntries_InputMessage">
  <wsdl:part name="parameters" element="tns:GetEntries" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_GetEntries_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetEntriesResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_GetEntries_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_ContainsEntry_InputMessage">
  <wsdl:part name="parameters" element="tns:ContainsEntry" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_ContainsEntry_OutputMessage">
  <wsdl:part name="parameters" element="tns:ContainsEntryResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_ContainsEntry_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_ContainsEntryKey_InputMessage">
  <wsdl:part name="parameters" element="tns:ContainsEntryKey" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_ContainsEntryKey_OutputMessage">
  <wsdl:part name="parameters" element="tns:ContainsEntryKeyResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_ContainsEntryKey_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_RemoveEntry_InputMessage">
  <wsdl:part name="parameters" element="tns:RemoveEntry" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_RemoveEntry_OutputMessage">
  <wsdl:part name="parameters" element="tns:RemoveEntryResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_RemoveEntry_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>

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```

<wsdl:message name="PersistedDictionaryService_RemoveEntryKey_InputMessage">
  <wsdl:part name="parameters" element="tns:RemoveEntryKey" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_RemoveEntryKey_OutputMessage">
  <wsdl:part name="parameters" element="tns:RemoveEntryKeyResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_RemoveEntryKey_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_GetEntryValue_InputMessage">
  <wsdl:part name="parameters" element="tns:GetEntryValue" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_GetEntryValue_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetEntryValueResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_GetEntryValue_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_SetEntryValue_InputMessage">
  <wsdl:part name="parameters" element="tns:SetEntryValue" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_SetEntryValue_OutputMessage">
  <wsdl:part name="parameters" element="tns:SetEntryValueResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_SetEntryValue_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_GetEntryKeys_InputMessage">
  <wsdl:part name="parameters" element="tns:GetEntryKeys" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_GetEntryKeys_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetEntryKeysResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_GetEntryKeys_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_GetEntryValues_InputMessage">
  <wsdl:part name="parameters" element="tns:GetEntryValues" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_GetEntryValues_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetEntryValuesResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_GetEntryValues_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_CountEntries_InputMessage">
  <wsdl:part name="parameters" element="tns:CountEntries" />
</wsdl:message>
<wsdl:message name="PersistedDictionaryService_CountEntries_OutputMessage">
  <wsdl:part name="parameters" element="tns:CountEntriesResponse" />
</wsdl:message>
<wsdl:message
  name="PersistedDictionaryService_CountEntries_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />

```



```

</wsdl:message>
<wsdl:portType name="PersistedDictionaryService">
  <wsdl:operation name="IsDirty">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvice/IsDirty"
    message="tns:PersistedDictionaryService_IsDirty_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvice/IsDirtyResponse"
    message="tns:PersistedDictionaryService_IsDirty_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvice/IsDirtyAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_IsDirty_AdminExceptionWCFFault_FaultMessage"
  />
</wsdl:operation>
<wsdl:operation name="SetDirty">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvice/SetDirty"
    message="tns:PersistedDictionaryService_SetDirty_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvice/SetDirtyResponse"
    message="tns:PersistedDictionaryService_SetDirty_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvice/SetDirtyAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_SetDirty_AdminExceptionWCFFault_FaultMessage"
  />
</wsdl:operation>
<wsdl:operation name="GetEntriesAndSetClean">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvice/GetEntriesAndSetClean"
    message="tns:PersistedDictionaryService_GetEntriesAndSetClean_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvice/GetEntriesAndSetCleanResponse"
    message="tns:PersistedDictionaryService_GetEntriesAndSetClean_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvice/GetEntriesAndSetCleanAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_GetEntriesAndSetClean_AdminExceptionWCFFault_FaultMes
sage" />
</wsdl:operation>
<wsdl:operation name="Add">

```

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        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/Add"
    message="tns:PersistedDictionaryService_Add_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/AddResponse"
    message="tns:PersistedDictionaryService_Add_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/AddAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_Add_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="ChangeName">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/ChangeName"
    message="tns:PersistedDictionaryService_ChangeName_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/ChangeNameResponse"
    message="tns:PersistedDictionaryService_ChangeName_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/ChangeNameAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_ChangeName_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetAll">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetAll"
    message="tns:PersistedDictionaryService_GetAll_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetAllResponse"
    message="tns:PersistedDictionaryService_GetAll_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetAllAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_GetAll_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="Get">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/Get"
    message="tns:PersistedDictionaryService_Get_InputMessage" />

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        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetResponse"
    message="tns:PersistedDictionaryService_Get_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_Get_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="Contains">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/Contains"
    message="tns:PersistedDictionaryService_Contains_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/ContainsResponse"
    message="tns:PersistedDictionaryService_Contains_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/ContainsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_Contains_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="Remove">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/Remove"
    message="tns:PersistedDictionaryService_Remove_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/RemoveResponse"
    message="tns:PersistedDictionaryService_Remove_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/RemoveAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_Remove_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="Count">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/Count"
    message="tns:PersistedDictionaryService_Count_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/CountResponse"
    message="tns:PersistedDictionaryService_Count_OutputMessage" />

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        <wsdl:fault
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/CountAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_Count_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="RemoveAll">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/RemoveAll"
    message="tns:PersistedDictionaryService_RemoveAll_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/RemoveAllResponse"
    message="tns:PersistedDictionaryService_RemoveAll_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/RemoveAllAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_RemoveAll_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="Clear">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/Clear"
    message="tns:PersistedDictionaryService_Clear_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/ClearResponse"
    message="tns:PersistedDictionaryService_Clear_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/ClearAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:PersistedDictionaryService_Clear_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="AddEntry">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/AddEntry"
    message="tns:PersistedDictionaryService_AddEntry_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/AddEntryResponse"
    message="tns:PersistedDictionaryService_AddEntry_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/AddEntryAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

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        message="tns:PersistedDictionaryService_AddEntry_AdminExceptionWCFFault_FaultMessage"
    />
    </wsdl:operation>
    <wsdl:operation name="GetAllEntries">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetAllEntries"
        message="tns:PersistedDictionaryService_GetAllEntries_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetAllEntriesResponse"
        message="tns:PersistedDictionaryService_GetAllEntries_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetAllEntriesAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_GetAllEntries_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetEntries">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetEntries"
        message="tns:PersistedDictionaryService_GetEntries_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetEntriesResponse"
        message="tns:PersistedDictionaryService_GetEntries_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/GetEntriesAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_GetEntries_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="ContainsEntry">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/ContainsEntry"
        message="tns:PersistedDictionaryService_ContainsEntry_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/ContainsEntryResponse"
        message="tns:PersistedDictionaryService_ContainsEntry_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvic/ContainsEntryAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_ContainsEntry_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="ContainsEntryKey">

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        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/ContainsEntryKey"
    message="tns:PersistedDictionaryService_ContainsEntryKey_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/ContainsEntryKeyResponse"
    message="tns:PersistedDictionaryService_ContainsEntryKey_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/ContainsEntryKeyAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_ContainsEntryKey_AdminExceptionWCFFault_FaultMessage"
/>
        </wsdl:operation>
        <wsdl:operation name="RemoveEntry">
            <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/RemoveEntry"
    message="tns:PersistedDictionaryService_RemoveEntry_InputMessage" />
            <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/RemoveEntryResponse"
    message="tns:PersistedDictionaryService_RemoveEntry_OutputMessage" />
            <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/RemoveEntryAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_RemoveEntry_AdminExceptionWCFFault_FaultMessage" />
            </wsdl:operation>
            <wsdl:operation name="RemoveEntryKey">
                <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/RemoveEntryKey"
    message="tns:PersistedDictionaryService_RemoveEntryKey_InputMessage" />
                <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/RemoveEntryKeyResponse"
    message="tns:PersistedDictionaryService_RemoveEntryKey_OutputMessage" />
                <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/RemoveEntryKeyAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_RemoveEntryKey_AdminExceptionWCFFault_FaultMessage"
/>
            </wsdl:operation>
            <wsdl:operation name="GetEntryValue">
                <wsdl:input

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValue"
    message="tns:PersistedDictionaryService_GetEntryValue_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValueResponse"
    message="tns:PersistedDictionaryService_GetEntryValue_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValueAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_GetEntryValue_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="SetEntryValue">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/SetEntryValue"
    message="tns:PersistedDictionaryService_SetEntryValue_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/SetEntryValueResponse"
    message="tns:PersistedDictionaryService_SetEntryValue_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/SetEntryValueAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_SetEntryValue_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetEntryKeys">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryKeys"
    message="tns:PersistedDictionaryService_GetEntryKeys_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryKeysResponse"
    message="tns:PersistedDictionaryService_GetEntryKeys_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryKeysAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_GetEntryKeys_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetEntryValues">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValues"
    message="tns:PersistedDictionaryService_GetEntryValues_InputMessage" />

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        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/GetEntryValuesResponse"
    message="tns:PersistedDictionaryService_GetEntryValues_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/GetEntryValuesAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_GetEntryValues_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="CountEntries">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/CountEntries"
    message="tns:PersistedDictionaryService_CountEntries_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/CountEntriesResponse"
    message="tns:PersistedDictionaryService_CountEntries_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySe
rvce/CountEntriesAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:PersistedDictionaryService_CountEntries_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    </wsdl:portType>
    <wsdl:binding name="BasicHttpBinding_PersistedDictionaryService" type="tns:
PersistedDictionaryService">
    <wsp:PolicyReference URI="#BasicHttpBinding_PersistedDictionaryService_policy"/>
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
    <wsdl:operation
name="IsDirty">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySer
vice/IsDirty"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SetDirty">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySer
vice/SetDirty"
    style="document" />
    <wsdl:input>

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        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntriesAndSetClean">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySer
vice/GetEntriesAndSetClean"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="Add">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySer
vice/Add"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ChangeName">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionarySer
vice/ChangeName"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAll">
    <soap12:operation

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soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAll"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="Get">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Get"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="Contains">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Contains"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="Remove">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/Remove"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />

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        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="Count">
        <soap12:operation
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveAll">
        <soap12:operation
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="Clear">
        <soap12:operation
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="AddEntry">
        <soap12:operation
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>

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        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllEntries">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetAllEntries"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntries">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntries"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ContainsEntry">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntry"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ContainsEntryKey">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/ContainsEntryKey"
        style="document" />

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        <wsdl:input>
          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
    <wsdl:operation name="RemoveEntry">
      <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveEntry"
        style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RemoveEntryKey">
      <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/RemoveEntryKey"
        style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetEntryValue">
      <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValue"
        style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SetEntryValue">

```

```

        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/SetEntryValue"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntryKeys">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryKeys"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntryValues">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/GetEntryValues"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CountEntries">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/PersistedDictionaryService/CountEntries"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">

```

```

        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
</wsdl:binding>
<!-------SECURE BINDINGS HERE ----->

</wsdl:definitions>

```

6.5 CompiledDictionaryService Web Service WSDL

```

<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions name="CompiledDictionaryServiceImpl"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
    xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
    xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-
1.0.xsd"
    xmlns:msa="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:tns="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
    xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/">
    <wsp:Policy wsu:Id="BasicHttpBinding_CompiledDictionaryService_policy">
        <wsp:ExactlyOne>
            <wsp:All>
                <http:NtlmAuthentication/>
            </wsp:All>
        </wsp:ExactlyOne>
    </wsp:Policy>

    <wsp:Policy wsu:Id="BasicHttpBinding_CompiledDictionaryServiceSecure_policy">
        <wsp:ExactlyOne>
            <wsp:All>
                <http:NtlmAuthentication/>
                <sp:TransportBinding>
                    <wsp:Policy>
                        <sp:TransportToken>
                            <wsp:Policy>
                                <sp:HttpsToken RequireClientCertificate="false"/>
                            </wsp:Policy>
                        </sp:TransportToken>
                        <sp:AlgorithmSuite>
                            <wsp:Policy>
                                <sp:Basic256/>
                            </wsp:Policy>
                        </sp:AlgorithmSuite>
                        <sp:Layout>
                            <wsp:Policy>
                                <sp:Strict/>
                            </wsp:Policy>
                        </sp:Layout>
                    </wsp:Policy>
                </sp:TransportBinding>
            </wsp:All>
        </wsp:ExactlyOne>
    </wsp:Policy>

```

```

<wsdl:types>

  <xsd:schema elementFormDefault="qualified"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration">
    <xsd:import
      namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
    <xsd:import
      namespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic" />

    <xsd:element name="CreateCompiledDictionary">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element minOccurs="0" name="name" nillable="true"
            type="xsd:string" />
          <xsd:element minOccurs="0" name="input" nillable="true"
            type="scg:ArrayOfKeyValuePairOfstringstring" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>

    <xsd:element name="CreateCompiledDictionaryResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element minOccurs="0"
            name="CreateCompiledDictionaryResult" nillable="true" type="xsd:anyURI" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>

    <xsd:complexType name="AdminExceptionWCF">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="ErrorCode" nillable="true"
          type="xsd:string" />
        <xsd:element minOccurs="0" name="Values" nillable="true"
          type="msa:ArrayOfstring" />
      </xsd:sequence>
    </xsd:complexType>
    <xsd:element name="AdminExceptionWCF" nillable="true" type="tns:AdminExceptionWCF" />
  </xsd:schema>

  <xsd:schema elementFormDefault="qualified"
    targetNamespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic">

    <xsd:complexType name="ArrayOfKeyValuePairOfstringstring">
      <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded"
          name="KeyValuePairOfstringstring" type="scg:KeyValuePairOfstringstring" />
      </xsd:sequence>
    </xsd:complexType>

    <xsd:complexType name="KeyValuePairOfstringstring">
      <xsd:annotation>
        <xsd:appinfo>
          <GenericType Name="KeyValuePairOf{0}{1}{#}"
            Namespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic"
            xmlns="http://schemas.microsoft.com/2003/10/Serialization/">
            <GenericParameter Name="string"
              Namespace="http://www.w3.org/2001/XMLSchema" />
            <GenericParameter Name="string"

