

# [MS-CSOMSPT]: SharePoint Client-Side Object Model Protocol Specification

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# 1 Introduction

This document specifies types, methods, and properties of the SharePoint Client-Side Object Model API Protocol that can be used to communicate with and manipulate aspects of a collaboration server.

## 1.1 Glossary

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

**Active Directory**  
**Coordinated Universal Time (UTC)**  
**GUID**  
**language code identifier (LCID)**  
**object**  
**principal**  
**security policy**  
**server**  
**XML**

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

**absolute URL**  
**alert**  
**anchor text**  
**attachment**  
**base field type**  
**base type**  
**base view identifier**  
**blog**  
**calendar type**  
**cascading behavior**  
**change log**  
**change token**  
**check out**  
**checked out**  
**child**  
**computed field**  
**contact**  
**content database**  
**content type**  
**content type group**  
**content type identifier**  
**content type order**  
**crawl**  
**crawler**  
**CSOM Boolean**  
**CSOM DateTime**  
**CSOM Double**  
**CSOM error**  
**CSOM expando field**  
**CSOM GUID**  
**CSOM Int32**  
**CSOM Int64**  
**CSOM Object**

**CSOM String**  
**current user**  
**current version**  
**custom action**  
**custom list**  
**data connection library**  
**data source**  
**data validation**  
**datasheet**  
**default list view**  
**default mobile list view**  
**default view**  
**dependent lookup field**  
**designer**  
**discussion board**  
**discussion item**  
**display form**  
**display name**  
**distribution list**  
**document**  
**document identifier**  
**document library**  
**document stream**  
**document template**  
**draft**  
**edit form**  
**e-mail address**  
**empty GUID**  
**Entity**  
**event**  
**exclusive lock**  
**external content type**  
**external list**  
**farm**  
**feature**  
**feature definition**  
**feature identifier**  
**feature scope**  
**field**  
**field definition**  
**field identifier**  
**field internal name**  
**field type**  
**file**  
**file extension**  
**floating-point number**  
**folder**  
**form**  
**form digest**  
**form library**  
**form template (.xsn) file**  
**formula**  
**gallery**  
**group**  
**hidden**

historical version  
host name  
HTTP referer  
hyperlink  
Hypertext Markup Language (HTML)  
icon  
indexed field  
item  
item identifier  
leaf name  
link  
link bar  
list  
list form  
list identifier  
list item  
list item attachment  
list item identifier  
list schema  
list server template  
list template  
list view  
list view page  
locked  
login name  
lookup field  
major version  
master page  
Meeting Workspace site  
member  
membership  
minor version  
mobile device  
mobile list view  
moderation status  
navigation node  
new form  
owner  
page  
page type  
paged view  
parent list  
parent site  
permission  
permission level  
personal view  
picture library  
presence  
primary lookup field  
ProgID  
public view  
published  
published version  
publishing level  
query

**Quick Launch**  
**reading order**  
**read-only mode**  
**recurrence exception**  
**Recycle Bin**  
**Recycle Bin item**  
**reference**  
**regional settings**  
**relationship delete behavior**  
**relationship lookup field**  
**resource folder**  
**restrict behavior**  
**rich text**  
**rights**  
**role assignment**  
**role definition**  
**root element**  
**root folder**  
**sealed content type**  
**securable object**  
**security group**  
**server-relative URL**  
**Session Initiation Protocol (SIP)**  
**shared lock**  
**site**  
**site collection**  
**site collection administrator**  
**site collection quota**  
**site column**  
**site content type**  
**site definition**  
**site definition configuration**  
**site identifier**  
**site template**  
**site-relative URL**  
**SpecificFinder**  
**subsite**  
**survey list**  
**task**  
**template**  
**theme**  
**thicket supporting file**  
**toolbar**  
**top-level site**  
**Uniform Resource Identifier (URI)**  
**Uniform Resource Locator (URL)**  
**user information list**  
**version**  
**view**  
**View**  
**view identifier**  
**visual upgrade**  
**Web application**  
**Web discussion**  
**Web discussion comment**

## **Web Distributed Authoring and Versioning Protocol (WebDAV)**

### **Web Part**

#### **Web Part identifier**

#### **Web Part Page**

#### **Web Part zone**

#### **Web Part zone index**

#### **Web site**

#### **Welcome page**

#### **workflow**

#### **workflow association**

#### **workflow history list**

#### **workflow identifier**

#### **workflow instance**

#### **workflow task**

#### **workflow task list**

#### **workflow template**

#### **XML document**

#### **XML fragment**

#### **XML schema**

The following terms are specific to this document:

**calculated field:** A user-defined field that can perform calculations by using the contents of other fields.

**CSOM dictionary:** An object that contains an unordered collection of key/value pairs that can be used in an XML request or JSON response text. Each key in a CSOM dictionary has a unique name.

**CSOM UInt32:** A 32-bit, unsigned integer value, which is the UINT32 type described in [MS-DTYP], that can be used in an XML request or as a number in JSON response text. The range of CSOM UInt32 values is from "0" to "4294967295".

**data validation criteria:** See data validation.

**declarative workflow:** A workflow that is created with XAML (Extensible Application Markup Language) files and does not require precompiled code to run.

**default scalar property set:** A set of properties that are retrieved by default for an object. The properties map to fields in a storage schema.

**field group:** A named collection of related fields.

**field link:** A property that specifies a reference from a content type to a field (2) or field definition.

**list definition:** An XML-based definition of the set of fields, forms, views, and default properties for a list (1).

**list folder:** A folder that is contained within a SharePoint list. A list folder can contain documents or list items, and it retains the characteristics of other items in the list, such as a customizable schema.

**personalization data:** Customized data that is stored for a set of Web Parts. The data can be shared by all users or be specific to an individual user.



**personalization scope:** A mode of the Web Part Manager that indicates whether the available data is shared by all users or specific to an individual user.

**personalized Web Parts:** A Web Part that has been modified by a user for personal use. The view of the Web Part is unavailable to other users.

**relationship behavior constraint:** A setting that defines any dependent relationships, such as cascading or restrict behaviors, between list items.

**sealed field:** A named and uniquely identifiable field (2) that cannot be changed. A seal can be removed only by a site collection administrator.

**site collection group:** A named collection of users and domain groups that can be managed for a site collection or site. A group can be used to assign permission levels, send e-mail messages, and indicate site membership for multiple users simultaneously.

**unique column constraint:** A property of a field that requires all of the values in that field to be unique.

**user custom action:** An extension to the user interface, such as a button on a toolbar or a link on a site settings page, that is submitted by a user of a site collection. Unlike a custom action, the definition of a user custom action is stored in a back-end database server.

**view style:** A pre-defined, named collection of settings that specify how to lay out data in a list view.

**workflow initiation form:** An implementation-specific file, typically an ASPX page, that is a part of a workflow. It contains fields and other elements that can be used to initiate a process for a list item, based on the rules and settings in a workflow template that is associated with the list that contains the item.

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

## 1.2 References

### 1.2.1 Normative References

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

[ECMA-262] ECMA International, "ECMAScript Language Specification" ECMA-262, December 1999, <http://www.ecma-international.org/publications/standards/Ecma-262.htm>

[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-ECTPWPS] Microsoft Corporation, "[External Content Type Picker Web Service Protocol Specification](#)"

[MS-FPSE] Microsoft Corporation, "[FrontPage Server Extensions Remote Protocol Specification](#)".

[MS-LCID] Microsoft Corporation, "[Windows Language Code Identifier \(LCID\) Reference](#)".

[MS-WPPS] Microsoft Corporation, "[Web Part Pages Web Service Protocol Specification](#)"

[MS-WSSCAML] Microsoft Corporation, "[Collaborative Application Markup Language \(CAML\) Structure Specification](#)"

[MS-WSSCAP] Microsoft Corporation, "[Windows SharePoint Services Collaborative Application Protocol Specification](#)"

[MS-WSSFO2] Microsoft Corporation, "[Windows SharePoint Services \(WSS\): File Operations Database Communications Version 2 Protocol Specification](#)".

[MS-WSSHP] Microsoft Corporation, "[HTTP Windows SharePoint Services Headers Protocol Specification](#)"

[MS-WSSTS] Microsoft Corporation, "[Windows SharePoint Services Technical Specification](#)"

[RFC1123] Braden, R., "Requirements for Internet Hosts - Application and Support", STD 3, RFC 1123, October 1989, <http://www.ietf.org/rfc/rfc1123.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>

[RFC2616] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, <http://www.ietf.org/rfc/rfc2616.txt>

### 1.2.2 Informative References

[MS-CSOM] Microsoft Corporation, "[SharePoint Client Query Protocol Specification](#)"

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

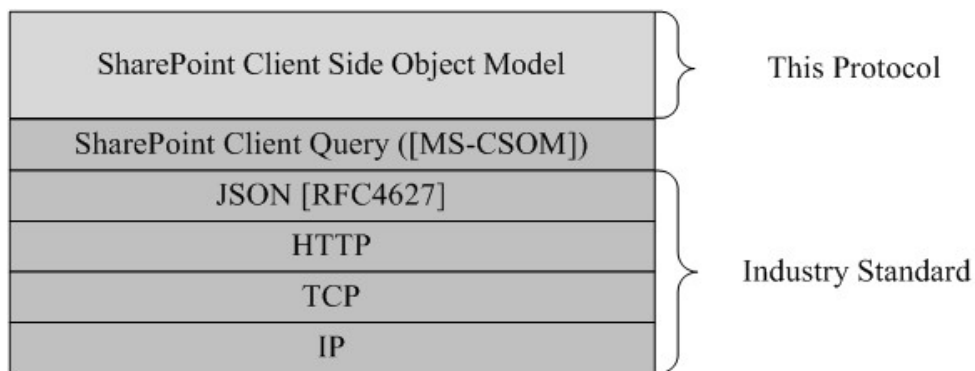
[MS-OFCGLOS] Microsoft Corporation, "[Microsoft Office Master Glossary](#)".