```



```

        Namespace="http://www.w3.org/2001/XMLSchema" />
    </GenericType>
    <IsValueType>
    xmlns="http://schemas.microsoft.com/2003/10/Serialization/">true</IsValueType>
    </xsd:appinfo>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="key" nillable="true" type="xsd:string" />
        <xsd:element name="value" nillable="true" type="xsd:string" />
    </xsd:sequence>
    </xsd:complexType>
</xsd:schema>

<xsd:schema elementFormDefault="qualified"
    targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
    <xsd:complexType name="ArrayOfstring">
        <xsd:sequence>
            <xsd:element minOccurs="0" maxOccurs="unbounded" name="string"
                nillable="true" type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:schema>

</wsdl:types>

<wsdl:message
    name="CompiledDictionaryService_CreateCompiledDictionary_InputMessage">
    <wsdl:part name="parameters" element="tns:CreateCompiledDictionary" />
</wsdl:message>
<wsdl:message
    name="CompiledDictionaryService_CreateCompiledDictionary_OutputMessage">
    <wsdl:part name="parameters" element="tns:CreateCompiledDictionaryResponse" />
</wsdl:message>
<wsdl:message
    name="CompiledDictionaryService_CreateCompiledDictionary_AdminExceptionWCFFault_FaultMessage"
    >
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:portType name="CompiledDictionaryService">
    <wsdl:operation name="CreateCompiledDictionary">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/CompiledDictionaryService/CreateCompiledDictionary"
        message="tns:CompiledDictionaryService_CreateCompiledDictionary_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/CompiledDictionaryService/CreateCompiledDictionaryResponse"
        message="tns:CompiledDictionaryService_CreateCompiledDictionary_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/CompiledDictionaryService/CreateCompiledDictionaryAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

    message="tns:CompiledDictionaryService_CreateCompiledDictionary_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>

```

```

        </wsdl:portType>
        <wsdl:binding name="BasicHttpBinding_CompiledDictionaryService" type="tns:
CompiledDictionaryService">
        <wsp:PolicyReference URI="#BasicHttpBinding_CompiledDictionaryService_policy"/>
        <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
        <wsdl:operation
name="CreateCompiledDictionary">
        <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/CompiledDictionaryServ
ice/CreateCompiledDictionary"
        style="document" />
        <wsdl:input>
        <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
        <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
        </wsdl:operation>
        </wsdl:binding>
        <!-------SECURE BINDINGS HERE ----->

</wsdl:definitions>

```

6.6 LinguisticManagerService Web Service WSDL

```

<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions name="LinguisticManagerServiceImpl"
targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-
1.0.xsd"
xmlns:msa="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:tns="http://Microsoft.SharePoint.Search.Extended.Administration"
xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/">
  <wsp:Policy wsu:Id="BasicHttpBinding_LinguisticManagerService_policy">
    <wsp:ExactlyOne>
      <wsp:All>
        <http:NtlmAuthentication/>
      </wsp:All>
    </wsp:ExactlyOne>
  </wsp:Policy>

  <wsp:Policy wsu:Id="BasicHttpBinding_LinguisticManagerServiceSecure_policy">
    <wsp:ExactlyOne>
      <wsp:All>
        <http:NtlmAuthentication/>
        <sp:TransportBinding>
          <wsp:Policy>
            <sp:TransportToken>
              <wsp:Policy>
                <sp:HttpsToken RequireClientCertificate="false"/>
              </wsp:Policy>
            </sp:TransportToken>
          </wsp:Policy>
        </sp:TransportBinding>
      </wsp:All>
    </wsp:ExactlyOne>
  </wsp:Policy>

```

```

        </wsp:Policy>
      </sp:TransportToken>
      <sp:AlgorithmSuite>
        <wsp:Policy>
          <sp:Basic256/>
        </wsp:Policy>
      </sp:AlgorithmSuite>
      <sp:Layout>
        <wsp:Policy>
          <sp:Strict/>
        </wsp:Policy>
      </sp:Layout>
    </wsp:Policy>
  </sp:TransportBinding>
</wsp:All>
</wsp:ExactlyOne>
</wsp:Policy>

<wsdl:types>

  <xsd:schema elementFormDefault="qualified"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration">
    <xsd:import
      namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />

    <xsd:simpleType name="LinguisticType">
      <xsd:restriction base="xsd:string">
        <xsd:enumeration value="SPELLCHECKING" />
        <xsd:enumeration value="ENTITYEXTRACTION" />
        <xsd:enumeration value="UNKNOWN" />
      </xsd:restriction>
    </xsd:simpleType>

    <xsd:element name="GetType">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element minOccurs="0" name="fullName" nillable="true"
            type="xsd:string" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>

    <xsd:element name="GetTypeResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element minOccurs="0" name="GetTypeResult" type="tns:LinguisticType" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>

    <xsd:complexType name="AdminExceptionWCF">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="ErrorCode" nillable="true"
          type="xsd:string" />
        <xsd:element minOccurs="0" name="Values" nillable="true"
          type="msa:ArrayOfstring" />
      </xsd:sequence>
    </xsd:complexType>
    <xsd:element name="AdminExceptionWCF" nillable="true" type="tns:AdminExceptionWCF" />
  </xsd:schema>

```

```

</xsd:schema>

<xsd:schema elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
  <xsd:complexType name="ArrayOfstring">
    <xsd:sequence>
      <xsd:element minOccurs="0" maxOccurs="unbounded" name="string"
        nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:schema>

</wsdl:types>

<wsdl:message name="LinguisticManagerService_GetType_InputMessage">
  <wsdl:part name="parameters" element="tns:GetType" />
</wsdl:message>
<wsdl:message name="LinguisticManagerService_GetType_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetTypeResponse" />
</wsdl:message>
<wsdl:message
  name="LinguisticManagerService_GetType_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:portType name="LinguisticManagerService">
  <wsdl:operation name="GetType">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticManagerServ
ice/GetType"
    message="tns:LinguisticManagerService_GetType_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticManagerServ
ice/GetTypeResponse"
    message="tns:LinguisticManagerService_GetType_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticManagerServ
ice/GetTypeAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:LinguisticManagerService_GetType_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
  </wsdl:portType>
<wsdl:binding name="BasicHttpBinding_LinguisticManagerService" type="tns:
LinguisticManagerService">
<wsp:PolicyReference URI="#BasicHttpBinding_LinguisticManagerService_policy"/>
<soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
  <wsdl:operation
    name="GetType">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/LinguisticManagerServi
ce/GetType"
    style="document" />
    <wsdl:input>
      <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal" />

```

```

        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
</wsdl:binding>
<!-------SECURE BINDINGS HERE ----->

</wsdl:definitions>

```

6.7 DeploymentService Web Service WSDL

```

<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions name="DeploymentServiceImpl"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
    xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
    xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-
1.0.xsd"
    xmlns:msa="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:tns="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
    xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/">
    <wsp:Policy wsu:Id="BasicHttpBinding_DeploymentService_policy">
        <wsp:ExactlyOne>
            <wsp:All>
                <http:NtlmAuthentication/>
            </wsp:All>
        </wsp:ExactlyOne>
    </wsp:Policy>

    <wsp:Policy wsu:Id="BasicHttpBinding_DeploymentServiceSecure_policy">
        <wsp:ExactlyOne>
            <wsp:All>
                <http:NtlmAuthentication/>
                <sp:TransportBinding>
                    <wsp:Policy>
                        <sp:TransportToken>
                            <wsp:Policy>
                                <sp:HttpsToken RequireClientCertificate="false"/>
                            </wsp:Policy>
                        </sp:TransportToken>
                        <sp:AlgorithmSuite>
                            <wsp:Policy>
                                <sp:Basic256/>
                            </wsp:Policy>
                        </sp:AlgorithmSuite>
                        <sp:Layout>
                            <wsp:Policy>
                                <sp:Strict/>
                            </wsp:Policy>
                        </sp:Layout>
                    </wsp:Policy>
                </sp:TransportBinding>
            </wsp:All>
        </wsp:ExactlyOne>
    </wsp:Policy>

```

```

</wsp:Policy>

<wsdl:types>

  <xsd:schema elementFormDefault="qualified"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration">
    <xsd:import
      namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
    <xsd:element name="Deploy">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element minOccurs="0" name="type" type="tns:LinguisticType" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:simpleType name="LinguisticType">
      <xsd:restriction base="xsd:string">
        <xsd:enumeration value="SPELLCHECKING" />
        <xsd:enumeration value="ENTITYEXTRACTION" />
        <xsd:enumeration value="UNKNOWN" />
      </xsd:restriction>
    </xsd:simpleType>
    <xsd:element name="DeployResponse">
      <xsd:complexType>
        <xsd:sequence />
      </xsd:complexType>
    </xsd:element>
    <xsd:complexType name="AdminExceptionWCF">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="ErrorCode" nillable="true"
          type="xsd:string" />
        <xsd:element minOccurs="0" name="Values" nillable="true"
          type="msa:ArrayOfstring" />
      </xsd:sequence>
    </xsd:complexType>
    <xsd:element name="AdminExceptionWCF" nillable="true"
      type="tns:AdminExceptionWCF" />
  </xsd:schema>

  <xsd:schema elementFormDefault="qualified"
    targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays">

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

</wsdl:types>

<wsdl:message name="DeploymentService_Deploy_InputMessage">
  <wsdl:part name="parameters" element="tns:Deploy" />
</wsdl:message>
<wsdl:message name="DeploymentService_Deploy_OutputMessage">
  <wsdl:part name="parameters" element="tns:DeployResponse" />
</wsdl:message>
<wsdl:message

```

```

        name="DeploymentService_Deploy_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:portType name="DeploymentService">
        <wsdl:operation name="Deploy">
            <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/DeploymentService/Deploy"
            message="tns:DeploymentService_Deploy_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/DeploymentService/DeployResponse"
            message="tns:DeploymentService_Deploy_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/DeploymentService/DeployAdminExceptionWCFFault"
            name="AdminExceptionWCFFault"
            message="tns:DeploymentService_Deploy_AdminExceptionWCFFault_FaultMessage" />
        </wsdl:operation>
    </wsdl:portType>
    <wsdl:binding name="BasicHttpBinding_DeploymentService" type="tns:DeploymentService">
    <wsp:PolicyReference URI="#BasicHttpBinding_DeploymentService_policy"/>
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
    <wsdl:operation
    name="Deploy">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/DeploymentService/Deploy"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
    </wsdl:operation>
    </wsdl:binding>
<!-------SECURE BINDINGS HERE ----->

</wsdl:definitions>

```

6.8 ContentCollectionService Web Service WSDL

```

<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions name="ContentCollectionServiceImpl"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
    xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
    xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
    xmlns:msa="http://schemas.microsoft.com/2003/10/Serialization/Arrays"

```

```

    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:tns="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
    xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
    <wsp:Policy wsu:Id="BasicHttpBinding_ContentCollectionService_policy">
      <wsp:ExactlyOne>
        <wsp:All>
          <http:NtlmAuthentication/>
        </wsp:All>
      </wsp:ExactlyOne>
    </wsp:Policy>
    <wsp:Policy wsu:Id="BasicHttpBinding_ContentCollectionServiceSecure_policy">
      <wsp:ExactlyOne>
        <wsp:All>
          <http:NtlmAuthentication/>
          <sp:TransportBinding>
            <wsp:Policy>
              <sp:TransportToken>
                <wsp:Policy>
                  <sp:HttpsToken RequireClientCertificate="false"/>
                </wsp:Policy>
              </sp:TransportToken>
              <sp:AlgorithmSuite>
                <wsp:Policy>
                  <sp:Basic256/>
                </wsp:Policy>
              </sp:AlgorithmSuite>
              <sp:Layout>
                <wsp:Policy>
                  <sp:Strict/>
                </wsp:Policy>
              </sp:Layout>
            </wsp:Policy>
          </sp:TransportBinding>
        </wsp:All>
      </wsp:ExactlyOne>
    </wsp:Policy>

    <wsdl:types>

      <xsd:schema elementFormDefault="qualified"
        targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration">

        <xsd:import
          namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />

        <xsd:element name="AddCollection">
          <xsd:complexType>
            <xsd:sequence>
              <xsd:element minOccurs="0" name="collection" nillable="true"
                type="tns:ContentCollectionDTO" />
            </xsd:sequence>
          </xsd:complexType>
        </xsd:element>
        <xsd:complexType name="ContentCollectionDTO">
          <xsd:sequence>
            <xsd:element minOccurs="0" name="Cleared" nillable="true"
              type="xsd:string" />
            <xsd:element minOccurs="0" name="Created" nillable="true"

```



```

        type="xsd:string" />
      <xsd:element minOccurs="0" name="Description" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="LastInput" nillable="true"
        type="xsd:dateTime" />
      <xsd:element minOccurs="0" name="Name" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="NumDocs" type="xsd:int" />
      <xsd:element minOccurs="0" name="Pipeline" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
  <xsd:element name="AddCollectionResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="AddCollectionResult"
          nillable="true" type="tns:ContentCollectionDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:complexType name="AdminExceptionWCF">
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ErrorCode" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="Values" nillable="true"
        type="msa:ArrayOfstring" />
    </xsd:sequence>
  </xsd:complexType>
  <xsd:element name="AdminExceptionWCF" nillable="true"
    type="tns:AdminExceptionWCF" />
  <xsd:element name="GetCollection">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="name" nillable="true"
          type="xsd:string" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="GetCollectionResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="GetCollectionResult"
          nillable="true" type="tns:ContentCollectionDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="GetAllCollections">
    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="GetAllCollectionsResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="GetAllCollectionsResult"
          nillable="true" type="tns:ArrayOfContentCollectionDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

<xsd:complexType name="ArrayOfContentCollectionDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded"
      name="ContentCollectionDTO" nillable="true" type="tns:ContentCollectionDTO" />
  </xsd:sequence>
</xsd:complexType>
<xsd:element name="ModifyCollection">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="collection" nillable="true"
        type="tns:ContentCollectionDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="ModifyCollectionResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
<xsd:element name="GetAllPipelines">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>
<xsd:element name="GetAllPipelinesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetAllPipelinesResult"
        nillable="true" type="msa:ArrayOfstring" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="DeleteCollection">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="DeleteCollectionResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="DeleteCollectionResult"
        type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="ClearCollection">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="collectionName"
        nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="resumeFeeding" type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="ClearCollectionResponse">
  <xsd:complexType>