### 1.3 Protocol Overview (Synopsis)

This protocol defines types, methods, and properties that protocol clients use to access **site (2)**, **list(1)**, and other types of data associated with a collaboration **server (2)**. The set of types and **members(3)** provide a means for remote clients to perform collaboration and communication **tasks (1)**, such as updating **items** or checking in **documents**.

### 1.4 Relationship to Other Protocols

This protocol is a set of types, properties, and methods that can be accessed by using the SharePoint Client Query protocol as described in [\[MS-CSOM\]](#). This protocol specifies properties, methods, and types used to access a collaboration server as described in [\[MS-WSSTS\]](#).



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

## 1.5 Prerequisites/Preconditions

This protocol operates against a site (2) that is identified by a **URL** that is known by protocol clients. This protocol assumes that authentication has been performed by underlying protocols.

## 1.6 Applicability Statement

This protocol can be used as a protocol for a protocol client to read data from, write data to, and execute operations against a protocol server (2). The protocol is optimized to enable a protocol client to specify the exact set of data and operations to perform in a single batch, making it suitable for situations where the connection speed between the protocol client and the protocol server (2) can be slow. Because of the complexity of the structure of requests and responses, it is not suitable for cases where the inputs and outputs must be quickly understood and specified by a human. Because the protocol features minimal services for type and operation discovery, it is not suitable for protocol servers (2) that implement a different set of functionality compared to the set of functionality described for a collaboration server (2) in [\[MS-WSSTS\]](#).

## 1.7 Versioning and Capability Negotiation

This protocol operates in the context of the authenticated user that made a request to the service, and that it runs in the context of a particular site. Localization-specific properties, such as the title of a list, are returned by using the preferred language of the user, if available, or by using the default language of the site as a fallback. Certain properties can be read or written for specific locales, and are listed in the document.

## 1.8 Vendor-Extensible Fields

A protocol server can provide additional properties and methods beyond those specified in this document to provide extended collaboration server functionality; however, because no means are provided for a protocol client to discover that extended functionality, the functionality will be taken advantage of only by protocol clients that have built-in knowledge of the extensions.

A protocol client is expected to be tolerant of the situation where certain methods and properties specified in this specification are not available, because either the protocol server does not support the functionality or the administrator has disabled certain functionalities.

## 1.9 Standards Assignments

None.

## 2 Messages

### 2.1 Transport

[\[MS-CSOM\]](#) is used for transport.

### 2.2 Message Syntax

None.

#### 2.2.1 Common Exceptions

The protocol server (2) MUST validate the request from the protocol client and return the following exception to the protocol client under the specified conditions.

Error Code	Error Type Name	Condition
- 2130575251	Microsoft.SharePoint.Exception	The protocol server (2) requires a <b>form digest</b> but the protocol client did not send <b>X-RequestDigest</b> ( <a href="#">[MS-WSSHP]</a> section 2.2.11) HTTP header, or the form digest in the <b>X-RequestDigest</b> HTTP header is not as same as the one generated by the protocol server (2).
- 2130575252	Microsoft.SharePoint.Exception	The protocol client sent a valid form digest in <b>X-RequestDigest</b> ( <a href="#">[MS-WSSHP]</a> section 2.2.11) HTTP header, but the form digest is expired.

When a protocol server (2) processes a CSOM operation in the request, the following are common exceptions that could occur when accessing or updating a property or invoking a method.

Error Code	Error Type Name	Condition
- 2147024891	System.UnauthorizedAccessException	The user does not have <b>permission</b> to access a property, update a property or call a method.

Besides the preceding exceptions and the exceptions that are listed for the specific property or method, the protocol server (2) can return other exceptions to the protocol client, for which the protocol client could use the error message for display purpose but could not use the error code or error type to determine the causes of the exception.

## 3 Protocol Details

### 3.1 Common Details

The protocol server endpoint is formed by appending "\_vti\_bin/client.svc/ProcessQuery" to the URL of the site, for example [http://www.contoso.com/Repository/\\_vti\\_bin/client.svc/ProcessQuery](http://www.contoso.com/Repository/_vti_bin/client.svc/ProcessQuery).

The length of a **CSOM String** is the number of characters in its value. The length of a CSOM Array is the number of elements in the array.

### 3.2 Server Details

#### 3.2.1 Abstract Data Model

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

This protocol deals with various structures associated with sites (2), lists (1), items, navigation, and other structures as specified in [\[MS-WSSTS\]](#).

##### 3.2.1.1 Parent Type

This protocol deals with various types that are logically derived from a parent type. The following table lists the relation between such types.

Parent Type	Derived Type(s)
<a href="#">3.2.5.118 Microsoft.SharePoint.Client.SecurableObject</a>	<a href="#">3.2.5.79</a> Microsoft.SharePoint.Client.List <a href="#">3.2.5.87</a> Microsoft.SharePoint.Client.ListItem <a href="#">3.2.5.143</a> Microsoft.SharePoint.Client.Web
<a href="#">3.2.5.37 Microsoft.SharePoint.Client.Field</a>	<a href="#">3.2.5.44</a> Microsoft.SharePoint.Client.FieldDateTime <a href="#">3.2.5.45</a> Microsoft.SharePoint.Client.FieldGuid <a href="#">3.2.5.49</a> Microsoft.SharePoint.Client.FieldLookup <a href="#">3.2.5.51</a> Microsoft.SharePoint.Client.FieldMultiChoice <a href="#">3.2.5.52</a> Microsoft.SharePoint.Client.FieldMultiLineText <a href="#">3.2.5.53</a> Microsoft.SharePoint.Client.FieldNumber <a href="#">3.2.5.57</a> Microsoft.SharePoint.Client.FieldText <a href="#">3.2.5.59</a> Microsoft.SharePoint.Client.FieldUrl
<a href="#">3.2.5.49 Microsoft.SharePoint.Client.FieldLookup</a>	<a href="#">3.2.5.61</a> Microsoft.SharePoint.Client.FieldUser
<a href="#">3.2.5.51 Microsoft.SharePoint.Client.FieldMultiChoice</a>	<a href="#">3.2.5.40</a> Microsoft.SharePoint.Client.FieldChoice
<a href="#">3.2.5.53 Microsoft.SharePoint.Client.FieldNumber</a>	<a href="#">3.2.5.43</a> Microsoft.SharePoint.Client.FieldCurrency
<a href="#">3.2.5.50 Microsoft.SharePoint.Client.FieldLookupValue</a>	<a href="#">3.2.5.63</a> Microsoft.SharePoint.Client.FieldUserValue

### 3.2.2 Timers

None.

### 3.2.3 Initialization

None.

### 3.2.4 Higher-Layer Triggered Events

None.

### 3.2.5 Message Processing Events and Sequencing Rules

#### 3.2.5.1 Microsoft.SharePoint.Client.AddFieldOptions

**ShortName:** SP.AddFieldOptions

**Flag:** true

Specifies the control settings while adding a field.

Usage of bitwise AND, OR, and XOR operators with this enumeration are acceptable.

##### 3.2.5.1.1 Field Values

###### 3.2.5.1.1.1 DefaultValue

**Value:** 0

Specifies that no control settings were specified. The default behavior is that the new **field (1)** added to the list (1) MUST also be added to the default **content type** in the **site collection**.

###### 3.2.5.1.1.2 AddToDefaultContentType

**Value:** 1

Specifies that a new field (1) added to the list (1) MUST also be added to the default content type in the site collection.

###### 3.2.5.1.1.3 AddToNoContentType

**Value:** 2

Specifies that a new field (1) MUST NOT be added to any other content type.

###### 3.2.5.1.1.4 AddToAllContentTypes

**Value:** 4

Specifies that a new field (2) that is added to the specified list (1) MUST also be added to all content types in the site collection.

### 3.2.5.1.1.5 AddFieldInternalNameHint

**Value:** 8

Specifies adding an internal field name hint for the purpose of avoiding possible database locking or field renaming operations.

### 3.2.5.1.1.6 AddFieldToDefaultView

**Value:** 16

Specifies that a new field (2) that is added to the specified list (1) MUST also be added to the default **list view**.

### 3.2.5.1.1.7 AddFieldCheckDisplayName

**Value:** 32

Specifies to confirm that no other field (1) has the same **display name**.

## 3.2.5.2 Microsoft.SharePoint.Client.BasePermissions

**TypeId:** {DB780E5A-6BC6-41AD-8E64-9DFA761AFB6D}

**ShortName:** SP.BasePermissions

Specifies a set of built-in permissions.