```

```

        <xsd:sequence />
    </xsd:complexType>
</xsd:element>
</xsd:schema>

<xsd:schema elementFormDefault="qualified"
    targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
    <xsd:complexType name="ArrayOfstring">
        <xsd:sequence>
            <xsd:element minOccurs="0" maxOccurs="unbounded" name="string"
                nillable="true" type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:schema>

</wsdl:types>
<wsdl:message name="ContentCollectionService_AddCollection_InputMessage">
    <wsdl:part name="parameters" element="tns:AddCollection" />
</wsdl:message>
<wsdl:message name="ContentCollectionService_AddCollection_OutputMessage">
    <wsdl:part name="parameters" element="tns:AddCollectionResponse" />
</wsdl:message>
<wsdl:message
    name="ContentCollectionService_AddCollection_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="ContentCollectionService_GetCollection_InputMessage">
    <wsdl:part name="parameters" element="tns:GetCollection" />
</wsdl:message>
<wsdl:message name="ContentCollectionService_GetCollection_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetCollectionResponse" />
</wsdl:message>
<wsdl:message name="ContentCollectionService_GetAllCollections_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAllCollections" />
</wsdl:message>
<wsdl:message
    name="ContentCollectionService_GetAllCollections_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAllCollectionsResponse" />
</wsdl:message>
<wsdl:message
    name="ContentCollectionService_GetAllCollections_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="ContentCollectionService_ModifyCollection_InputMessage">
    <wsdl:part name="parameters" element="tns:ModifyCollection" />
</wsdl:message>
<wsdl:message name="ContentCollectionService_ModifyCollection_OutputMessage">
    <wsdl:part name="parameters" element="tns:ModifyCollectionResponse" />
</wsdl:message>
<wsdl:message
    name="ContentCollectionService_ModifyCollection_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="ContentCollectionService_GetAllPipelines_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAllPipelines" />
</wsdl:message>
<wsdl:message name="ContentCollectionService_GetAllPipelines_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAllPipelinesResponse" />
</wsdl:message>

```

```

<wsdl:message
  name="ContentCollectionService_GetAllPipelines_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="ContentCollectionService_DeleteCollection_InputMessage">
  <wsdl:part name="parameters" element="tns:DeleteCollection" />
</wsdl:message>
<wsdl:message name="ContentCollectionService_DeleteCollection_OutputMessage">
  <wsdl:part name="parameters" element="tns:DeleteCollectionResponse" />
</wsdl:message>
<wsdl:message
  name="ContentCollectionService_DeleteCollection_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="ContentCollectionService_ClearCollection_InputMessage">
  <wsdl:part name="parameters" element="tns:ClearCollection" />
</wsdl:message>
<wsdl:message name="ContentCollectionService_ClearCollection_OutputMessage">
  <wsdl:part name="parameters" element="tns:ClearCollectionResponse" />
</wsdl:message>
<wsdl:message
  name="ContentCollectionService_ClearCollection_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:portType name="ContentCollectionService">
  <wsdl:operation name="AddCollection">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionServ
ice/AddCollection"
    message="tns:ContentCollectionService_AddCollection_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionServ
ice/AddCollectionResponse"
    message="tns:ContentCollectionService_AddCollection_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionServ
ice/AddCollectionAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:ContentCollectionService_AddCollection_AdminExceptionWCFFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetCollection">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionServ
ice/GetCollection"
    message="tns:ContentCollectionService_GetCollection_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionServ
ice/GetCollectionResponse"
    message="tns:ContentCollectionService_GetCollection_OutputMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetAllCollections">
    <wsdl:input

```

```

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllCollections"
    message="tns:ContentCollectionService_GetAllCollections_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllCollectionsResponse"
    message="tns:ContentCollectionService_GetAllCollections_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllCollectionsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:ContentCollectionService_GetAllCollections_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="ModifyCollection">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ModifyCollection"
    message="tns:ContentCollectionService_ModifyCollection_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ModifyCollectionResponse"
    message="tns:ContentCollectionService_ModifyCollection_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ModifyCollectionAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:ContentCollectionService_ModifyCollection_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="GetAllPipelines">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllPipelines"
    message="tns:ContentCollectionService_GetAllPipelines_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllPipelinesResponse"
    message="tns:ContentCollectionService_GetAllPipelines_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllPipelinesAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:ContentCollectionService_GetAllPipelines_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="DeleteCollection">
    <wsdl:input

```

```

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/DeleteCollection"
    message="tns:ContentCollectionService_DeleteCollection_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/DeleteCollectionResponse"
    message="tns:ContentCollectionService_DeleteCollection_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/DeleteCollectionAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:ContentCollectionService_DeleteCollection_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="ClearCollection">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ClearCollection"
    message="tns:ContentCollectionService_ClearCollection_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ClearCollectionResponse"
    message="tns:ContentCollectionService_ClearCollection_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ClearCollectionAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:ContentCollectionService_ClearCollection_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="BasicHttpBinding_ContentCollectionService" type="tns:ContentCollectionService">
<wsp:PolicyReference URI="#BasicHttpBinding_ContentCollectionService_policy"/>
<soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
name="AddCollection">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/AddCollection"
    style="document" />
<wsdl:input>
    <soap12:body use="literal" />
</wsdl:input>
<wsdl:output>
    <soap12:body use="literal" />
</wsdl:output>
<wsdl:fault name="AdminExceptionWCFFault">
    <soap12:fault name="AdminExceptionWCFFault" use="literal" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetCollection">
    <soap12:operation

```

```

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetCollection"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetAllCollections">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllCollections"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="ModifyCollection">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/ModifyCollection"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="GetAllPipelines">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionService/GetAllPipelines"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="DeleteCollection">

```

```

        <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionServi
ce/DeleteCollection"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="ClearCollection">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/ContentCollectionServi
ce/ClearCollection"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
</wsdl:binding>
<!-------SECURE BINDINGS HERE ----->

</wsdl:definitions>

```

6.9 SchemaService Web Service WSDL

```

<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions name="SchemaServiceImpl"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
    xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
    xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-
1.0.xsd"
    xmlns:msa="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:tns="http://Microsoft.SharePoint.Search.Extended.Administration"
    xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
    xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/">
    <wsp:Policy wsu:Id="BasicHttpBinding_SchemaService_policy">
        <wsp:ExactlyOne>
            <wsp:All>
                <http:NtlmAuthentication/>
            </wsp:All>
        </wsp:ExactlyOne>
    </wsp:Policy>

```



```

<wsp:Policy wsu:Id="BasicHttpBinding_SchemaServiceSecure_policy">
  <wsp:ExactlyOne>
    <wsp:All>
      <http:NtlmAuthentication/>
      <sp:TransportBinding>
        <wsp:Policy>
          <sp:TransportToken>
            <wsp:Policy>
              <sp:HttpsToken RequireClientCertificate="false"/>
            </wsp:Policy>
          </sp:TransportToken>
          <sp:AlgorithmSuite>
            <wsp:Policy>
              <sp:Basic256/>
            </wsp:Policy>
          </sp:AlgorithmSuite>
          <sp:Layout>
            <wsp:Policy>
              <sp:Strict/>
            </wsp:Policy>
          </sp:Layout>
        </wsp:Policy>
      </sp:TransportBinding>
    </wsp:All>
  </wsp:ExactlyOne>
</wsp:Policy>

<wsdl:types>

  <xsd:schema elementFormDefault="qualified"
    targetNamespace="http://Microsoft.SharePoint.Search.Extended.Administration">

    <xsd:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />

    <xsd:import
      namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />

    <xsd:complexType name="ManagedPropertyDTO">
      <xsd:sequence>
        <xsd:element minOccurs="0" name="DecimalPlaces" type="xsd:int" />
        <xsd:element minOccurs="0" name="DeleteDisallowed" type="xsd:boolean" />
        <xsd:element minOccurs="0" name="Description" nillable="true" type="xsd:string" />
        <xsd:element minOccurs="0" name="Id" type="xsd:long" />
        <xsd:element minOccurs="0" name="IsMapped" type="xsd:boolean" />
        <xsd:element minOccurs="0" name="MappingDisallowed" type="xsd:boolean" />
        <xsd:element minOccurs="0" name="MaxIndexSize" type="xsd:int" />
        <xsd:element minOccurs="0" name="MaxResultSize" type="xsd:int" />
        <xsd:element minOccurs="0" name="MergeCrawledProperties" type="xsd:boolean" />
        <xsd:element minOccurs="0" name="Name" nillable="true" type="xsd:string" />
        <xsd:element minOccurs="0" name="Queryable" type="xsd:boolean" />
        <xsd:element minOccurs="0" name="RefinementEnabled" type="xsd:boolean" />
        <xsd:element minOccurs="0" name="ResultFallbackRef" type="xsd:long" />
        <xsd:element minOccurs="0" name="SortableType" type="xsd:int" />
        <xsd:element minOccurs="0" name="StemmingEnabled" type="xsd:boolean" />
        <xsd:element minOccurs="0" name="SubstringEnabled" type="xsd:boolean" />
        <xsd:element minOccurs="0" name="SummaryTypeValue" type="xsd:int" />
        <xsd:element minOccurs="0" name="Type" type="xsd:int" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:schema>

```

```

</xsd:complexType>

<xsd:complexType name="RefinerConfigurationDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="Algorithm" nillable="true" type="xsd:int" />
    <xsd:element minOccurs="0" name="Anchoring" nillable="true" type="xsd:int" />
    <xsd:element minOccurs="0" name="CutoffMaxBucket" nillable="true" type="xsd:int" />
    <xsd:element minOccurs="0" name="DefaultValue" nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="Divisor" nillable="true" type="xsd:float" />
    <xsd:element minOccurs="0" name="ID" nillable="true" type="xsd:long" />
    <xsd:element minOccurs="0" name="Intervals" nillable="true" type="xsd:int" />
    <xsd:element minOccurs="0" name="RefinementType" type="xsd:int" />
    <xsd:element minOccurs="0" name="Resolution" nillable="true" type="xsd:int" />
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="CategoryDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="CrawledPropertyCount" type="xsd:int" />
    <xsd:element minOccurs="0" name="DiscoverNewProperties" type="xsd:boolean" />
    <xsd:element minOccurs="0" name="ID" type="xsd:long" />
    <xsd:element minOccurs="0" name="MapToContents" type="xsd:boolean" />
    <xsd:element minOccurs="0" name="Name" nillable="true" type="xsd:string" />
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="FullTextIndexDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="DeleteDisallowed" type="xsd:boolean" />
    <xsd:element minOccurs="0" name="Description" nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="Id" type="xsd:long" />

    <xsd:element minOccurs="0" name="Name" nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="StemmingEnabled" type="xsd:boolean" />
    <xsd:element minOccurs="0" name="isDefault" type="xsd:boolean" />
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="CrawledPropertyDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="CategoryName"
      nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="Id" type="xsd:long" />
    <xsd:element minOccurs="0" name="IsMappedToContents"
      type="xsd:boolean" />
    <xsd:element minOccurs="0" name="IsMultiValued" type="xsd:boolean" />
    <xsd:element minOccurs="0" name="IsNameEnum" type="xsd:boolean" />
    <xsd:element minOccurs="0" name="Name" nillable="true"
      type="xsd:string" />
    <xsd:element minOccurs="0" name="Propset" type="ser:guid" />
    <xsd:element minOccurs="0" name="VariantType" type="xsd:int" />
  </xsd:sequence>
</xsd:complexType>

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

```

```

        </xsd:complexType>
    </xsd:element>

    <xsd:element name="ContainsCategoryByNameResponse">
        <xsd:complexType>
            <xsd:sequence>
                <xsd:element minOccurs="0" name="ContainsCategoryByNameResult" type="xsd:boolean"
/>
            </xsd:sequence>
        </xsd:complexType>
    </xsd:element>

    <xsd:complexType name="AdminExceptionWCF">
        <xsd:sequence>
            <xsd:element minOccurs="0" name="ErrorCode" nillable="true" type="xsd:string" />
            <xsd:element minOccurs="0" name="Values" nillable="true" type="msa:ArrayOfstring"
/>
        </xsd:sequence>
    </xsd:complexType>

    <xsd:element name="AdminExceptionWCF" nillable="true" type="tns:AdminExceptionWCF" />

    <xsd:element name="DeleteCategory">
        <xsd:complexType>
            <xsd:sequence>
                <xsd:element minOccurs="0" name="CategoryId" type="xsd:long" />
            </xsd:sequence>
        </xsd:complexType>
    </xsd:element>

    <xsd:element name="DeleteCategoryResponse">
        <xsd:complexType>
            <xsd:sequence />
        </xsd:complexType>
    </xsd:element>

    <xsd:element name="DeleteUnmappedProperties">
        <xsd:complexType>
            <xsd:sequence>
                <xsd:element minOccurs="0" name="CategoryId" type="xsd:long" />
            </xsd:sequence>
        </xsd:complexType>
    </xsd:element>

    <xsd:element name="DeleteUnmappedPropertiesResponse">
        <xsd:complexType>
            <xsd:sequence />
        </xsd:complexType>
    </xsd:element>

    <xsd:element name="GetUnmappedCrawledProperties">
        <xsd:complexType>
            <xsd:sequence>
                <xsd:element minOccurs="0" name="CategoryId" type="xsd:long" />
            </xsd:sequence>
        </xsd:complexType>
    </xsd:element>

    <xsd:element name="GetUnmappedCrawledPropertiesResponse">