### 3.2.5.2.1 Properties

#### 3.2.5.2.1.1 Scalar Properties

##### 3.2.5.2.1.1.1 High

**Type:** **CSOM UInt32**

**Accessibility:** Read/Write

Specifies the most-significant 32 bits of the **BasePermissions** uint. The following table indicates the significance of having a particular bit set (bits are numbered 1 to 32 from right to left).

Bit Number	Permission Name	Explanation
5	<b>UseClientIntegration</b>	Enables user to launch client applications.
6	<b>UseRemoteAPIs</b>	Allow use of SOAP (Simple Object Access Protocol), <b>WebDAV</b> , or <a href="#">[MS-FPSE]</a> to access the site (2).
7	<b>ManageAlerts</b>	Manage alerts for all users of the site (2).
8	<b>CreateAlerts</b>	Create e-mail alerts.
9	<b>EditMyUserInfo</b>	Allows a user to change his or her user information, such as adding a picture.
31	<b>EnumeratePermissions</b>	Enumerate permissions on site (2), list (1), <b>folder</b> , document,

Bit Number	Permission Name	Explanation
		or <b>list item</b> .

### 3.2.5.2.1.1.2 Low

**Type:** CSOM UInt32

**Accessibility:** Read/Write

Specifies the least-significant 32 bits of the **BasePermissions** uint. The following table indicates the significance of having a particular bit set (bits are numbered 1 to 32 from right to left).

Bit Number	Permission Name	Explanation
1	<b>ViewListItems</b>	View items in lists (1), documents in <b>document libraries</b> , and <b>Web discussion comments</b> .
2	<b>AddListItems</b>	Add items to lists (1), documents to document libraries, and <b>Web discussion</b> .
3	<b>EditListItems</b>	Edit items in lists (1), edit documents in document libraries, edit Web discussion comments in documents, and customize <b>Web Part Pages</b> in document libraries.
4	<b>DeleteListItems</b>	Delete items from a list (1), documents from a document library, and Web discussion comments in documents.
5	<b>ApproveItems</b>	Approve a <b>minor version</b> of a list item or document.
6	<b>OpenItems</b>	View the source of documents with protocol server-side <b>file</b> handlers.
7	<b>ViewVersions</b>	View past <b>versions</b> of a list item or document.
8	<b>DeleteVersions</b>	Delete past versions of a list item or document.
9	<b>CancelCheckout</b>	Discard or check in a document which is <b>checked out</b> to another user.
10	<b>ManagePersonalViews</b>	Create, change, and delete <b>personal views</b> of lists (1).
12	<b>ManageLists</b>	Create and delete lists (1), add or remove columns in a list (1), and add or remove <b>public views</b> of a list (1).
13	<b>ViewFormPages</b>	View forms, <b>views</b> , and application pages, and enumerate lists (1).
17	<b>Open</b>	Allow users to open a site (2), list (1), or folder to access items inside that container.
18	<b>ViewPages</b>	View pages in a site (2).
19	<b>AddAndCustomizePages</b>	Add, change, or delete <b>HTML</b> pages or Web Part Pages, and edit the site (2) by using a compatible editor.



Bit Number	Permission Name	Explanation
20	<b>ApplyThemeAndBorder</b>	Apply a <b>theme</b> or borders to the entire site (2).
21	<b>ApplyStyleSheets</b>	Apply a style sheet (.css file) to the site (2).
22	<b>ViewUsageData</b>	View reports on site (2) usage.
23	<b>CreateSSCSite</b>	Create a site (2) by using self-service site (1) creation feature.
24	<b>ManageSubwebs</b>	Create <b>subsites</b> such as team sites (2), <b>Meeting Workspace sites</b> , and Document Workspace sites (2).
25	<b>CreateGroups</b>	Create a <b>group (2)</b> of users that can be used anywhere within the site collection.
26	<b>ManagePermissions</b>	Create and change <b>permission levels</b> on the site (2) and assign permissions to users and groups.
27	<b>BrowseDirectories</b>	Enumerate files and folders in a site (2) by using <a href="#">[MS-FPSE]</a> and WebDAV interfaces.
28	<b>BrowseUserInfo</b>	View information about users of the site (2).
29	<b>AddDelPrivateWebParts</b>	Add or remove personal <b>Web Parts</b> on a Web Part Page.
30	<b>UpdatePersonalWebParts</b>	Update Web Parts to display personalized information.
31	<b>ManageWeb</b>	Grant the ability for a <b>site collection administrator</b> to perform all administration tasks (1) for the site (2) as well as manage content, activate, deactivate, or edit properties of Site scoped Features through the <b>object (3)</b> model or through the user interface (UI).

### 3.2.5.2.1.2 ObjectPath Properties

None.

### 3.2.5.3 Microsoft.SharePoint.Client.BaseType

**ShortName:** SP.BaseType

**Flag:** false

Specified in [\[MS-WSSTS\]](#) section 2.5.

#### 3.2.5.3.1 Field Values

##### 3.2.5.3.1.1 None

**Value:** -1

Specifies that no **base type** is specified.

#### 3.2.5.3.1.2 GenericList

**Value:** 0

Specifies a base type for lists (1) that do not correspond to another base type in this enumeration.

#### 3.2.5.3.1.3 DocumentLibrary

**Value:** 1

Specifies a base type for a document library.

#### 3.2.5.3.1.4 Unused

**Value:** 2

Reserved. MUST NOT be used.

#### 3.2.5.3.1.5 DiscussionBoard

**Value:** 3

Specifies a base type that SHOULD NOT be used, but MAY [<1>](#) be used for a **discussion board**.

#### 3.2.5.3.1.6 Survey

**Value:** 4

Specifies a base type for a **survey list**.

#### 3.2.5.3.1.7 Issue

**Value:** 5

Specifies a base type for an issue tracking list.

### 3.2.5.4 Microsoft.SharePoint.Client.BrowserFileHandling

**ShortName:** SP.BrowserFileHandling

**Flag:** false

Specifies whether the file is allowed to be displayed in the web browser.

#### 3.2.5.4.1 Field Values

##### 3.2.5.4.1.1 Permissive

**Value:** 0

Specifies that content-types that allow script are allowed to be displayed in the Web browser.

##### 3.2.5.4.1.2 Strict

**Value:** 1

Specifies that content-types that allow script MUST be forced to download.

### **3.2.5.5 Microsoft.SharePoint.Client.CalendarType**

**ShortName:** SP.CalendarType

**Flag:** false

As specified in [\[MS-WSSFO2\]](#) section 2.2.4.3.

#### **3.2.5.5.1 Field Values**

##### **3.2.5.5.1.1 None**

**Value:** 0

Specifies that the **calendar type** is not specified.

##### **3.2.5.5.1.2 Gregorian**

**Value:** 1

Specifies a Gregorian (localized) calendar type.

##### **3.2.5.5.1.3 Japan**

**Value:** 3

Specifies a Japanese Emperor Era calendar type.

##### **3.2.5.5.1.4 Taiwan**

**Value:** 4

Specifies a Year of Taiwan calendar type.

##### **3.2.5.5.1.5 Korea**

**Value:** 5

Specifies a Korean Tangun Era calendar type.

##### **3.2.5.5.1.6 Hijri**

**Value:** 6

Specifies a Hijri (Arabic Lunar) calendar type.

##### **3.2.5.5.1.7 Thai**

**Value:** 7

Specifies a Thai calendar type.

#### **3.2.5.5.1.8 Hebrew**

**Value:** 8

Specifies a Hebrew (Lunar) calendar type.

#### **3.2.5.5.1.9 GregorianMEFrench**

**Value:** 9

Specifies a Gregorian (Middle East French) calendar type.

#### **3.2.5.5.1.10 GregorianArabic**

**Value:** 10

Specifies a Gregorian (Arabic) calendar type.

#### **3.2.5.5.1.11 GregorianXLITEnglish**

**Value:** 11

Specifies a Gregorian (transliterated English) calendar type.

#### **3.2.5.5.1.12 GregorianXLITFrench**

**Value:** 12

Specifies a Gregorian (transliterated French) calendar type.

#### **3.2.5.5.1.13 KoreaJapanLunar**

**Value:** 14

Specifies a Korean and Japanese Lunar calendar type.

#### **3.2.5.5.1.14 ChineseLunar**

**Value:** 15

Specifies a Chinese Lunar calendar type.

#### **3.2.5.5.1.15 SakaEra**

**Value:** 16

Specifies a Saka Era calendar type.

#### **3.2.5.6 Microsoft.SharePoint.Client.CamlQuery**

**TypeId:** {3D248D7B-FC86-40A3-AA97-02A75D69FB8A}

**ShortName:** SP.CamlQuery

Specifies a **query** on a list (1).

### 3.2.5.6.1 Properties

#### 3.2.5.6.1.1 Scalar Properties

##### 3.2.5.6.1.1.1 DatesInUtc

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the query returns dates in **Coordinated Universal Time (UTC)** format.

##### 3.2.5.6.1.1.2 FolderServerRelativeUrl

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the **server-relative URL** of a **list folder** from which results will be returned.

It MUST be a URL of server-relative form.

##### 3.2.5.6.1.1.3 ListItemCollectionPosition

**Type:** Microsoft.SharePoint.Client.ListItemCollectionPosition

**Accessibility:** Read/Write

Specifies the information required to get the next page of data for the list view.

##### 3.2.5.6.1.1.4 ViewXml

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the **XML schema** that defines the list view.