```

```

    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0"
          name="GetUnmappedCrawledPropertiesResult" nillable="true"
          type="tns:ArrayOfCrawledPropertyDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:complexType name="ArrayOfCrawledPropertyDTO">
    <xsd:sequence>
      <xsd:element minOccurs="0" maxOccurs="unbounded"
        name="CrawledPropertyDTO" nillable="true" type="tns:CrawledPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>

  <xsd:element name="GetAllCrawledProperties">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="CategoryId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetAllCrawledPropertiesResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="GetAllCrawledPropertiesResult"
          nillable="true" type="tns:ArrayOfCrawledPropertyDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetAllCrawledPropertiesCount">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="CategoryId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetAllCrawledPropertiesCountResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0"
          name="GetAllCrawledPropertiesCountResult" type="xsd:int" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetCrawledProperty">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="propset" type="ser:guid" />
        <xsd:element minOccurs="0" name="CrawledPropertyName"
          nillable="true" type="xsd:string" />
        <xsd:element minOccurs="0" name="variantType" type="xsd:int" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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</xsd:element>

<xsd:element name="GetCrawledPropertyResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetCrawledPropertyResult"
        nillable="true" type="tns:CrawledPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="QueryCrawledProperties">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CategoryName"
        nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="filter" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="offset" type="xsd:int" />
      <xsd:element minOccurs="0" name="count" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="QueryCrawledPropertiesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="QueryCrawledPropertiesResult"
        nillable="true" type="tns:ArrayOfCrawledPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateCategory">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="category" nillable="true"
        type="tns:CategoryDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateCategoryResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetPropsetCategoryMappings">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CategoryId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetPropsetCategoryMappingsResponse">
  <xsd:complexType>
    <xsd:sequence>

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        <xsd:element minOccurs="0" name="GetPropsetCategoryMappingsResult"
            nillable="true" type="msa:ArrayOfguid" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="SetPropsetCategoryMappings">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="CategoryId" type="xsd:long" />
            <xsd:element minOccurs="0" name="propsets" nillable="true"
                type="msa:ArrayOfguid" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="SetPropsetCategoryMappingsResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateRankProfileWithDefaults">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="Name" nillable="true"
                type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateRankProfileWithDefaultsResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="CreateRankProfileWithDefaultsResult" nillable="true"
                type="tns:RankProfileDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="RankProfileDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" name="AuthorityWeight" type="xsd:int" />
        <xsd:element minOccurs="0" name="FreshnessManagedPropertyName"
            nillable="true" type="xsd:string" />
        <xsd:element minOccurs="0" name="FreshnessResolution"
            type="xsd:int" />
        <xsd:element minOccurs="0" name="FreshnessWeight" type="xsd:int" />
        <xsd:element minOccurs="0" name="ID" type="xsd:long" />
        <xsd:element minOccurs="0" name="Name" nillable="true"
            type="xsd:string" />
        <xsd:element minOccurs="0" name="PositionStopWordThreshold"
            type="xsd:long" />
        <xsd:element minOccurs="0" name="QualityWeight" type="xsd:int" />
        <xsd:element minOccurs="0" name="QueryAuthorityWeight"
            type="xsd:int" />
        <xsd:element minOccurs="0" name="RankModelName"
            nillable="true" type="xsd:string" />
    </xsd:sequence>
</xsd:complexType>

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        <xsd:element minOccurs="0" name="StopWordThreshold"
            type="xsd:long" />
        <xsd:element minOccurs="0" name="isDefault" type="xsd:boolean" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="CreateRankProfile">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="Name" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="dto" nillable="true"
                type="tns:RankProfileDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateRankProfileResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="CreateRankProfileResult"
                nillable="true" type="tns:RankProfileDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

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

<xsd:element name="ContainsRankProfileResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="ContainsRankProfileResult"
                type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

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

<xsd:element name="GetRankProfileResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetRankProfileResult"
                nillable="true" type="tns:RankProfileDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

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    </xsd:complexType>
  </xsd:element>

  <xsd:element name="MakeDefaultRankProfile">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="MakeDefaultRankProfileResponse">
    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetQualityComponentCollection">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetQualityComponentCollectionResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0"
          name="GetQualityComponentCollectionResult" nillable="true"
          type="tns:ArrayOfQualityComponentDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:complexType name="ArrayOfQualityComponentDTO">
    <xsd:sequence>
      <xsd:element minOccurs="0" maxOccurs="unbounded"
        name="QualityComponentDTO" nillable="true" type="tns:QualityComponentDTO" />
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="QualityComponentDTO">
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ManagedPropertyName"
        nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="Weight" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>

  <xsd:element name="CreateQualityComponent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
        <xsd:element minOccurs="0" name="ManagedPropertyName"
          nillable="true" type="xsd:string" />
        <xsd:element minOccurs="0" name="Weight" type="xsd:int" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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</xsd:element>

<xsd:element name="CreateQualityComponentResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateQualityComponentResult"
        nillable="true" type="tns:QualityComponentDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetFullTextIndexRankCollection">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetFullTextIndexRankCollectionResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="GetFullTextIndexRankCollectionResult"
        nillable="true" type="tns:ArrayOfFullTextIndexRankComponentDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfFullTextIndexRankComponentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded"
      name="FullTextIndexRankComponentDTO" nillable="true"
      type="tns:FullTextIndexRankComponentDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="FullTextIndexRankComponentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="ContextWeight" type="xsd:int" />
    <xsd:element minOccurs="0" name="FullTextIndexReference"
      nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="ProximityWeight" type="xsd:int" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="CreateFullTextIndexRankComponent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
      <xsd:element minOccurs="0" name="FullTextIndexReference"
        nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CreateFullTextIndexRankComponentResponse">
  <xsd:complexType>
    <xsd:sequence>

```

```

        <xsd:element minOccurs="0"
            name="CreateFullTextIndexRankComponentResult" nillable="true"
            type="tns:FullTextIndexRankComponentDTO" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="GetFreshnessManagedPropertyReference">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetFreshnessManagedPropertyReferenceResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="GetFreshnessManagedPropertyReferenceResult" nillable="true"
                type="tns:ManagedPropertyDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="SetFreshnessManagedPropertyReference">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
            <xsd:element minOccurs="0" name="ManagedPropertyName"
                nillable="true" type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="SetFreshnessManagedPropertyReferenceResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetManagedPropertyBoostCollection">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetManagedPropertyBoostCollectionResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="GetManagedPropertyBoostCollectionResult" nillable="true"
                type="tns:ArrayOfManagedPropertyBoostComponentDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

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```

<xsd:complexType name="ArrayOfManagedPropertyBoostComponentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded"
      name="ManagedPropertyBoostComponentDTO" nillable="true"
      type="tns:ManagedPropertyBoostComponentDTO" />
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ManagedPropertyBoostComponentDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="BoostValue" nillable="true"
      type="xsd:string" />
    <xsd:element minOccurs="0" name="Id" type="xsd:long" />
    <xsd:element minOccurs="0" name="ManagedPropertyName"
      nillable="true" type="xsd:string" />
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="CreateManagedPropertyBoostComponent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
      <xsd:element minOccurs="0" name="ManagedPropertyName" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="BoostValue" nillable="true"
        type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CreateManagedPropertyBoostComponentResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="CreateManagedPropertyBoostComponentResult" nillable="true"
        type="tns:ManagedPropertyBoostComponentDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateRankProfile">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="dto" nillable="true"
        type="tns:RankProfileDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateRankProfileResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="DeleteRankProfile">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="dto" nillable="true"

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```

        type="tns:RankProfileDTO" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="DeleteRankProfileResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateManagedPropertyBoostComponent">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
            <xsd:element minOccurs="0" name="dto" nillable="true"
                type="tns:ManagedPropertyBoostComponentDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateManagedPropertyBoostComponentResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="DeleteManagedPropertyBoostComponent">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
            <xsd:element minOccurs="0" name="dto" nillable="true"
                type="tns:ManagedPropertyBoostComponentDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="DeleteManagedPropertyBoostComponentResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="SetImportanceLevelWeight">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
            <xsd:element minOccurs="0" name="FullTextIndexId"
                type="xsd:long" />
            <xsd:element minOccurs="0" name="ImportanceLevel"
                type="xsd:int" />
            <xsd:element minOccurs="0" name="Weight" type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="SetImportanceLevelWeightResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

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    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetImportanceLevelWeight">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
        <xsd:element minOccurs="0" name="FullTextIndexId"
          type="xsd:long" />
        <xsd:element minOccurs="0" name="ImportanceLevel"
          type="xsd:int" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetImportanceLevelWeightResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="GetImportanceLevelWeightResult"
          type="xsd:int" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="UpdateFullTextIndexRankComponent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
        <xsd:element minOccurs="0" name="dto" nillable="true"
          type="tns:FullTextIndexRankComponentDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="UpdateFullTextIndexRankComponentResponse">
    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="DeleteFullTextIndexRankComponent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
        <xsd:element minOccurs="0" name="dto" nillable="true"
          type="tns:FullTextIndexRankComponentDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="DeleteFullTextIndexRankComponentResponse">
    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="UpdateQualityComponent">
    <xsd:complexType>
      <xsd:sequence>

```

```

        <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
        <xsd:element minOccurs="0" name="dto" nillable="true"
            type="tns:QualityComponentDTO" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="UpdateQualityComponentResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="DeleteQualityComponent">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="RankProfileId" type="xsd:long" />
            <xsd:element minOccurs="0" name="dto" nillable="true"
                type="tns:QualityComponentDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="DeleteQualityComponentResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetAllManagedProperties">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetAllManagedPropertiesResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetAllManagedPropertiesResult"
                nillable="true" type="tns:ArrayOfManagedPropertyDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfManagedPropertyDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded"
            name="ManagedPropertyDTO" nillable="true" type="tns:ManagedPropertyDTO" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetAllCategories">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetAllCategoriesResponse">
    <xsd:complexType>

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```

        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetAllCategoriesResult"
                nillable="true" type="tns:ArrayOfCategoryDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfCategoryDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded" name="CategoryDTO"
            nillable="true" type="tns:CategoryDTO" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetAllFullTextIndecies">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetAllFullTextIndeciesResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetAllFullTextIndeciesResult"
                nillable="true" type="tns:ArrayOfFullTextIndexDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfFullTextIndexDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded" name="FullTextIndexDTO"
            nillable="true" type="tns:FullTextIndexDTO" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetAllRankProfiles">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetAllRankProfilesResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetAllRankProfilesResult"
                nillable="true" type="tns:ArrayOfRankProfileDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfRankProfileDTO">
    <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded" name="RankProfileDTO"
            nillable="true" type="tns:RankProfileDTO" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="GetQueryCrawledProperties">

```

```

<xsd:complexType>
  <xsd:sequence>
    <xsd:element minOccurs="0" name="filter" nillable="true"
      type="xsd:string" />
    <xsd:element minOccurs="0" name="offset" type="xsd:int" />
    <xsd:element minOccurs="0" name="count" type="xsd:int" />
  </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="GetQueryCrawledPropertiesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetQueryCrawledPropertiesResult"
        nillable="true" type="tns:ArrayOfCrawledPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetQueryCrawledPropertiesByWildcard">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="name" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="offset" type="xsd:int" />
      <xsd:element minOccurs="0" name="count" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetQueryCrawledPropertiesByWildcardResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetQueryCrawledPropertiesByWildcardResult"
        nillable="true" type="tns:ArrayOfCrawledPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CreateManagedProperty">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="Name" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="Description"
        nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="type" type="xsd:int" />
      <xsd:element minOccurs="0" name="queryable" type="xsd:boolean" />
      <xsd:element minOccurs="0" name="sortableType" type="xsd:int" />
      <xsd:element minOccurs="0" name="enableLemmatization"
        type="xsd:boolean" />
      <xsd:element minOccurs="0" name="SummaryType" type="xsd:int" />
      <xsd:element minOccurs="0" name="mappingDisallowed"
        type="xsd:boolean" />
      <xsd:element minOccurs="0" name="deleteDisallowed"
        type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```



```

<xsd:element name="CreateManagedPropertyResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateManagedPropertyResult"
        nillable="true" type="tns:ManagedPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="SetResultFallback">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ManagedPropertyId"
        type="xsd:long" />
      <xsd:element minOccurs="0" name="ResultFallBackName"
        nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="SetResultFallbackResponse">
  <xsd:complexType>
    <xsd:sequence />
  </xsd:complexType>
</xsd:element>

<xsd:element name="CreateManagedPropertyMinimal">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="Name" nillable="true"
        type="xsd:string" />
      <xsd:element minOccurs="0" name="Description"
        nillable="true" type="xsd:string" />
      <xsd:element minOccurs="0" name="type" type="xsd:int" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CreateManagedPropertyMinimalResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="CreateManagedPropertyMinimalResult"
        nillable="true" type="tns:ManagedPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

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

<xsd:element name="DeleteManagedPropertyResponse">

```

```

    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="UpdateManagedProperty">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="managedProperty"
          nillable="true" type="tns:ManagedPropertyDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="UpdateManagedPropertyResponse">
    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetCrawledPropertyMappings">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="id" type="xsd:long" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetCrawledPropertyMappingsResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0"
          name="GetCrawledPropertyMappingsResult" nillable="true"
          type="tns:ArrayOfCrawledPropertyDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="SetCrawledPropertyMappings">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="id" type="xsd:long" />
        <xsd:element minOccurs="0" name="cpm" nillable="true"
          type="tns:ArrayOfCrawledPropertyDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="SetCrawledPropertyMappingsResponse">
    <xsd:complexType>
      <xsd:sequence />
    </xsd:complexType>
  </xsd:element>