It MUST be **NULL**, empty, or an **XML fragment** that conforms to the **ViewDefinition** type as defined in [\[MS-WSSCAML\]](#) section 2.3.2.17.

#### 3.2.5.6.1.2 ObjectPath Properties

None.

### 3.2.5.7 Microsoft.SharePoint.Client.Change

**TypeId:** {C717121B-F82F-4AFB-A2B7-25F67522120F}

**ShortName:** SP.Change

Specifies a base type for a change to an object.

### 3.2.5.7.1 Properties

#### 3.2.5.7.1.1 Scalar Properties

##### 3.2.5.7.1.1.1 ChangeToken

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read Only

Specifies a **change token** that identifies the changed object.

##### 3.2.5.7.1.1.2 ChangeType

**Type:** Microsoft.SharePoint.Client.ChangeType

**Accessibility:** Read Only

Specifies the type of the change that has been made to the object.

##### 3.2.5.7.1.1.3 SiteId

**Type:** **CSOM GUID**

**Accessibility:** Read Only

Specifies the identifiers of the site (2) that contains the changed object.

##### 3.2.5.7.1.1.4 Time

**Type:** **CSOM DateTime**

**Accessibility:** Read Only

Specifies the time that the object was modified. This can be different than the time that the change was committed to the **change log**.

#### 3.2.5.7.1.2 ObjectPath Properties

None.

### 3.2.5.7.2 Methods

#### 3.2.5.7.2.1 Scalar Methods

None.

#### 3.2.5.7.2.2 ObjectPath Methods

None.

### 3.2.5.8 Microsoft.SharePoint.Client.ChangeAlert

**TypeId:** {04F51EF5-013C-4E05-B23F-A9719E69A49A}

**ShortName:** SP.ChangeAlert

Specifies a change from an **alert**.

### 3.2.5.8.1 Properties

#### 3.2.5.8.1.1 Scalar Properties

##### 3.2.5.8.1.1.1 AlertId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the changed alert.

##### 3.2.5.8.1.1.2 ChangeToken

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeToken**, specified in section [3.2.5.7.1.1.1](#).

##### 3.2.5.8.1.1.3 ChangeType

**Type:** Microsoft.SharePoint.Client.ChangeType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.ChangeType**, specified in section [3.2.5.7.1.1.2](#).

##### 3.2.5.8.1.1.4 SiteId

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, specified in section [3.2.5.7.1.1.3](#).

##### 3.2.5.8.1.1.5 Time

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.Time**, specified in section [3.2.5.7.1.1.4](#).

##### 3.2.5.8.1.1.6 WebId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the site (2) that contains the changed alert.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The <b>site identifier</b> in the change fields item of the change collection is <b>NULL</b> .

**3.2.5.8.1.2 ObjectPath Properties**

None.

**3.2.5.8.2 Methods****3.2.5.8.2.1 Scalar Methods**

None.

**3.2.5.8.2.2 ObjectPath Methods**

None.

**3.2.5.9 Microsoft.SharePoint.Client.ChangeCollection**

**TypeId:** {2BA7A459-EEDA-42D0-90E2-FAD3487AD0D3}

**ShortName:** SP.ChangeCollection

Represents a collection of **Change** objects.

**3.2.5.9.1 Properties****3.2.5.9.1.1 Scalar Properties**

None.

**3.2.5.9.1.2 ObjectPath Properties**

None.

**3.2.5.9.2 Methods****3.2.5.9.2.1 Scalar Methods**

None.

**3.2.5.9.2.2 ObjectPath Methods**

None.

**3.2.5.10 Microsoft.SharePoint.Client.ChangeContentType**

**TypeId:** {B50EF7A3-7F78-4AFC-91EF-616591DE9E4D}



**ShortName:** SP.ChangeContentType

Specifies a change on a content type.

### 3.2.5.10.1 Properties

#### 3.2.5.10.1.1 Scalar Properties

##### 3.2.5.10.1.1.1 ChangeToken

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Chang.ChangeToken**, specified in section [3.2.5.7.1.1.1](#).

##### 3.2.5.10.1.1.2 ChangeType

**Type:** Microsoft.SharePoint.Client.ChangeType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeType**, specified in section [3.2.5.7.1.1.2](#).

##### 3.2.5.10.1.1.3 ContentTypeId

**Type:** Microsoft.SharePoint.Client.ContentTypeId

**Accessibility:** Read Only

Identifies the content type that has changed.

##### 3.2.5.10.1.1.4 SiteId

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, specified in section [3.2.5.7.1.1.3](#).

##### 3.2.5.10.1.1.5 Time

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.Time** , specified in section [3.2.5.7.1.1.4](#).

##### 3.2.5.10.1.1.6 WebId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the site (2) that contains the changed content type.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields item of the change collection is <b>NULL</b> .

**3.2.5.10.1.2 ObjectPath Properties**

None.

**3.2.5.10.2 Methods****3.2.5.10.2.1 Scalar Methods**

None.

**3.2.5.10.2.2 ObjectPath Methods**

None.

**3.2.5.11 Microsoft.SharePoint.Client.ChangeField**

**TypeId:** {8D687151-6601-4AD0-9E94-91448E3E2749}

**ShortName:** SP.ChangeField

Specifies a change on a field (2).

**3.2.5.11.1 Properties****3.2.5.11.1.1 Scalar Properties****3.2.5.11.1.1.1 ChangeToken**

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeToken**, specified in section [3.2.5.7.1.1.1](#).

**3.2.5.11.1.1.2 ChangeType**

**Type:** Microsoft.SharePoint.Client.ChangeType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeType**, specified in section [3.2.5.7.1.1.2](#).

**3.2.5.11.1.1.3 FieldId**

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the changed field (2).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The <b>field identifier</b> in the change fields item of the change collection is <b>NULL</b> .

#### 3.2.5.11.1.1.4 SiteId

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, specified in section [3.2.5.7.1.1.3](#).

#### 3.2.5.11.1.1.5 Time

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.Time**, specified in section [3.2.5.7.1.1.4](#).

#### 3.2.5.11.1.1.6 WebId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the site (2) that contains the changed field.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields item of the change collection is <b>NULL</b> .

#### 3.2.5.11.1.2 ObjectPath Properties

None.

#### 3.2.5.11.2 Methods

##### 3.2.5.11.2.1 Scalar Methods

None.

##### 3.2.5.11.2.2 ObjectPath Methods

None.

### 3.2.5.12 Microsoft.SharePoint.Client.ChangeFile

**TypeId:** {59DD36EB-9235-4DAD-A8FD-26D3C11A6A18}

**ShortName:** SP.ChangeFile

Specifies a change on a file not contained in a document library.

#### 3.2.5.12.1 Properties

##### 3.2.5.12.1.1 Scalar Properties

###### 3.2.5.12.1.1.1 ChangeToken

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeToken**, specified in section [3.2.5.7.1.1.1](#).

###### 3.2.5.12.1.1.2 ChangeType

**Type:** Microsoft.SharePoint.Client.ChangeType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeType**, specified in section [3.2.5.7.1.1.2](#).

###### 3.2.5.12.1.1.3 SiteId

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, specified in section [3.2.5.7.1.1.3](#).

###### 3.2.5.12.1.1.4 Time

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.Time**, specified in section [3.2.5.7.1.1.4](#).

###### 3.2.5.12.1.1.5 UniqueId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the file that changed.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The <b>document identifier</b> in the change fields item of the change collection is <b>NULL</b> .

### 3.2.5.12.1.1.6 WebId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the site (2) that contains the changed file.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields item of the change collection is <b>NULL</b> .

### 3.2.5.12.1.2 ObjectPath Properties

None.

### 3.2.5.12.2 Methods

#### 3.2.5.12.2.1 Scalar Methods

None.

#### 3.2.5.12.2.2 ObjectPath Methods

None.

### 3.2.5.13 Microsoft.SharePoint.Client.ChangeFolder

**TypeId:** {3B97573D-CEE5-446A-853D-57EA0ACF8AA4}

**ShortName:** SP.ChangeFolder

Specifies a change on a folder not contained in a list (1) or document library.

### 3.2.5.13.1 Properties

#### 3.2.5.13.1.1 Scalar Properties

##### 3.2.5.13.1.1.1 ChangeToken

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeToken**, specified in section [3.2.5.7.1.1.1](#).

#### 3.2.5.13.1.1.2 ChangeType

**Type:** Microsoft.SharePoint.Client.ChangeType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeType**, specified in section [3.2.5.7.1.1.2](#).

#### 3.2.5.13.1.1.3 SiteId

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, specified in section [3.2.5.7.1.1.3](#).

#### 3.2.5.13.1.1.4 Time

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.Time**, specified in section [3.2.5.7.1.1.4](#).

#### 3.2.5.13.1.1.5 UniqueId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the folder that has changed.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The document identifier in the change fields item of the change collection is <b>NULL</b> .

#### 3.2.5.13.1.1.6 WebId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the site (2) that contains the changed folder.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields item of the change

Error Code	Error Type Name	Condition
		collection is <b>NULL</b> .

### 3.2.5.13.1.2 ObjectPath Properties

None.

### 3.2.5.13.2 Methods

#### 3.2.5.13.2.1 Scalar Methods

None.

#### 3.2.5.13.2.2 ObjectPath Methods

None.