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

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        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="ContainsManagedPropertyResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="ContainsManagedPropertyResult"
                type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

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

<xsd:element name="GetManagedPropertyResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetManagedPropertyResult"
                nillable="true" type="tns:ManagedPropertyDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetManagedPropertyById">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="id" type="xsd:long" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetManagedPropertyByIdResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetManagedPropertyByIdResult"
                nillable="true" type="tns:ManagedPropertyDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="SetRefinerConfiguration">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="ManagedPropertyId"
                type="xsd:long" />
            <xsd:element minOccurs="0" name="Refiner" nillable="true"
                type="tns:RefinerConfigurationDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

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<xsd:element name="SetRefinerConfigurationResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="SetRefinerConfigurationResult"
        nillable="true" type="tns:RefinerConfigurationDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetRefinerConfiguration">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ManagedPropertyId"
        type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetRefinerConfigurationResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetRefinerConfigurationResult"
        nillable="true" type="tns:RefinerConfigurationDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetFullTextIndexMappings">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="ManagedPropertyId"
        type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetFullTextIndexMappingsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="GetFullTextIndexMappingsResult"
        nillable="true" type="tns:ArrayOfFullTextIndexMappingDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ArrayOfFullTextIndexMappingDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded"
      name="FullTextIndexMappingDTO" nillable="true" type="tns:FullTextIndexMappingDTO"
/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="FullTextIndexMappingDTO">
  <xsd:sequence>
    <xsd:element minOccurs="0" name="FullTextIndexName"
      nillable="true" type="xsd:string" />
    <xsd:element minOccurs="0" name="ImportanceLevel" type="xsd:int" />
    <xsd:element minOccurs="0" name="ManagedPropertyName"

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        nillable="true" type="xsd:string" />
    </xsd:sequence>
</xsd:complexType>

<xsd:element name="DeleteFullTextIndexMapping">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="dto" nillable="true"
                type="tns:FullTextIndexMappingDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="DeleteFullTextIndexMappingResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateFullTextIndexMapping">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="ManagedPropertyId"
                type="xsd:long" />
            <xsd:element minOccurs="0" name="FullTextIndexId"
                type="xsd:long" />
            <xsd:element minOccurs="0" name="ImportanceLevel"
                type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateFullTextIndexMappingResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0"
                name="CreateFullTextIndexMappingResult" nillable="true"
                type="tns:FullTextIndexMappingDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateFullTextIndex">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="description"
                nillable="true" type="xsd:string" />
            <xsd:element minOccurs="0" name="lemmatizationEnabled"
                type="xsd:boolean" />
            <xsd:element minOccurs="0" name="deleteDisallowed"
                type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateFullTextIndexResponse">
    <xsd:complexType>

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        <xsd:sequence>
            <xsd:element minOccurs="0" name="CreateFullTextIndexResult"
                nillable="true" type="tns:FullTextIndexDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="MakeDefaultFullTextIndex">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="FullTextIndexName"
                nillable="true" type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="MakeDefaultFullTextIndexResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="DeleteFullTextIndex">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="FullTextIndexName"
                nillable="true" type="xsd:string" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="DeleteFullTextIndexResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateFullTextIndex">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="fullTextIndex"
                nillable="true" type="tns:FullTextIndexDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateFullTextIndexResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetMappingsForLevel">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="fullTextIndexId"
                type="xsd:long" />
            <xsd:element minOccurs="0" name="importanceLevel"
                type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

```

```

        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetMappingsForLevelResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetMappingsForLevelResult"
                nillable="true" type="tns:ArrayOfManagedPropertyDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

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

<xsd:element name="ContainsFullTextIndexResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="ContainsFullTextIndexResult"
                type="xsd:boolean" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

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

<xsd:element name="GetFullTextIndexResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetFullTextIndexResult"
                nillable="true" type="tns:FullTextIndexDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateCrawledProperty">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="propertyName"
                nillable="true" type="xsd:string" />
            <xsd:element minOccurs="0" name="propset" type="ser:guid" />
            <xsd:element minOccurs="0" name="variantType" type="xsd:int" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

```

```

<xsd:element name="CreateCrawledPropertyResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateCrawledPropertyResult"
        nillable="true" type="tns:CrawledPropertyDTO" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CreateCrawledPropertySimple">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="crawledProperty"
        nillable="true" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CreateCrawledPropertySimpleResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0"
        name="CreateCrawledPropertySimpleResult"
        type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CreateCrawledProperties">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="crawledProperties"
        nillable="true" type="msa:ArrayOfstring" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="CreateCrawledPropertiesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CreateCrawledPropertiesResult"
        type="xsd:boolean" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetMappedManagedProperties">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" name="CrawledPropertyID"
        type="xsd:long" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetMappedManagedPropertiesResponse">
  <xsd:complexType>
    <xsd:sequence>

```



```

        <xsd:element minOccurs="0"
            name="GetMappedManagedPropertiesResult" nillable="true"
            type="tns:ArrayOfManagedPropertyDTO" />
    </xsd:sequence>
</xsd:complexType>
</xsd:element>

<xsd:element name="UpdateCrawledProperty">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="crawledProperty"
                nillable="true" type="tns:CrawledPropertyDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="UpdateCrawledPropertyResponse">
    <xsd:complexType>
        <xsd:sequence />
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateCategoryProperty">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="name" nillable="true"
                type="xsd:string" />
            <xsd:element minOccurs="0" name="Propset" type="ser:guid" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="CreateCategoryPropertyResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="CreateCategoryPropertyResult"
                nillable="true" type="tns:CategoryDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetCategory">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="propset" type="ser:guid" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetCategoryResponse">
    <xsd:complexType>
        <xsd:sequence>
            <xsd:element minOccurs="0" name="GetCategoryResult"
                nillable="true" type="tns:CategoryDTO" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>

<xsd:element name="GetCategoryByName">

```

```

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

  <xsd:element name="GetCategoryByNameResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="GetCategoryByNameResult"
          nillable="true" type="tns:CategoryDTO" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="ContainsCategory">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="propset" type="ser:guid" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="ContainsCategoryResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element minOccurs="0" name="ContainsCategoryResult" type="xsd:boolean" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

<xsd:schema attributeFormDefault="qualified"
  elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/">

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

</xsd:schema>

<xsd:schema elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays">

  <xsd:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />

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

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```

    <xsd:complexType name="ArrayOfguid">
      <xsd:sequence>
        <xsd:element minOccurs="0" maxOccurs="unbounded" name="guid" type="ser:guid" />
      </xsd:sequence>
    </xsd:complexType>

  </xsd:schema>

</wsdl:types>

<wsdl:message name="SchemaService_ContainsCategoryByName_InputMessage">
  <wsdl:part name="parameters" element="tns:ContainsCategoryByName" />
</wsdl:message>
<wsdl:message name="SchemaService_ContainsCategoryByName_OutputMessage">
  <wsdl:part name="parameters" element="tns:ContainsCategoryByNameResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_ContainsCategoryByName_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_DeleteCategory_InputMessage">
  <wsdl:part name="parameters" element="tns>DeleteCategory" />
</wsdl:message>
<wsdl:message name="SchemaService_DeleteCategory_OutputMessage">
  <wsdl:part name="parameters" element="tns>DeleteCategoryResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_DeleteCategory_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_DeleteUnmappedProperties_InputMessage">
  <wsdl:part name="parameters" element="tns>DeleteUnmappedProperties" />
</wsdl:message>
<wsdl:message name="SchemaService_DeleteUnmappedProperties_OutputMessage">
  <wsdl:part name="parameters" element="tns>DeleteUnmappedPropertiesResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_DeleteUnmappedProperties_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_GetUnmappedCrawledProperties_InputMessage">
  <wsdl:part name="parameters" element="tns:GetUnmappedCrawledProperties" />
</wsdl:message>
<wsdl:message
  name="SchemaService_GetUnmappedCrawledProperties_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetUnmappedCrawledPropertiesResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_GetUnmappedCrawledProperties_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_GetAllCrawledProperties_InputMessage">
  <wsdl:part name="parameters" element="tns:GetAllCrawledProperties" />
</wsdl:message>
<wsdl:message name="SchemaService_GetAllCrawledProperties_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetAllCrawledPropertiesResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_GetAllCrawledProperties_AdminExceptionWCFFault_FaultMessage">

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    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_GetAllCrawledPropertiesCount_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAllCrawledPropertiesCount" />
</wsdl:message>
<wsdl:message
    name="SchemaService_GetAllCrawledPropertiesCount_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAllCrawledPropertiesCountResponse" />
</wsdl:message>
<wsdl:message
    name="SchemaService_GetAllCrawledPropertiesCount_AdminExceptionWCFFault_FaultMessage">
    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_GetCrawledProperty_InputMessage">
    <wsdl:part name="parameters" element="tns:GetCrawledProperty" />
</wsdl:message>
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    <wsdl:part name="parameters" element="tns:GetCrawledPropertyResponse" />
</wsdl:message>
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    name="SchemaService_GetCrawledProperty_AdminExceptionWCFFault_FaultMessage">
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</wsdl:message>
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    <wsdl:part name="parameters" element="tns:GetPropsetCategoryMappings" />
</wsdl:message>
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    <wsdl:part name="parameters" element="tns:GetPropsetCategoryMappingsResponse" />
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    <wsdl:part name="parameters" element="tns:SetPropsetCategoryMappings" />
</wsdl:message>
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    <wsdl:part name="parameters" element="tns:SetPropsetCategoryMappingsResponse" />
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  name="SchemaService_CreateRankProfileWithDefaults_InputMessage">
  <wsdl:part name="parameters" element="tns:CreateRankProfileWithDefaults" />
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  name="SchemaService_CreateRankProfileWithDefaults_OutputMessage">
  <wsdl:part name="parameters" element="tns:CreateRankProfileWithDefaultsResponse" />
</wsdl:message>
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  name="SchemaService_CreateRankProfileWithDefaults_AdminExceptionWCFFault_FaultMessage">
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<wsdl:message name="SchemaService_CreateRankProfile_InputMessage">
  <wsdl:part name="parameters" element="tns:CreateRankProfile" />
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  <wsdl:part name="parameters" element="tns:CreateRankProfileResponse" />
</wsdl:message>
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  name="SchemaService_CreateRankProfile_AdminExceptionWCFFault_FaultMessage">
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  <wsdl:part name="parameters" element="tns:GetRankProfile" />
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  <wsdl:part name="parameters" element="tns:GetRankProfileResponse" />
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  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
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  name="SchemaService_GetQualityComponentCollection_InputMessage">
  <wsdl:part name="parameters" element="tns:GetQualityComponentCollection" />

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</wsdl:message>
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  <wsdl:part name="parameters" element="tns:GetQualityComponentCollectionResponse" />
</wsdl:message>
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  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
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  <wsdl:part name="parameters" element="tns:CreateQualityComponent" />
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<wsdl:message name="SchemaService_CreateQualityComponent_OutputMessage">
  <wsdl:part name="parameters" element="tns:CreateQualityComponentResponse" />
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</wsdl:message>
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</wsdl:message>
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</wsdl:message>
<wsdl:message
  name="SchemaService_CreateFullTextIndexRankComponent_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:CreateFullTextIndexRankComponentResponse" />
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<wsdl:message
  name="SchemaService_CreateFullTextIndexRankComponent_AdminExceptionWCFFault_FaultMessage">
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</wsdl:message>
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  name="SchemaService_GetFreshnessManagedPropertyReference_InputMessage">
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</wsdl:message>
<wsdl:message
  name="SchemaService_GetFreshnessManagedPropertyReference_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:GetFreshnessManagedPropertyReferenceResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_GetFreshnessManagedPropertyReference_AdminExceptionWCFFault_FaultMessage">
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    element="tns:SetFreshnessManagedPropertyReferenceResponse" />
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</wsdl:message>
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  name="SchemaService_GetManagedPropertyBoostCollection_InputMessage">
  <wsdl:part name="parameters" element="tns:GetManagedPropertyBoostCollection" />
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  <wsdl:part name="parameters"
    element="tns:GetManagedPropertyBoostCollectionResponse" />
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  name="SchemaService_GetManagedPropertyBoostCollection_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
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<wsdl:message
  name="SchemaService_CreateManagedPropertyBoostComponent_OutputMessage">
  <wsdl:part name="parameters"
    element="tns:CreateManagedPropertyBoostComponentResponse" />
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  <wsdl:part name="parameters" element="tns:UpdateRankProfile" />
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  <wsdl:part name="parameters" element="tns:UpdateRankProfileResponse" />
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  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
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<wsdl:message name="SchemaService_DeleteRankProfile_OutputMessage">
  <wsdl:part name="parameters" element="tns>DeleteRankProfileResponse" />

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</wsdl:message>
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  <wsdl:part name="parameters" element="tns:UpdateManagedPropertyBoostComponent" />
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  <wsdl:part name="parameters"
    element="tns:UpdateManagedPropertyBoostComponentResponse" />
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  <wsdl:part name="parameters"
    element="tns>DeleteManagedPropertyBoostComponentResponse" />
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  name="SchemaService_DeleteManagedPropertyBoostComponent_AdminExceptionWCFFault_FaultMessage">
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  <wsdl:part name="parameters" element="tns:SetImportanceLevelWeight" />
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<wsdl:message name="SchemaService_SetImportanceLevelWeight_OutputMessage">
  <wsdl:part name="parameters" element="tns:SetImportanceLevelWeightResponse" />
</wsdl:message>
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</wsdl:message>
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  <wsdl:part name="parameters" element="tns:GetImportanceLevelWeightResponse" />
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  name="SchemaService_UpdateFullTextIndexRankComponent_InputMessage">
  <wsdl:part name="parameters" element="tns:UpdateFullTextIndexRankComponent" />
</wsdl:message>
<wsdl:message
  name="SchemaService_UpdateFullTextIndexRankComponent_OutputMessage">