### 3.2.5.14 Microsoft.SharePoint.Client.ChangeGroup

**TypeId:** {8C377687-4E62-4DDB-B244-20A832DE16DD}

**ShortName:** SP.ChangeGroup

Specifies a change on a group (2).

#### 3.2.5.14.1 Properties

##### 3.2.5.14.1.1 Scalar Properties

###### 3.2.5.14.1.1.1 ChangeToken

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeToken**, specified in section [3.2.5.7.1.1.1](#).

###### 3.2.5.14.1.1.2 ChangeType

**Type:** Microsoft.SharePoint.Client.ChangeType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeType**, specified in section [3.2.5.7.1.1.2](#).

###### 3.2.5.14.1.1.3 GroupId

**Type:** **CSOM Int32**

**Accessibility:** Read Only

Identifies the changed group (2).

#### 3.2.5.14.1.1.4 SiteId

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, specified in section [3.2.5.7.1.1.3](#).

#### 3.2.5.14.1.1.5 Time

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.Time**, specified in section [3.2.5.7.1.1.4](#).

#### 3.2.5.14.1.2 ObjectPath Properties

None.

#### 3.2.5.14.2 Methods

##### 3.2.5.14.2.1 Scalar Methods

None.

##### 3.2.5.14.2.2 ObjectPath Methods

None.

#### 3.2.5.15 Microsoft.SharePoint.Client.ChangeItem

**TypeId:** {3E4716AC-A622-4D48-BC14-3FECABD52E21}

**ShortName:** SP.ChangeItem

Specifies a change on an item.

##### 3.2.5.15.1 Properties

###### 3.2.5.15.1.1 Scalar Properties

###### 3.2.5.15.1.1.1 ChangeToken

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeToken**, specified in section [3.2.5.7.1.1.1](#).

###### 3.2.5.15.1.1.2 ChangeType

**Type:** Microsoft.SharePoint.Client.ChangeType

**Accessibility:** Read Only



See **Microsoft.SharePoint.Client.Change.ChangeType**, specified in section [3.2.5.7.1.1.2](#).

### 3.2.5.15.1.1.3 ItemId

**Type:** CSOM Int32

**Accessibility:** Read Only

Identifies the changed item.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The <b>item identifier</b> in the change fields item of the change collection is <b>NULL</b> .

### 3.2.5.15.1.1.4 ListId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the list (1) that contains the changed item. In the case of a change that includes moving the item between lists (1), **ListId** MUST contain the value it had before the move.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The <b>list identifier</b> in the change fields item of the change collection is <b>NULL</b> .

### 3.2.5.15.1.1.5 SiteId

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, specified in section [3.2.5.7.1.1.3](#).

### 3.2.5.15.1.1.6 Time

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.Time**, specified in section [3.2.5.7.1.1.4](#).

### 3.2.5.15.1.1.7 WebId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the site (2) that contains the changed item.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields item of the change collection is <b>NULL</b> .

### 3.2.5.15.1.2 ObjectPath Properties

None.

### 3.2.5.15.2 Methods

#### 3.2.5.15.2.1 Scalar Methods

None.

#### 3.2.5.15.2.2 ObjectPath Methods

None.

### 3.2.5.16 Microsoft.SharePoint.Client.ChangeList

**TypeId:** {D3EF3368-FF71-4DE1-867C-19693C781587}

**ShortName:** SP.ChangeList

Specifies a change on a list.

#### 3.2.5.16.1 Properties

##### 3.2.5.16.1.1 Scalar Properties

###### 3.2.5.16.1.1.1 ChangeToken

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeToken**, specified in section [3.2.5.7.1.1.1](#).

###### 3.2.5.16.1.1.2 ChangeType

**Type:** Microsoft.SharePoint.Client.ChangeType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeType**, specified in section [3.2.5.7.1.1.2](#).

###### 3.2.5.16.1.1.3 ListId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the changed list (1).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list identifier contained in the change fields item of the change collection is <b>NULL</b> .

#### 3.2.5.16.1.1.4 SiteId

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, specified in section [3.2.5.7.1.1.3](#).

#### 3.2.5.16.1.1.5 Time

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.Time**, specified in section [3.2.5.7.1.1.4](#).

#### 3.2.5.16.1.1.6 WebId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the site (2) that contains the changed list (1).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields item of the change collection is <b>NULL</b> .

#### 3.2.5.16.1.2 ObjectPath Properties

None.

#### 3.2.5.16.2 Methods

##### 3.2.5.16.2.1 Scalar Methods

None.

### 3.2.5.16.2.2 ObjectPath Methods

None.

### 3.2.5.17 Microsoft.SharePoint.Client.ChangeQuery

**TypeId:** {887A7218-1232-4CFC-B78F-88D54E9D8EC7}

**ShortName:** SP.ChangeQuery

Specifies a query that is performed against the change log.

#### 3.2.5.17.1 Properties

##### 3.2.5.17.1.1 Scalar Properties

###### 3.2.5.17.1.1.1 Add

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether add changes are included in the query.

###### 3.2.5.17.1.1.2 Alert

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to alerts are included in the query.

###### 3.2.5.17.1.1.3 ChangeTokenEnd

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read/Write

Specifies the end date and end time for changes that are returned through the query.

###### 3.2.5.17.1.1.4 ChangeTokenStart

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read/Write

Specifies the start date and start time for changes that are returned through the query.

###### 3.2.5.17.1.1.5 ContentType

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to content types are included in the query.

### **3.2.5.17.1.1.6 DeleteObject**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether delete changes are included in the query.

### **3.2.5.17.1.1.7 Field**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to **site columns** are included in the query.

### **3.2.5.17.1.1.8 File**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to files are included in the query.

### **3.2.5.17.1.1.9 Folder**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to folders are included in the query.

### **3.2.5.17.1.1.10 Group**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to groups are included in the query.

### **3.2.5.17.1.1.11 GroupMembershipAdd**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether adding users to groups is included in the query.

### **3.2.5.17.1.1.12 GroupMembershipDelete**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether deleting users from groups is included in the query.

#### **3.2.5.17.1.1.13 Item**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to list items or other objects in a site (2) are included in the query.

#### **3.2.5.17.1.1.14 List**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to lists (1) are included in the query.

#### **3.2.5.17.1.1.15 Move**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether move changes are included in the query.

#### **3.2.5.17.1.1.16 Navigation**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to the navigation structure of a site collection are included in the query.

#### **3.2.5.17.1.1.17 Rename**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether renaming changes are included in the query.

#### **3.2.5.17.1.1.18 Restore**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether restoring items from the **Recycle Bin** or from backups is included in the query.

#### **3.2.5.17.1.1.19 RoleAssignmentAdd**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether adding **role assignments** is included in the query.

### **3.2.5.17.1.1.20 RoleAssignmentDelete**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether deleting role assignments is included in the query.

### **3.2.5.17.1.1.21 RoleDefinitionAdd**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether adding **role definitions** is included in the query.

### **3.2.5.17.1.1.22 RoleDefinitionDelete**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether deleting role definitions is included in the query.

### **3.2.5.17.1.1.23 RoleDefinitionUpdate**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether modifying role definitions is included in the query.

### **3.2.5.17.1.1.24 SecurityPolicy**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether modifications to **security policies** are included in the query.

### **3.2.5.17.1.1.25 Site**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to site collections are included in the query.

### **3.2.5.17.1.1.26 SystemUpdate**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether updates implicitly made by the protocol server method are included in the query.

### 3.2.5.17.1.1.27 Update

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether update changes are included in the query.

### 3.2.5.17.1.1.28 User

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to users are included in the query.

### 3.2.5.17.1.1.29 View

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to views are included in the query.

### 3.2.5.17.1.1.30 Web

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to **Web sites** are included in the query.

### 3.2.5.17.1.2 ObjectPath Properties

None.

## 3.2.5.18 Microsoft.SharePoint.Client.ChangeSite

**TypeId:** {81AFF0DE-302E-4D01-91D5-96192F77BC29}

**ShortName:** SP.ChangeSite

Specifies a change on a site collection.

### 3.2.5.18.1 Properties

#### 3.2.5.18.1.1 Scalar Properties

##### 3.2.5.18.1.1.1 ChangeToken

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeToken**, specified in section [3.2.5.7.1.1.1](#)



### 3.2.5.18.1.1.2 ChangeType

**Type:** Microsoft.SharePoint.Client.ChangeType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeType**, specified in section [3.2.5.7.1.1.2](#).

### 3.2.5.18.1.1.3 SiteId

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, specified in section [3.2.5.7.1.1.3](#).

### 3.2.5.18.1.1.4 Time

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.Time**, specified in section [3.2.5.7.1.1.4](#).

### 3.2.5.18.1.2 ObjectPath Properties

None.

## 3.2.5.18.2 Methods

### 3.2.5.18.2.1 Scalar Methods

None.

### 3.2.5.18.2.2 ObjectPath Methods

None.

## 3.2.5.19 Microsoft.SharePoint.Client.ChangeToken

**TypeId:** {41C5BE82-B5BF-4B5A-9712-97111FB87686}

**ShortName:** SP.ChangeToken

Represents the unique sequential location of a change within the change log. Client applications can use the change token as a starting point for retrieving changes.

### 3.2.5.19.1 Properties

#### 3.2.5.19.1.1 Scalar Properties

##### 3.2.5.19.1.1.1 StringValue

**Type:** CSOM String

**Accessibility:** Read/Write

Contains the serialized representation of the change token generated by the protocol server. When setting **StringValue**, the protocol client MUST use a value previously returned by the protocol server.

Represented as a semicolon-separated list containing (in order): the version number of the change token, the change token's collection scope, the collection scope GUID, the time of the change token in DateTime ticks, and the change number.

The collection scope MUST be one of the values in the following list:

Value	Description
0	The change token refers to a <b>content database</b> .
1	The change token refers to a site collection.
2	The change token refers to a site (2).
3	The change token refers to a list (1).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146233086	System.ArgumentOutOfRangeException	The fourth section that represents DateTime ticks has string value that represents a <b>CSOM Int64</b> that does not fall between DateTime.MinValue.Ticks and DateTime.MaxValue.Ticks.
-1	System.FormatException	Input string for any of the 5 sections in the change token is not in a correct format. This could happen if the first, second, fourth or fifth section doesn't have a string representation for number, or the third section doesn't have a string representation for a CSOM GUID that contains 32 digits with 4 dashes {xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx}.
-1	System.InvalidOperationException	The number of semicolon separated tokens is not 5, or the version number for the first token value is not 1.

### 3.2.5.19.1.2 ObjectPath Properties

None.

### 3.2.5.20 Microsoft.SharePoint.Client.ChangeType

**ShortName:** SP.ChangeType

**Flag:** false

Enumeration of the possible types of changes.

### **3.2.5.20.1 Field Values**

#### **3.2.5.20.1.1 NoChange**

**Value:** 0

Indicates that no change has taken place.

#### **3.2.5.20.1.2 Add**

**Value:** 1

Specifies that an object has been added within the scope of a list (1), site (2), site collection, or content database.

#### **3.2.5.20.1.3 Update**

**Value:** 2

Specifies that an object has been modified within the scope of a list (1), site (2), site collection, or content database.

#### **3.2.5.20.1.4 DeleteObject**

**Value:** 3

Specifies that an object has been deleted within the scope of a list (1), site (2), site collection, or content database.

#### **3.2.5.20.1.5 Rename**

**Value:** 4

The leaf in a URL has been renamed.

#### **3.2.5.20.1.6 MoveAway**

**Value:** 5

Specifies that a non-leaf segment within a URL has been renamed. The object was moved away from the location within the site (2) specified by the change.

#### **3.2.5.20.1.7 MoveInto**

**Value:** 6

Specifies that a non-leaf segment within a URL has been renamed. The object was moved into the location within the site (2) specified by the change.

#### **3.2.5.20.1.8 Restore**

**Value:** 7

Specifies that an object has restored from a backup or from the Recycle Bin.

#### **3.2.5.20.1.9 RoleAdd**

**Value:** 8

Specifies that a role definition has been added.

#### **3.2.5.20.1.10 RoleDelete**

**Value:** 9

Specifies that a role definition has been deleted.

#### **3.2.5.20.1.11 RoleUpdate**

**Value:** 10

Specifies that a role definition has been updated.

#### **3.2.5.20.1.12 AssignmentAdd**

**Value:** 11

Specifies that a user has been given permissions to a list (1). The list (1) MUST have unique permissions enabled.

#### **3.2.5.20.1.13 AssignmentDelete**

**Value:** 12

Specifies that a user has lost permissions to a list (1). The list (1) MUST have unique permissions enabled.

#### **3.2.5.20.1.14 MemberAdd**

**Value:** 13

Specifies that a user has been added to a group.

#### **3.2.5.20.1.15 MemberDelete**

**Value:** 14

Specifies that a user has been removed from a group.

#### **3.2.5.20.1.16 SystemUpdate**

**Value:** 15

Specifies that a change has been made to an item by using the protocol server method.

#### **3.2.5.20.1.17 Navigation**

**Value:** 16

Specifies that a change in the navigation structure of a site collection has been made.

### 3.2.5.20.1.18 ScopeAdd

**Value:** 17

Specifies that a change in permissions scope has been made to break inheritance from an object's parent.

### 3.2.5.20.1.19 ScopeDelete

**Value:** 18

Specifies that a change in permissions scope has been made to revert back to inheriting permissions from an object's parent.

### 3.2.5.20.1.20 ListContentTypeAdd

**Value:** 19

Specifies that a list content type has been added.

### 3.2.5.20.1.21 ListContentTypeDelete

**Value:** 20

Specifies that a list content type has been deleted.

## 3.2.5.21 Microsoft.SharePoint.Client.ChangeUser

**TypeId:** {9BCB7ADB-5A47-426E-886F-3CE841554CD9}

**ShortName:** SP.ChangeUser

Specifies a change on a user.

### 3.2.5.21.1 Properties

#### 3.2.5.21.1.1 Scalar Properties

##### 3.2.5.21.1.1.1 Activate

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether a user has changed from an inactive state to an active state.

When a user is added to a site (2) and only has browse permissions, the user is in an inactive state. However, once the user can author list items, add documents, be assigned tasks, or make any contribution to the site (2), the user is in an active state.

##### 3.2.5.21.1.1.2 ChangeToken

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeToken**, specified in section [3.2.5.7.1.1.1](#).

#### 3.2.5.21.1.1.3 ChangeType

**Type:** Microsoft.SharePoint.Client.ChangeType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeType**, specified in section [3.2.5.7.1.1.2](#).

#### 3.2.5.21.1.1.4 SiteId

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, specified in section [3.2.5.7.1.1.3](#).

#### 3.2.5.21.1.1.5 Time

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.Time**, specified in section [3.2.5.7.1.1.4](#).

#### 3.2.5.21.1.1.6 UserId

**Type:** CSOM Int32

**Accessibility:** Read Only

Uniquely identifies the changed user.

#### 3.2.5.21.1.2 ObjectPath Properties

None.

#### 3.2.5.21.2 Methods

##### 3.2.5.21.2.1 Scalar Methods

None.

##### 3.2.5.21.2.2 ObjectPath Methods

None.

#### 3.2.5.22 Microsoft.SharePoint.Client.ChangeView

**TypeId:** {865F3490-F526-4452-88E2-6E33357BAE50}

**ShortName:** SP.ChangeView

Specifies a change on a view.

### 3.2.5.22.1 Properties

#### 3.2.5.22.1.1 Scalar Properties

##### 3.2.5.22.1.1.1 ChangeToken

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeToken**, specified in section [3.2.5.7.1.1.1](#).

##### 3.2.5.22.1.1.2 ChangeType

**Type:** Microsoft.SharePoint.Client.ChangeType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeType**, specified in section [3.2.5.7.1.1.2](#).

##### 3.2.5.22.1.1.3 ListId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the list (1) that contains the changed view.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list identifier in the change fields item of the change collection is <b>NULL</b> .

##### 3.2.5.22.1.1.4 SiteId

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, specified in section [3.2.5.7.1.1.3](#).

##### 3.2.5.22.1.1.5 Time

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.Time**, specified in section [3.2.5.7.1.1.4](#).

##### 3.2.5.22.1.1.6 ViewId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the changed view.

### 3.2.5.22.1.1.7 WebId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the site (2) that contains the changed view.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields item of the change collection is <b>NULL</b> .

### 3.2.5.22.1.2 ObjectPath Properties

None.

### 3.2.5.22.2 Methods

#### 3.2.5.22.2.1 Scalar Methods

None.

#### 3.2.5.22.2.2 ObjectPath Methods

None.

### 3.2.5.23 Microsoft.SharePoint.Client.ChangeWeb

**TypeId:** {E7FA8647-BDE1-474C-93B1-1EF9CE5CF02C}

**ShortName:** SP.ChangeWeb

Specifies a change on a site (2).

#### 3.2.5.23.1 Properties

##### 3.2.5.23.1.1 Scalar Properties

###### 3.2.5.23.1.1.1 ChangeToken

**Type:** Microsoft.SharePoint.Client.ChangeToken

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeToken**, specified in section [3.2.5.7.1.1.1](#).



### 3.2.5.23.1.1.2 ChangeType

**Type:** Microsoft.SharePoint.Client.ChangeType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.ChangeType**, specified in section [3.2.5.7.1.1.2](#).

### 3.2.5.23.1.1.3 SiteId

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, specified in section [3.2.5.7.1.1.3](#).

### 3.2.5.23.1.1.4 Time

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Change.Time**, specified in section [3.2.5.7.1.1.4](#).

### 3.2.5.23.1.1.5 WebId

**Type:** CSOM GUID

**Accessibility:** Read Only

Identifies the site (2) that has changed.

#### Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields item of the change collection is <b>NULL</b> .

### 3.2.5.23.1.2 ObjectPath Properties

None.

## 3.2.5.23.2 Methods

### 3.2.5.23.2.1 Scalar Methods

None.

### 3.2.5.23.2.2 ObjectPath Methods

None.

### 3.2.5.24 Microsoft.SharePoint.Client.CheckinType

**ShortName:** SP.CheckinType

**Flag:** false

Specifies the type of check-in for a file.

#### 3.2.5.24.1 Field Values

##### 3.2.5.24.1.1 MinorCheckIn

**Value:** 0

Incremented as a minor version. Value=0.