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        <wsdl:part name="parameters"
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    <wsdl:part name="parameters" element="tns:DeleteFullTextIndexRankComponent" />
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        element="tns:DeleteFullTextIndexRankComponentResponse" />
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    <wsdl:part name="parameters" element="tns:UpdateQualityComponentResponse" />
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    <wsdl:part name="parameters" element="tns:DeleteQualityComponent" />
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<wsdl:message name="SchemaService_DeleteQualityComponent_OutputMessage">
    <wsdl:part name="parameters" element="tns:DeleteQualityComponentResponse" />
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    <wsdl:part name="parameters" element="tns:GetAllManagedProperties" />
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    <wsdl:part name="parameters" element="tns:GetAllManagedPropertiesResponse" />
</wsdl:message>
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    <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
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    <wsdl:part name="parameters" element="tns:GetAllCategoriesResponse" />
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</wsdl:message>

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    </wsdl:message>
    <wsdl:message name="SchemaService_GetAllFullTextIndecies_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetAllFullTextIndeciesResponse" />
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    </wsdl:message>
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        <wsdl:part name="parameters" element="tns:GetAllRankProfiles" />
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    </wsdl:message>
    <wsdl:message name="SchemaService_GetQueryCrawledProperties_InputMessage">
        <wsdl:part name="parameters" element="tns:GetQueryCrawledProperties" />
    </wsdl:message>
    <wsdl:message name="SchemaService_GetQueryCrawledProperties_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetQueryCrawledPropertiesResponse" />
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        <wsdl:part name="parameters" element="tns:CreateManagedProperty" />
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        <wsdl:part name="parameters" element="tns:CreateManagedPropertyResponse" />
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        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
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    <wsdl:message
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    </wsdl:message>
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    </wsdl:message>
    <wsdl:message
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<wsdl:message name="SchemaService_DeleteManagedProperty_OutputMessage">
  <wsdl:part name="parameters" element="tns:DeleteManagedPropertyResponse" />
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  <wsdl:part name="parameters" element="tns:SetCrawledPropertyMappingsResponse" />
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<wsdl:message name="SchemaService_GetManagedProperty_OutputMessage">

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    <wsdl:part name="parameters" element="tns:GetManagedPropertyResponse" />
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</wsdl:message>
<wsdl:message
  name="SchemaService_DeleteFullTextIndexMapping_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_CreateFullTextIndexMapping_InputMessage">
  <wsdl:part name="parameters" element="tns>CreateFullTextIndexMapping" />
</wsdl:message>

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<wsdl:message name="SchemaService_CreateFullTextIndexMapping_OutputMessage">
  <wsdl:part name="parameters" element="tns:CreateFullTextIndexMappingResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_CreateFullTextIndexMapping_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_CreateFullTextIndex_InputMessage">
  <wsdl:part name="parameters" element="tns:CreateFullTextIndex" />
</wsdl:message>
<wsdl:message name="SchemaService_CreateFullTextIndex_OutputMessage">
  <wsdl:part name="parameters" element="tns:CreateFullTextIndexResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_CreateFullTextIndex_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_MakeDefaultFullTextIndex_InputMessage">
  <wsdl:part name="parameters" element="tns:MakeDefaultFullTextIndex" />
</wsdl:message>
<wsdl:message name="SchemaService_MakeDefaultFullTextIndex_OutputMessage">
  <wsdl:part name="parameters" element="tns:MakeDefaultFullTextIndexResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_MakeDefaultFullTextIndex_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_DeleteFullTextIndex_InputMessage">
  <wsdl:part name="parameters" element="tns>DeleteFullTextIndex" />
</wsdl:message>
<wsdl:message name="SchemaService_DeleteFullTextIndex_OutputMessage">
  <wsdl:part name="parameters" element="tns>DeleteFullTextIndexResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_DeleteFullTextIndex_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_UpdateFullTextIndex_InputMessage">
  <wsdl:part name="parameters" element="tns:UpdateFullTextIndex" />
</wsdl:message>
<wsdl:message name="SchemaService_UpdateFullTextIndex_OutputMessage">
  <wsdl:part name="parameters" element="tns:UpdateFullTextIndexResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_UpdateFullTextIndex_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_GetMappingsForLevel_InputMessage">
  <wsdl:part name="parameters" element="tns:GetMappingsForLevel" />
</wsdl:message>
<wsdl:message name="SchemaService_GetMappingsForLevel_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetMappingsForLevelResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_GetMappingsForLevel_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_ContainsFullTextIndex_InputMessage">
  <wsdl:part name="parameters" element="tns:ContainsFullTextIndex" />

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</wsdl:message>
<wsdl:message name="SchemaService_ContainsFullTextIndex_OutputMessage">
  <wsdl:part name="parameters" element="tns:ContainsFullTextIndexResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_ContainsFullTextIndex_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_GetFullTextIndex_InputMessage">
  <wsdl:part name="parameters" element="tns:GetFullTextIndex" />
</wsdl:message>
<wsdl:message name="SchemaService_GetFullTextIndex_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetFullTextIndexResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_GetFullTextIndex_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_CreateCrawledProperty_InputMessage">
  <wsdl:part name="parameters" element="tns:CreateCrawledProperty" />
</wsdl:message>
<wsdl:message name="SchemaService_CreateCrawledProperty_OutputMessage">
  <wsdl:part name="parameters" element="tns:CreateCrawledPropertyResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_CreateCrawledProperty_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_CreateCrawledPropertySimple_InputMessage">
  <wsdl:part name="parameters" element="tns:CreateCrawledPropertySimple" />
</wsdl:message>
<wsdl:message name="SchemaService_CreateCrawledPropertySimple_OutputMessage">
  <wsdl:part name="parameters" element="tns:CreateCrawledPropertySimpleResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_CreateCrawledPropertySimple_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_CreateCrawledProperties_InputMessage">
  <wsdl:part name="parameters" element="tns:CreateCrawledProperties" />
</wsdl:message>
<wsdl:message name="SchemaService_CreateCrawledProperties_OutputMessage">
  <wsdl:part name="parameters" element="tns:CreateCrawledPropertiesResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_CreateCrawledProperties_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_GetMappedManagedProperties_InputMessage">
  <wsdl:part name="parameters" element="tns:GetMappedManagedProperties" />
</wsdl:message>
<wsdl:message name="SchemaService_GetMappedManagedProperties_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetMappedManagedPropertiesResponse" />
</wsdl:message>
<wsdl:message
  name="SchemaService_GetMappedManagedProperties_AdminExceptionWCFFault_FaultMessage">
  <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
</wsdl:message>
<wsdl:message name="SchemaService_UpdateCrawledProperty_InputMessage">

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        <wsdl:part name="parameters" element="tns:UpdateCrawledProperty" />
    </wsdl:message>
    <wsdl:message name="SchemaService_UpdateCrawledProperty_OutputMessage">
        <wsdl:part name="parameters" element="tns:UpdateCrawledPropertyResponse" />
    </wsdl:message>
    <wsdl:message
        name="SchemaService_UpdateCrawledProperty_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="SchemaService_CreateCategoryProperty_InputMessage">
        <wsdl:part name="parameters" element="tns:CreateCategoryProperty" />
    </wsdl:message>
    <wsdl:message name="SchemaService_CreateCategoryProperty_OutputMessage">
        <wsdl:part name="parameters" element="tns:CreateCategoryPropertyResponse" />
    </wsdl:message>
    <wsdl:message
        name="SchemaService_CreateCategoryProperty_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="SchemaService_GetCategory_InputMessage">
        <wsdl:part name="parameters" element="tns:GetCategory" />
    </wsdl:message>
    <wsdl:message name="SchemaService_GetCategory_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetCategoryResponse" />
    </wsdl:message>
    <wsdl:message
        name="SchemaService_GetCategory_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="SchemaService_GetCategoryByName_InputMessage">
        <wsdl:part name="parameters" element="tns:GetCategoryByName" />
    </wsdl:message>
    <wsdl:message name="SchemaService_GetCategoryByName_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetCategoryByNameResponse" />
    </wsdl:message>
    <wsdl:message
        name="SchemaService_GetCategoryByName_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:message name="SchemaService_ContainsCategory_InputMessage">
        <wsdl:part name="parameters" element="tns:ContainsCategory" />
    </wsdl:message>
    <wsdl:message name="SchemaService_ContainsCategory_OutputMessage">
        <wsdl:part name="parameters" element="tns:ContainsCategoryResponse" />
    </wsdl:message>
    <wsdl:message
        name="SchemaService_ContainsCategory_AdminExceptionWCFFault_FaultMessage">
        <wsdl:part name="detail" element="tns:AdminExceptionWCF" />
    </wsdl:message>
    <wsdl:portType name="SchemaService">
        <wsdl:operation name="ContainsCategoryByName">
            <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsCategoryByName"
                message="tns:SchemaService_ContainsCategoryByName_InputMessage" />
            <wsdl:output

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsCategoryByNameResponse"
    message="tns:SchemaService_ContainsCategoryByName_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsCategoryByNameAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_ContainsCategoryByName_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="DeleteCategory">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteCategory"
    message="tns:SchemaService_DeleteCategory_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteCategoryResponse"
    message="tns:SchemaService_DeleteCategory_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteCategoryAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_DeleteCategory_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="DeleteUnmappedProperties">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteUnmappedProperties"
    message="tns:SchemaService_DeleteUnmappedProperties_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteUnmappedPropertiesResponse"
    message="tns:SchemaService_DeleteUnmappedProperties_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteUnmappedPropertiesAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_DeleteUnmappedProperties_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetUnmappedCrawledProperties">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetUnmappedCrawledProperties"
    message="tns:SchemaService_GetUnmappedCrawledProperties_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetUnmappedCrawledPropertiesResponse"
    message="tns:SchemaService_GetUnmappedCrawledProperties_OutputMessage" />
<wsdl:fault

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetUnmappedCrawledPropertiesAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_GetUnmappedCrawledProperties_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="GetAllCrawledProperties">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllCrawledProperties"
rawledProperties"
    message="tns:SchemaService_GetAllCrawledProperties_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllCrawledPropertiesResponse"
rawledPropertiesResponse"
    message="tns:SchemaService_GetAllCrawledProperties_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllCrawledPropertiesAdminExceptionWCFFault"
rawledPropertiesAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_GetAllCrawledProperties_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetAllCrawledPropertiesCount">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllCrawledPropertiesCount"
rawledPropertiesCount"
    message="tns:SchemaService_GetAllCrawledPropertiesCount_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllCrawledPropertiesCountResponse"
rawledPropertiesCountResponse"
    message="tns:SchemaService_GetAllCrawledPropertiesCount_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllCrawledPropertiesCountAdminExceptionWCFFault"
rawledPropertiesCountAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_GetAllCrawledPropertiesCount_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="GetCrawledProperty">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCrawledProperty"
ledProperty"
    message="tns:SchemaService_GetCrawledProperty_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCrawledPropertyResponse"
ledPropertyResponse"
    message="tns:SchemaService_GetCrawledProperty_OutputMessage" />
    <wsdl:fault

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCraw
ledPropertyAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetCrawledProperty_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="QueryCrawledProperties">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/QueryCr
awledProperties"
    message="tns:SchemaService_QueryCrawledProperties_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/QueryCr
awledPropertiesResponse"
    message="tns:SchemaService_QueryCrawledProperties_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/QueryCr
awledPropertiesAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_QueryCrawledProperties_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="UpdateCategory">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateC
ategory"
    message="tns:SchemaService_UpdateCategory_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateC
ategoryResponse"
    message="tns:SchemaService_UpdateCategory_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateC
ategoryAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_UpdateCategory_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetPropsetCategoryMappings">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetProp
setCategoryMappings"
    message="tns:SchemaService_GetPropsetCategoryMappings_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetProp
setCategoryMappingsResponse"
    message="tns:SchemaService_GetPropsetCategoryMappings_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetProp
setCategoryMappingsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_GetPropsetCategoryMappings_AdminExceptionWCFFault_FaultMessage" />

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        </wsdl:operation>
        <wsdl:operation name="SetPropsetCategoryMappings">
            <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetProp
setCategoryMappings"
            message="tns:SchemaService_SetPropsetCategoryMappings_InputMessage" />
            <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetProp
setCategoryMappingsResponse"
            message="tns:SchemaService_SetPropsetCategoryMappings_OutputMessage" />
            <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetProp
setCategoryMappingsAdminExceptionWCFFault"
            name="AdminExceptionWCFFault"

message="tns:SchemaService_SetPropsetCategoryMappings_AdminExceptionWCFFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="CreateRankProfileWithDefaults">
            <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreatorR
ankProfileWithDefaults"
            message="tns:SchemaService_CreateRankProfileWithDefaults_InputMessage" />
            <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreatorR
ankProfileWithDefaultsResponse"
            message="tns:SchemaService_CreateRankProfileWithDefaults_OutputMessage" />
            <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreatorR
ankProfileWithDefaultsAdminExceptionWCFFault"
            name="AdminExceptionWCFFault"

message="tns:SchemaService_CreateRankProfileWithDefaults_AdminExceptionWCFFault_FaultMessage"
/>
        </wsdl:operation>
        <wsdl:operation name="CreateRankProfile">
            <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreatorR
ankProfile"
            message="tns:SchemaService_CreateRankProfile_InputMessage" />
            <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreatorR
ankProfileResponse"
            message="tns:SchemaService_CreateRankProfile_OutputMessage" />
            <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreatorR
ankProfileAdminExceptionWCFFault"
            name="AdminExceptionWCFFault"
            message="tns:SchemaService_CreateRankProfile_AdminExceptionWCFFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="ContainsRankProfile">
            <wsdl:input