##### 3.2.5.24.1.2 MajorCheckIn

**Value:** 1

Incremented as a **major version**. Value=1.

##### 3.2.5.24.1.3 OverwriteCheckIn

**Value:** 2

Overwrite the file. Value=2.

### 3.2.5.25 Microsoft.SharePoint.Client.CheckOutType

**ShortName:** SP.CheckOutType

**Flag:** false

Specifies the different checked out states for the file, independent of any lock state.

#### 3.2.5.25.1 Field Values

##### 3.2.5.25.1.1 Online

**Value:** 0

Specifies that the file is checked out on the server.

##### 3.2.5.25.1.2 Offline

**Value:** 1

Specifies that the file is checked out to the client computer.

##### 3.2.5.25.1.3 None

**Value:** 2

Specifies that the file is not checked out.

### 3.2.5.26 Microsoft.SharePoint.Client.ChoiceFormatType

**ShortName:** SP.ChoiceFormatType

**Flag:** false

Specifies how to display options in a choice field (2) when displayed in a **form (1)**.

#### 3.2.5.26.1 Field Values

##### 3.2.5.26.1.1 Dropdown

**Value:** 0

Specifies that options are displayed in a drop-down list box.

##### 3.2.5.26.1.2 RadioButtons

**Value:** 1

Specifies that options are displayed as a list of radio buttons.

### 3.2.5.27 Microsoft.SharePoint.Client.ContentType

**TypeId:** {91B5BD2D-E133-486F-B727-197CE5EB2C0D}

**ShortName:** SP.ContentType

Specifies a content type.

#### 3.2.5.27.1 Properties

##### 3.2.5.27.1.1 Scalar Properties

###### 3.2.5.27.1.1.1 Description

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description of the content type.

It MUST NOT be NULL.

###### 3.2.5.27.1.1.2 DisplayFormTemplateName

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of a custom **display form** template to use for list items that have been assigned the content type.

###### 3.2.5.27.1.1.3 DisplayFormUrl

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the URL of a custom display form to use for list items that have been assigned the content type.

#### 3.2.5.27.1.1.4 DocumentTemplate

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the file path to the **document template** used for a new list item that has been assigned the content type.

It MUST NOT be NULL. It MUST be either an **absolute URL**, a server-relative URL, or a URL relative to the content type **resource folder** for the content type

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	It is not a valid file name or is it not a server-relative URL or it is not an absolute URL
- 2130575338	Microsoft.SharePoint.SPException	List (1) is not found or has been deleted

#### 3.2.5.27.1.1.5 DocumentTemplateUrl

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the URL of the document template assigned to the content type.

#### 3.2.5.27.1.1.6 EditFormTemplateName

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of a custom **edit form template** to use for list items that have been assigned the content type.

#### 3.2.5.27.1.1.7 EditFormUrl

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the URL of a custom edit form to use for list items that have been assigned the content type.

#### 3.2.5.27.1.1.8 Group

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the **content type group** for the content type.

It MUST NOT be empty. Its length MUST be equal to or less than 128.

#### **3.2.5.27.1.1.9 Hidden**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the content type is unavailable for creation or usage directly from a user interface.

#### **3.2.5.27.1.1.10 Id**

**Type:** Microsoft.SharePoint.Client.ContentTypeId

**Accessibility:** Read Only

Specifies an identifier for the content type as specified in [\[MS-WSSTS\]](#) section 2.1.2.8.1.

#### **3.2.5.27.1.1.11 Name**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of the content type.

It MUST NOT be NULL.

#### **3.2.5.27.1.1.12 NewFormTemplateName**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of a custom **new form** template to use for list items that have been assigned the content type.

#### **3.2.5.27.1.1.13 NewFormUrl**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the URL of a custom new form to use for list items that have been assigned the content type.

#### **3.2.5.27.1.1.14 ReadOnly**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether changes to the content type properties are denied.

### 3.2.5.27.1.1.15 SchemaXml

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the XML Schema that represents the content type.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Neither the content type nor the parent of the content type exist on the site (2)

### 3.2.5.27.1.1.16 Scope

**Type:** CSOM String

**Accessibility:** Read Only

Specifies a server-relative path to the content type scope of the content type.

### 3.2.5.27.1.2 ObjectPath Properties

#### 3.2.5.27.1.2.1 FieldLinks

**Type:** Microsoft.SharePoint.Client.FieldLinkCollection

**Accessibility:** Read Only

Specifies the collection of **field links** for the content type.

#### 3.2.5.27.1.2.2 Fields

**Type:** Microsoft.SharePoint.Client.FieldCollection

**Accessibility:** Read Only

Specifies the collection of fields (2) for the content type.

#### 3.2.5.27.1.2.3 Parent

**Type:** Microsoft.SharePoint.Client.ContentType

**Accessibility:** Read Only

Specifies the parent content type of the content type.

#### 3.2.5.27.1.2.4 WorkflowAssociations

**Type:** Microsoft.SharePoint.Client.Workflow.WorkflowAssociationCollection

**Accessibility:** Read Only

Returns the collection of **workflow associations** for the content type.

## 3.2.5.27.2 Methods

### 3.2.5.27.2.1 Scalar Methods

#### 3.2.5.27.2.1.1 DeleteObject

**Return Type:** None

Deletes the content type.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPContentTypeReadOnlyException	The content type is read only.
- 2146232832	Microsoft.SharePoint.SPContentTypeSealedException	The content type is a <b>sealed content type</b> and there is no list (1) associated with it.
- 2146232832	Microsoft.SharePoint.SPException	The content type is the last in the content type collection or failed to remove item from the site (2).

#### 3.2.5.27.2.1.2 Update

**Return Type:** None

Updates the content type, and any **child** objects of the content type if specified, with any changes made to the content type.

**Parameters:**

*updateChildren*: Specifies whether changes will propagate to child objects of the content type.

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPContentTypeReadOnlyException	The content type is read only or <b>updateChildren</b> is true and one of the child objects of the content type is read only.
- 2146232832	Microsoft.SharePoint.SPContentTypeSealedException	<b>updateChildren</b> is true and one of the child objects of the content type is a sealed content type.
- 2146232832	Microsoft.SharePoint.SPException	Collection is read only or <b>updateChildren</b> is true and there are no child objects of the

Error Code	Error Type Name	Condition
		content type.

### 3.2.5.27.2.2 ObjectPath Methods

None.

### 3.2.5.28 Microsoft.SharePoint.Client.ContentTypeCollection

**TypeId:** {653E9412-6245-4A3F-829B-CFDBF7FD86A5}

**ShortName:** SP.ContentTypeCollection

Represents a collection of content types.

#### 3.2.5.28.1 Properties

##### 3.2.5.28.1.1 Scalar Properties

None.

##### 3.2.5.28.1.2 ObjectPath Properties

None.

#### 3.2.5.28.2 Methods

##### 3.2.5.28.2.1 Scalar Methods

None.

##### 3.2.5.28.2.2 ObjectPath Methods

###### 3.2.5.28.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.ContentType

Adds a new content type to the collection and returns a reference to the added SP.ContentType.

**Parameters:**

*parameters:* Specifies properties that will be used to construct the new content type.

Type: Microsoft.SharePoint.Client.ContentTypeCreationInformation

It MUST NOT be NULL. The content type scope of its *ParentContentType* property, as specified in section [3.2.5.29.1.2.1](#) MUST NOT be an ancestor of the parent (the SP.List or SP.Web that this collection is attached to) of the content type collection.

**Exceptions:**

Error Code	Error Type Name	Condition
-	Microsoft.SharePoint.Client.ServerException	The collection is read only.



Error Code	Error Type Name	Condition
2146232832		
183	Microsoft.SharePoint.SPException	A content type with a name specified by the <b>Name</b> property of <i>parameters</i> exists in the collection.

### 3.2.5.28.2.2.2 AddExistingContentType

**Return Type:** Microsoft.SharePoint.Client.ContentType

Adds an existing content type to the collection. The name of the given content type MUST NOT be the same as any of the content types in the collection. A reference to the SP.ContentType that was added is returned.

**Parameters:**

*contentType*: Specifies the content type to be added to the collection.

Type: Microsoft.SharePoint.Client.ContentType

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.Client.ServerException	The collection is read only.
183	Microsoft.SharePoint.SPException	A content type with same name as the given content type exists in the collection.

### 3.2.5.28.2.2.3 GetById

**Return Type:** Microsoft.SharePoint.Client.ContentType

Returns the content type with the given identifier from the collection. If a content type with the given identifier is not found in the collection, the server MUST return null.

**Parameters:**

*contentTypeId*: A hexadecimal value representing the identifier of a content type.

Type: CSOM String

It MUST NOT be NULL.

It MUST conform to the following ABNF:

nonzero-digit = "1" / "2" / "3" / "4" / "5" / "6" / "7" / "8" / "9"

digit = "0" / nonzero-digit

nonzero-hexdigit = nonzero-digit / "A" / "B" / "C" / "D" / "E" / "F"

hexdigit = "0" / nonzero-hexdigit

id = \*(nonzero-hexdigit hexdigit / "0" nonzero-hexdigit)

parentids = \*(16(hexdigit hexdigit))

contentTypeid = id [ "00" parentids]

### 3.2.5.29 Microsoft.SharePoint.Client.ContentTypeCreationInformation

**TypeId:** {168F3091-4554-4F14-8866-B20D48E45B54}

**ShortName:** SP.ContentTypeCreationInformation

Specifies properties that are used as parameters to initialize a new content type.