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsRankProfile"
    message="tns:SchemaService_ContainsRankProfile_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsRankProfileResponse"
    message="tns:SchemaService_ContainsRankProfile_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsRankProfileAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_ContainsRankProfile_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="GetRankProfile">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetRankProfile"
    message="tns:SchemaService_GetRankProfile_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetRankProfileResponse"
    message="tns:SchemaService_GetRankProfile_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetRankProfileAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetRankProfile_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="MakeDefaultRankProfile">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/MadeDefaultRankProfile"
    message="tns:SchemaService_MakeDefaultRankProfile_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/MakeDefaultRankProfileResponse"
    message="tns:SchemaService_MakeDefaultRankProfile_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/MakeDefaultRankProfileAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_MakeDefaultRankProfile_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetQualityComponentCollection">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetQualityComponentCollection"
    message="tns:SchemaService_GetQualityComponentCollection_InputMessage" />
<wsdl:output

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetQualityComponentCollectionResponse"
    message="tns:SchemaService_GetQualityComponentCollection_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetQualityComponentCollectionAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_GetQualityComponentCollection_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="CreateQualityComponent">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateQualityComponent"
    message="tns:SchemaService_CreateQualityComponent_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateQualityComponentResponse"
    message="tns:SchemaService_CreateQualityComponent_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateQualityComponentAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_CreateQualityComponent_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetFullTextIndexRankCollection">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFullTextIndexRankCollection"
    message="tns:SchemaService_GetFullTextIndexRankCollection_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFullTextIndexRankCollectionResponse"
    message="tns:SchemaService_GetFullTextIndexRankCollection_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFullTextIndexRankCollectionAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_GetFullTextIndexRankCollection_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="CreateFullTextIndexRankComponent">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateFullTextIndexRankComponent"
    message="tns:SchemaService_CreateFullTextIndexRankComponent_InputMessage" />
    <wsdl:output

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateFullTextIndexRankComponentResponse"
    message="tns:SchemaService_CreateFullTextIndexRankComponent_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateFullTextIndexRankComponentAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_CreateFullTextIndexRankComponent_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetFreshnessManagedPropertyReference">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFreshnessManagedPropertyReference"
    message="tns:SchemaService_GetFreshnessManagedPropertyReference_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFreshnessManagedPropertyReferenceResponse"
    message="tns:SchemaService_GetFreshnessManagedPropertyReference_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFreshnessManagedPropertyReferenceAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_GetFreshnessManagedPropertyReference_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="SetFreshnessManagedPropertyReference">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetFreshnessManagedPropertyReference"
    message="tns:SchemaService_SetFreshnessManagedPropertyReference_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetFreshnessManagedPropertyReferenceResponse"
    message="tns:SchemaService_SetFreshnessManagedPropertyReference_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetFreshnessManagedPropertyReferenceAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_SetFreshnessManagedPropertyReference_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetManagedPropertyBoostCollection">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetManagedPropertyBoostCollection"
    message="tns:SchemaService_GetManagedPropertyBoostCollection_InputMessage" />
<wsdl:output

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetManagedPropertyBoostCollectionResponse"
  message="tns:SchemaService_GetManagedPropertyBoostCollection_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetManagedPropertyBoostCollectionAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"

message="tns:SchemaService_GetManagedPropertyBoostCollection_AdminExceptionWCFFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="CreateManagedPropertyBoostComponent">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateManagedPropertyBoostComponent"
  message="tns:SchemaService_CreateManagedPropertyBoostComponent_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateManagedPropertyBoostComponentResponse"
  message="tns:SchemaService_CreateManagedPropertyBoostComponent_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateManagedPropertyBoostComponentAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"

message="tns:SchemaService_CreateManagedPropertyBoostComponent_AdminExceptionWCFFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="UpdateRankProfile">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateRankProfile"
  message="tns:SchemaService_UpdateRankProfile_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateRankProfileResponse"
  message="tns:SchemaService_UpdateRankProfile_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateRankProfileAdminExceptionWCFFault"
  name="AdminExceptionWCFFault"
  message="tns:SchemaService_UpdateRankProfile_AdminExceptionWCFFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="DeleteRankProfile">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteRankProfile"
  message="tns:SchemaService_DeleteRankProfile_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteRankProfileResponse"

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        message="tns:SchemaService_DeleteRankProfile_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteRankProfileAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_DeleteRankProfile_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="UpdateManagedPropertyBoostComponent">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateManagedPropertyBoostComponent"
    message="tns:SchemaService_UpdateManagedPropertyBoostComponent_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateManagedPropertyBoostComponentResponse"
    message="tns:SchemaService_UpdateManagedPropertyBoostComponent_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateManagedPropertyBoostComponentAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_UpdateManagedPropertyBoostComponent_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="DeleteManagedPropertyBoostComponent">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteManagedPropertyBoostComponent"
    message="tns:SchemaService_DeleteManagedPropertyBoostComponent_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteManagedPropertyBoostComponentResponse"
    message="tns:SchemaService_DeleteManagedPropertyBoostComponent_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteManagedPropertyBoostComponentAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_DeleteManagedPropertyBoostComponent_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="SetImportanceLevelWeight">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetImportanceLevelWeight"
    message="tns:SchemaService_SetImportanceLevelWeight_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetImportanceLevelWeightResponse"
    message="tns:SchemaService_SetImportanceLevelWeight_OutputMessage" />
    <wsdl:fault

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetImportanceLevelWeightAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_SetImportanceLevelWeight_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetImportanceLevelWeight">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetImportanceLevelWeight"
    message="tns:SchemaService_GetImportanceLevelWeight_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetImportanceLevelWeightResponse"
    message="tns:SchemaService_GetImportanceLevelWeight_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetImportanceLevelWeightAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_GetImportanceLevelWeight_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="UpdateFullTextIndexRankComponent">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateFullTextIndexRankComponent"
    message="tns:SchemaService_UpdateFullTextIndexRankComponent_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateFullTextIndexRankComponentResponse"
    message="tns:SchemaService_UpdateFullTextIndexRankComponent_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateFullTextIndexRankComponentAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_UpdateFullTextIndexRankComponent_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="DeleteFullTextIndexRankComponent">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteFullTextIndexRankComponent"
    message="tns:SchemaService_DeleteFullTextIndexRankComponent_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteFullTextIndexRankComponentResponse"
    message="tns:SchemaService_DeleteFullTextIndexRankComponent_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteFullTextIndexRankComponentAdminExceptionWCFFault"

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        name="AdminExceptionWCFFault"

message="tns:SchemaService_DeleteFullTextIndexRankComponent_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="UpdateQualityComponent">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateQualityComponent"
    message="tns:SchemaService_UpdateQualityComponent_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateQualityComponentResponse"
    message="tns:SchemaService_UpdateQualityComponent_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateQualityComponentAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_UpdateQualityComponent_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="DeleteQualityComponent">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteQualityComponent"
    message="tns:SchemaService_DeleteQualityComponent_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteQualityComponentResponse"
    message="tns:SchemaService_DeleteQualityComponent_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteQualityComponentAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_DeleteQualityComponent_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetAllManagedProperties">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllManagedProperties"
    message="tns:SchemaService_GetAllManagedProperties_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllManagedPropertiesResponse"
    message="tns:SchemaService_GetAllManagedProperties_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllManagedPropertiesAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_GetAllManagedProperties_AdminExceptionWCFFault_FaultMessage" />

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        </wsdl:operation>
        <wsdl:operation name="GetAllCategories">
            <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllC
ategories"
            message="tns:SchemaService_GetAllCategories_InputMessage" />
            <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllC
ategoriesResponse"
            message="tns:SchemaService_GetAllCategories_OutputMessage" />
            <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllC
ategoriesAdminExceptionWCFFault"
            name="AdminExceptionWCFFault"
            message="tns:SchemaService_GetAllCategories_AdminExceptionWCFFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetAllFullTextIndecies">
            <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllF
ullTextIndecies"
            message="tns:SchemaService_GetAllFullTextIndecies_InputMessage" />
            <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllF
ullTextIndeciesResponse"
            message="tns:SchemaService_GetAllFullTextIndecies_OutputMessage" />
            <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllF
ullTextIndeciesAdminExceptionWCFFault"
            name="AdminExceptionWCFFault"

message="tns:SchemaService_GetAllFullTextIndecies_AdminExceptionWCFFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetAllRankProfiles">
            <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllR
ankProfiles"
            message="tns:SchemaService_GetAllRankProfiles_InputMessage" />
            <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllR
ankProfilesResponse"
            message="tns:SchemaService_GetAllRankProfiles_OutputMessage" />
            <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllR
ankProfilesAdminExceptionWCFFault"
            name="AdminExceptionWCFFault"
            message="tns:SchemaService_GetAllRankProfiles_AdminExceptionWCFFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetQueryCrawledProperties">
            <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetQuer
yCrawledProperties"

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        message="tns:SchemaService_GetQueryCrawledProperties_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetQuer
yCrawledPropertiesResponse"
    message="tns:SchemaService_GetQueryCrawledProperties_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetQuer
yCrawledPropertiesAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_GetQueryCrawledProperties_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="CreateManagedProperty">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateM
anagedProperty"
    message="tns:SchemaService_CreateManagedProperty_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateM
anagedPropertyResponse"
    message="tns:SchemaService_CreateManagedProperty_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateM
anagedPropertyAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_CreateManagedProperty_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="SetResultFallback">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetResu
ltFallback"
    message="tns:SchemaService_SetResultFallback_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetResu
ltFallbackResponse"
    message="tns:SchemaService_SetResultFallback_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetResu
ltFallbackAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_SetResultFallback_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="CreateManagedPropertyMinimal">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateM
anagedPropertyMinimal"
    message="tns:SchemaService_CreateManagedPropertyMinimal_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateM
anagedPropertyMinimalResponse"

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        message="tns:SchemaService_CreateManagedPropertyMinimal_OutputMessage" />
    </wsdl:fault>

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateManagedPropertyMinimalAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

    message="tns:SchemaService_CreateManagedPropertyMinimal_AdminExceptionWCFFault_FaultMessage"
    />
    </wsdl:operation>
    <wsdl:operation name="DeleteManagedProperty">
        <wsdl:input

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteManagedProperty"
        message="tns:SchemaService_DeleteManagedProperty_InputMessage" />
        <wsdl:output

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteManagedPropertyResponse"
        message="tns:SchemaService_DeleteManagedProperty_OutputMessage" />
        <wsdl:fault

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteManagedPropertyAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:SchemaService_DeleteManagedProperty_AdminExceptionWCFFault_FaultMessage"
    />
    </wsdl:operation>
    <wsdl:operation name="UpdateManagedProperty">
        <wsdl:input

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateManagedProperty"
        message="tns:SchemaService_UpdateManagedProperty_InputMessage" />
        <wsdl:output

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateManagedPropertyResponse"
        message="tns:SchemaService_UpdateManagedProperty_OutputMessage" />
        <wsdl:fault

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateManagedPropertyAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:SchemaService_UpdateManagedProperty_AdminExceptionWCFFault_FaultMessage"
    />
    </wsdl:operation>
    <wsdl:operation name="GetCrawledPropertyMappings">
        <wsdl:input

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCrawledPropertyMappings"
        message="tns:SchemaService_GetCrawledPropertyMappings_InputMessage" />
        <wsdl:output

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCrawledPropertyMappingsResponse"
        message="tns:SchemaService_GetCrawledPropertyMappings_OutputMessage" />
        <wsdl:fault

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCraw
ledPropertyMappingsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_GetCrawledPropertyMappings_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="SetCrawledPropertyMappings">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetCraw
ledPropertyMappings"
    message="tns:SchemaService_SetCrawledPropertyMappings_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetCraw
ledPropertyMappingsResponse"
    message="tns:SchemaService_SetCrawledPropertyMappings_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetCraw
ledPropertyMappingsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_SetCrawledPropertyMappings_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="ContainsManagedProperty">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/Contain
sManagedProperty"
    message="tns:SchemaService_ContainsManagedProperty_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/Contain
sManagedPropertyResponse"
    message="tns:SchemaService_ContainsManagedProperty_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/Contain
sManagedPropertyAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_ContainsManagedProperty_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetManagedProperty">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetMana
gedProperty"
    message="tns:SchemaService_GetManagedProperty_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetMana
gedPropertyResponse"
    message="tns:SchemaService_GetManagedProperty_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetMana
gedPropertyAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

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        message="tns:SchemaService_GetManagedProperty_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetManagedPropertyById">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetManagedPropertyById"
        message="tns:SchemaService_GetManagedPropertyById_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetManagedPropertyByIdResponse"
        message="tns:SchemaService_GetManagedPropertyById_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetManagedPropertyByIdAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:SchemaService_GetManagedPropertyById_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="SetRefinerConfiguration">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetRefinerConfiguration"
        message="tns:SchemaService_SetRefinerConfiguration_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetRefinerConfigurationResponse"
        message="tns:SchemaService_SetRefinerConfiguration_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetRefinerConfigurationAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:SchemaService_SetRefinerConfiguration_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetRefinerConfiguration">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetRefinerConfiguration"
        message="tns:SchemaService_GetRefinerConfiguration_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetRefinerConfigurationResponse"
        message="tns:SchemaService_GetRefinerConfiguration_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetRefinerConfigurationAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"

message="tns:SchemaService_GetRefinerConfiguration_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetFullTextIndexMappings">
        <wsdl:input

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFull
TextIndexMappings"
    message="tns:SchemaService_GetFullTextIndexMappings_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFull
TextIndexMappingsResponse"
    message="tns:SchemaService_GetFullTextIndexMappings_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFull
TextIndexMappingsAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_GetFullTextIndexMappings_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="DeleteFullTextIndexMapping">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteF
ullTextIndexMapping"
    message="tns:SchemaService_DeleteFullTextIndexMapping_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteF
ullTextIndexMappingResponse"
    message="tns:SchemaService_DeleteFullTextIndexMapping_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteF
ullTextIndexMappingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_DeleteFullTextIndexMapping_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="CreateFullTextIndexMapping">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateF
ullTextIndexMapping"
    message="tns:SchemaService_CreateFullTextIndexMapping_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateF
ullTextIndexMappingResponse"
    message="tns:SchemaService_CreateFullTextIndexMapping_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateF
ullTextIndexMappingAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_CreateFullTextIndexMapping_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="CreateFullTextIndex">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateF
ullTextIndex"
    message="tns:SchemaService_CreateFullTextIndex_InputMessage" />

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        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateFullTextIndexResponse"
    message="tns:SchemaService_CreateFullTextIndex_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateFullTextIndexAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_CreateFullTextIndex_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="MakeDefaultFullTextIndex">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/MakeDefaultFullTextIndex"
    message="tns:SchemaService_MakeDefaultFullTextIndex_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/MakeDefaultFullTextIndexResponse"
    message="tns:SchemaService_MakeDefaultFullTextIndex_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/MakeDefaultFullTextIndexAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_MakeDefaultFullTextIndex_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="DeleteFullTextIndex">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteFullTextIndex"
    message="tns:SchemaService_DeleteFullTextIndex_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteFullTextIndexResponse"
    message="tns:SchemaService_DeleteFullTextIndex_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteFullTextIndexAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_DeleteFullTextIndex_AdminExceptionWCFFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="UpdateFullTextIndex">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateFullTextIndex"
    message="tns:SchemaService_UpdateFullTextIndex_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateFullTextIndexResponse"

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        message="tns:SchemaService_UpdateFullTextIndex_OutputMessage" />
    </wsdl:fault>

    wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateFullTextIndexAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:SchemaService_UpdateFullTextIndex_AdminExceptionWCFFault_FaultMessage"
    />
</wsdl:operation>
<wsdl:operation name="GetMappingsForLevel">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetMappingsForLevel"
    message="tns:SchemaService_GetMappingsForLevel_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetMappingsForLevelResponse"
    message="tns:SchemaService_GetMappingsForLevel_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetMappingsForLevelAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetMappingsForLevel_AdminExceptionWCFFault_FaultMessage"
    />
</wsdl:operation>
<wsdl:operation name="ContainsFullTextIndex">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsFullTextIndex"
    message="tns:SchemaService_ContainsFullTextIndex_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsFullTextIndexResponse"
    message="tns:SchemaService_ContainsFullTextIndex_OutputMessage" />
    <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsFullTextIndexAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_ContainsFullTextIndex_AdminExceptionWCFFault_FaultMessage"
    />
</wsdl:operation>
<wsdl:operation name="GetFullTextIndex">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFullTextIndex"
    message="tns:SchemaService_GetFullTextIndex_InputMessage" />
    <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFullTextIndexResponse"
    message="tns:SchemaService_GetFullTextIndex_OutputMessage" />
    <wsdl:fault

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wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFull
TextIndexAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_GetFullTextIndex_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="CreateCrawledProperty">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateC
rawledProperty"
    message="tns:SchemaService_CreateCrawledProperty_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateC
rawledPropertyResponse"
    message="tns:SchemaService_CreateCrawledProperty_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateC
rawledPropertyAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"
    message="tns:SchemaService_CreateCrawledProperty_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="CreateCrawledPropertySimple">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateC
rawledPropertySimple"
    message="tns:SchemaService_CreateCrawledPropertySimple_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateC
rawledPropertySimpleResponse"
    message="tns:SchemaService_CreateCrawledPropertySimple_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateC
rawledPropertySimpleAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

message="tns:SchemaService_CreateCrawledPropertySimple_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="CreateCrawledProperties">
    <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateC
rawledProperties"
    message="tns:SchemaService_CreateCrawledProperties_InputMessage" />
<wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateC
rawledPropertiesResponse"
    message="tns:SchemaService_CreateCrawledProperties_OutputMessage" />
<wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateC
rawledPropertiesAdminExceptionWCFFault"
    name="AdminExceptionWCFFault"

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message="tns:SchemaService_CreateCrawledProperties_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetMappedManagedProperties">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetMappedManagedProperties"
  message="tns:SchemaService_GetMappedManagedProperties_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetMappedManagedPropertiesResponse"
  message="tns:SchemaService_GetMappedManagedProperties_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetMappedManagedProperties_AdminExceptionWCFFault"
  name="AdminExceptionWCFFault"

message="tns:SchemaService_GetMappedManagedProperties_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="UpdateCrawledProperty">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateCrawledProperty"
  message="tns:SchemaService_UpdateCrawledProperty_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateCrawledPropertyResponse"
  message="tns:SchemaService_UpdateCrawledProperty_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateCrawledProperty_AdminExceptionWCFFault"
  name="AdminExceptionWCFFault"
  message="tns:SchemaService_UpdateCrawledProperty_AdminExceptionWCFFault_FaultMessage"
/>
</wsdl:operation>
<wsdl:operation name="CreateCategoryProperty">
  <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateCategoryProperty"
  message="tns:SchemaService_CreateCategoryProperty_InputMessage" />
  <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateCategoryPropertyResponse"
  message="tns:SchemaService_CreateCategoryProperty_OutputMessage" />
  <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateCategoryProperty_AdminExceptionWCFFault"
  name="AdminExceptionWCFFault"

message="tns:SchemaService_CreateCategoryProperty_AdminExceptionWCFFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetCategory">

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        <wsdl:input
wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCategory"
        message="tns:SchemaService_GetCategory_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCategoryResponse"
        message="tns:SchemaService_GetCategory_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCategoryAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:SchemaService_GetCategory_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetCategoryByName">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCategoryByName"
        message="tns:SchemaService_GetCategoryByName_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCategoryByNameResponse"
        message="tns:SchemaService_GetCategoryByName_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCategoryByNameAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:SchemaService_GetCategoryByName_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="ContainsCategory">
        <wsdl:input

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsCategory"
        message="tns:SchemaService_ContainsCategory_InputMessage" />
        <wsdl:output

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsCategoryResponse"
        message="tns:SchemaService_ContainsCategory_OutputMessage" />
        <wsdl:fault

wsaw:Action="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/ContainsCategoryAdminExceptionWCFFault"
        name="AdminExceptionWCFFault"
        message="tns:SchemaService_ContainsCategory_AdminExceptionWCFFault_FaultMessage" />
    </wsdl:operation>
</wsdl:portType>
    <wsdl:binding name="BasicHttpBinding_SchemaService" type="tns:SchemaService">
    <wsp:PolicyReference URI="#BasicHttpBinding_SchemaService_policy"/>
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
    <wsdl:operation name="ContainsCategoryByName">
        <soap12:operation

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soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/Contains
CategoryByName"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DeleteCategory">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteCa
tegory"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DeleteUnmappedProperties">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteUn
mappedProperties"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetUnmappedCrawledProperties">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetUnmap
pedCrawledProperties"
    style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />

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        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetAllCrawledProperties">
        <soap12:operation
            soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllCrawledProperties"
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetAllCrawledPropertiesCount">
        <soap12:operation
            soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetAllCrawledPropertiesCount"
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetCrawledProperty">
        <soap12:operation
            soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetCrawledProperty"
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="QueryCrawledProperties">
        <soap12:operation
            soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/QueryCrawledProperties"
            style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>

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        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="UpdateCategory">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateCa
tegory"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetPropsetCategoryMappings">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetProps
etCategoryMappings"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SetPropsetCategoryMappings">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetProps
etCategoryMappings"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CreateRankProfileWithDefaults">
    <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateRa
nkProfileWithDefaults"
        style="document" />

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        <wsdl:input>
          <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
          <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
      </wsdl:operation>
    <wsdl:operation name="CreateRankProfile">
      <soap12:operation
        style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="ContainsRankProfile">
      <soap12:operation
        style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetRankProfile">
      <soap12:operation
        style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="MakeDefaultRankProfile">
      <soap12:operation
        style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
      </wsdl:fault>
    </wsdl:operation>
  </wsdl:operations>
</wsdl:service>

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        <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/MakeDefaultRankProfile"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetQualityComponentCollection">
        <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetQualityComponentCollection"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CreateQualityComponent">
        <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateQualityComponent"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetFullTextIndexRankCollection">
        <soap12:operation
soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFullTextIndexRankCollection"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">

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        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CreateFullTextIndexRankComponent">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateFullTextIndexRankComponent"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetFreshnessManagedPropertyReference">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetFreshnessManagedPropertyReference"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SetFreshnessManagedPropertyReference">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetFreshnessManagedPropertyReference"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetManagedPropertyBoostCollection">
    <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetManagedPropertyBoostCollection"
        style="document" />
    <wsdl:input>
        <soap12:body use="literal" />
    </wsdl:input>

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        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CreateManagedPropertyBoostComponent">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateMa
nagedPropertyBoostComponent"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="UpdateRankProfile">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateRa
nkProfile"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DeleteRankProfile">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteRa
nkProfile"
        style="document" />
        <wsdl:input>
            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="UpdateManagedPropertyBoostComponent">
        <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateMa
nagedPropertyBoostComponent"

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        style="document" />
<wsdl:input>
  <soap12:body use="literal" />
</wsdl:input>
<wsdl:output>
  <soap12:body use="literal" />
</wsdl:output>
<wsdl:fault name="AdminExceptionWCFFault">
  <soap12:fault name="AdminExceptionWCFFault" use="literal" />
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DeleteManagedPropertyBoostComponent">
  <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/DeleteMa
nagedPropertyBoostComponent"
  style="document" />
  <wsdl:input>
    <soap12:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="AdminExceptionWCFFault">
    <soap12:fault name="AdminExceptionWCFFault" use="literal" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SetImportanceLevelWeight">
  <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/SetImpor
tanceLevelWeight"
  style="document" />
  <wsdl:input>
    <soap12:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="AdminExceptionWCFFault">
    <soap12:fault name="AdminExceptionWCFFault" use="literal" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetImportanceLevelWeight">
  <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/GetImpor
tanceLevelWeight"
  style="document" />
  <wsdl:input>
    <soap12:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="AdminExceptionWCFFault">
    <soap12:fault name="AdminExceptionWCFFault" use="literal" />
  </wsdl:fault>
</wsdl:operation>

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    <wsdl:operation name="UpdateFullTextIndexRankComponent">
      <soap12:operation
        soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateFullTextIndexRankComponent"
        style="document" />
      <wsdl:input>
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    </wsdl:operation>
    <wsdl:operation name="DeleteFullTextIndexRankComponent">
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      </wsdl:output>

```

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        </wsdl:output>
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            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="GetAllCategories">
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        style="document" />
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        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="GetAllFullTextIndecies">
    <soap12:operation
        style="document" />
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            <soap12:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="AdminExceptionWCFFault">
            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
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    </wsdl:operation>
<wsdl:operation name="GetAllRankProfiles">
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```

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        </wsdl:output>
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            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
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nagedProperty"
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    </wsdl:operation>
    <wsdl:operation name="SetResultFallback">
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tFallback"
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            <soap12:fault name="AdminExceptionWCFFault" use="literal" />
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    <wsdl:operation name="CreateManagedPropertyMinimal">
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```

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    <soap12:fault name="AdminExceptionWCFFault" use="literal" />
  </wsdl:fault>
</wsdl:operation>
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  <soap12:operation

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  <wsdl:output>
    <soap12:body use="literal" />
  </wsdl:output>
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    <soap12:fault name="AdminExceptionWCFFault" use="literal" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="UpdateManagedProperty">
  <soap12:operation

soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/UpdateManagedProperty"
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  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="AdminExceptionWCFFault">
    <soap12:fault name="AdminExceptionWCFFault" use="literal" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetCrawledPropertyMappings">
  <soap12:operation

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  </wsdl:fault>

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    </wsdl:operation>
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        <soap12:operation
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            <soap12:body use="literal" />
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        <wsdl:fault name="AdminExceptionWCFFault">
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        </wsdl:fault>
    </wsdl:operation>
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        <soap12:operation
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        <wsdl:output>
            <soap12:body use="literal" />
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```

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erConfiguration"
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    <wsdl:fault name="AdminExceptionWCFFault">
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</wsdl:operation>
<wsdl:operation name="GetFullTextIndexMappings">
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<wsdl:operation name="DeleteFullTextIndexMapping">
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```

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    </wsdl:operation>
    <wsdl:operation name="CreateFullTextIndex">
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        <soap12:body use="literal" />
      </wsdl:output>
      <wsdl:fault name="AdminExceptionWCFFault">
        <soap12:fault name="AdminExceptionWCFFault" use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="DeleteFullTextIndex">

```

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        <soap12:body use="literal" />
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    <wsdl:fault name="AdminExceptionWCFFault">
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</wsdl:operation>
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dManagedProperties"
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    </wsdl:operation>
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soapAction="http://Microsoft.SharePoint.Search.Extended.Administration/SchemaService/CreateCa
tegoryProperty"
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gory"

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            </wsdl:output>
            <wsdl:fault name="AdminExceptionWCFFault">
                <soap12:fault name="AdminExceptionWCFFault" use="literal" />
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        </wsdl:operation>
        <wsdl:operation name="ContainsCategory">
            <soap12:operation
                style="document" />
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                </wsdl:input>
                <wsdl:output>
                    <soap12:body use="literal" />
                </wsdl:output>
                <wsdl:fault name="AdminExceptionWCFFault">
                    <soap12:fault name="AdminExceptionWCFFault" use="literal" />
                </wsdl:fault>
            </wsdl:operation>
        </wsdl:binding>
    <!-------SECURE BINDINGS HERE ----->

</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® FAST™ Search Server 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.

8 Change Tracking

No table of changes is available. The document is either new or has had no changes since its last release.

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