#### 3.2.5.29.1 Properties

##### 3.2.5.29.1.1 Scalar Properties

###### 3.2.5.29.1.1.1 Description

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description of the content type that will be constructed.

###### 3.2.5.29.1.1.2 Group

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the content type group of the content type that will be constructed.

Its length MUST be equal to or greater than 1. Its length MUST be equal to or less than 128.

###### 3.2.5.29.1.1.3 Name

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of the content type that will be constructed.

It MUST NOT be NULL.

##### 3.2.5.29.1.2 ObjectPath Properties

###### 3.2.5.29.1.2.1 ParentContentType

**Type:** Microsoft.SharePoint.Client.ContentType

**Accessibility:** Read/Write

Specifies the parent content type for the content type that will be constructed.

The list (1) the parent content type belongs to MUST be null.

### 3.2.5.30 Microsoft.SharePoint.Client.ContentTypeId

**TypeId:** {DA0F1E90-296F-480E-BC27-CEFE51EFF241}

**ShortName:** SP.ContentTypeId

Represents the **content type identifier** (ID) of a content type.

#### 3.2.5.30.1 Properties

##### 3.2.5.30.1.1 Scalar Properties

###### 3.2.5.30.1.1.1 StringValue

**Type:** CSOM String

**Accessibility:** Read Only

Hexadecimal string value of content type identifier. String value MUST start with "0x".

It MUST NOT be NULL.

###### 3.2.5.30.1.2 ObjectPath Properties

None.

### 3.2.5.31 Microsoft.SharePoint.Client.CustomizedPageStatus

**ShortName:** SP.CustomizedPageStatus

**Flag:** true

Specifies the cache and customization status for a **page**.

#### 3.2.5.31.1 Field Values

##### 3.2.5.31.1.1 None

**Value:** 0

Specifies that the page was never cached.

##### 3.2.5.31.1.2 Uncustomized

**Value:** 1

Specifies that the page is cached and has not been customized.

##### 3.2.5.31.1.3 Customized

**Value:** 2

The page was cached and has been customized.

### 3.2.5.32 Microsoft.SharePoint.Client.DateTimeFieldFormatType

**ShortName:** SP.DateTimeFieldFormatType

**Flag:** false

Specifies the format to use displaying date and time fields (2).

#### 3.2.5.32.1 Field Values

##### 3.2.5.32.1.1 DateOnly

**Value:** 0

Specifies that only the date is displayed.

##### 3.2.5.32.1.2 DateTime

**Value:** 1

Specifies that both the date and the time are displayed.

### 3.2.5.33 Microsoft.SharePoint.Client.DraftVisibilityType

**ShortName:** SP.DraftVisibilityType

**Flag:** false

Specifies the minimum permission required to view minor versions and **drafts**.

#### 3.2.5.33.1 Field Values

##### 3.2.5.33.1.1 Reader

**Value:** 0

Specifies that the minimum permission is reader.

##### 3.2.5.33.1.2 Author

**Value:** 1

Specifies that the minimum permission is author.

##### 3.2.5.33.1.3 Approver

**Value:** 2

Specifies that the minimum permission is approver.

### 3.2.5.34 Microsoft.SharePoint.Client.Feature

**TypeId:** {4E46B28C-E27F-4964-A8D4-FC25658D86D1}

**ShortName:** SP.Feature

Represents an activated **feature**.

### **3.2.5.34.1 Properties**

#### **3.2.5.34.1.1 Scalar Properties**

##### **3.2.5.34.1.1.1 DefinitionId**

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the identifier for this feature.

It MUST NOT be NULL.

#### **3.2.5.34.1.2 ObjectPath Properties**

None.

### **3.2.5.34.2 Methods**

#### **3.2.5.34.2.1 Scalar Methods**

None.

#### **3.2.5.34.2.2 ObjectPath Methods**

None.

### **3.2.5.35 Microsoft.SharePoint.Client.FeatureCollection**

**TypeId:** {8B9C0015-193D-4062-8E98-8D23C303EEDD}

**ShortName:** SP.FeatureCollection

Represents a collection of activated features.

### **3.2.5.35.1 Properties**

#### **3.2.5.35.1.1 Scalar Properties**

None.

#### **3.2.5.35.1.2 ObjectPath Properties**

None.

### 3.2.5.35.2 Methods

#### 3.2.5.35.2.1 Scalar Methods

##### 3.2.5.35.2.1.1 Remove

**Return Type:** None

Removes the feature from the collection of features.

**Parameters:**

*featureId*: The **feature identifier** of the feature to be removed.

Type: CSOM GUID

It MUST NOT be NULL.

*force*: Specifies whether to force the operation to continue even if there are errors.

Type: CSOM Boolean

This parameter is ignored if there are no errors.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	The given feature is not an activated feature or the given feature cannot be deactivated and the force parameter was not set to <b>TRUE</b> .
-2147024891	System.UnauthorizedAccessException	The <b>current user</b> has insufficient permissions.

#### 3.2.5.35.2.2 ObjectPath Methods

##### 3.2.5.35.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.Feature

Adds the feature to the collection of activated features and returns the added feature.

**Parameters:**

*featureId*: The feature identifier of the feature to be added.

Type: CSOM GUID

It MUST NOT be NULL.

*force*: Specifies whether to overwrite an existing feature with the same feature identifier.

Type: CSOM Boolean

This parameter is ignored if there is no existing feature with the same feature identifier.

*featdefScope*: The **feature scope** for this feature.

Type: Microsoft.SharePoint.Client.FeatureDefinitionScope

It MUST have the value of FeatureDefinitionScope.Site or FeatureDefinitionScope.Farm

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	The given feature is not installed at the feature scope.

### 3.2.5.35.2.2.2 GetById

**Return Type:** Microsoft.SharePoint.Client.Feature

Returns the feature for the given feature identifier. Returns NULL if no feature is available for the given feature identifier.

**Parameters:**

*featureId*: The feature identifier of the feature to be returned.

Type: CSOM GUID

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.36 Microsoft.SharePoint.Client.FeatureDefinitionScope

**ShortName:** SP.FeatureDefinitionScope

**Flag:** false

Specifies the feature scope for a **feature definition**.

#### 3.2.5.36.1 Field Values

##### 3.2.5.36.1.1 None

**Value:** 0

The feature scope is not specified.

##### 3.2.5.36.1.2 Farm

**Value:** 1

Specifies the feature scope to be at the **farm** level.

##### 3.2.5.36.1.3 Site

**Value:** 2

Specifies the feature scope to be at the site collection level.

### 3.2.5.37 Microsoft.SharePoint.Client.Field

**TypeId:** {C4121B04-0F57-4B1D-A145-D25426B16480}

**ShortName:** SP.Field

Represent a field (2), which is specified in [\[MS-WSSTS\]](#), section [2.1.2.9](#).

#### 3.2.5.37.1 Properties

##### 3.2.5.37.1.1 Scalar Properties

###### 3.2.5.37.1.1.1 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the field (2) can be deleted.

###### 3.2.5.37.1.1.2 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the default value for the field (2).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an <b>external list</b> .

###### 3.2.5.37.1.1.3 Description

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description of the field (2).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

###### 3.2.5.37.1.1.4 Direction

**Type:** CSOM String



**Accessibility:** Read/Write

Specifies the **reading order** of the field (2). Its value is implementation-specific to the client used to browse instances of this field (2).

If the value is set to "none", Microsoft.SharePoint.Client.List.Direction specifies the reading order of the field (2), which is specified in section [3.2.5.79.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list (1) is an external list.

### 3.2.5.37.1.1.5 EnforceUniqueValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Returns whether the field enforces unique values

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding <b>unique column constraints</b> to the field (2) where the list (1) is an external list.

### 3.2.5.37.1.1.6 FieldTypeKind

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

Specifies the type of the field (2).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.37.1.1.7 Filterable

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether list items in the list (1) can be filtered by the field (2) value.

#### 3.2.5.37.1.1.8 FromBaseType

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field (1) derives from a **base field type**.

#### 3.2.5.37.1.1.9 Group

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the **field group**.

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

#### 3.2.5.37.1.1.10 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the field (2) is **hidden** in list views and **list forms**.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	When the value cannot be updated.

#### 3.2.5.37.1.1.11 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the field identifier.

#### 3.2.5.37.1.1.12 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the **field internal name**.

It MUST NOT be NULL. It MUST NOT be empty.

#### 3.2.5.37.1.1.13 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the value of the field (2) is read-only.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

#### 3.2.5.37.1.1.14 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the field (2) requires a value.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

#### 3.2.5.37.1.1.15 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the XML schema that defines the field (2).

It MUST be NULL, empty, or an XML fragment that conforms to the **FieldDefinition** type as defined in [\[MS-WSSFO2\]](#) section 2.2.9.3.3.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a non- <b>NULL</b> or non-empty value, and the list (1) is an external list.

#### 3.2.5.37.1.1.16 Scope

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the server-relative URL of the list (1) or the site (2) that the field (2) belongs to.

### 3.2.5.37.1.1.17 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether properties on the field (2) cannot be changed and whether the field (2) cannot be deleted.

### 3.2.5.37.1.1.18 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether list items in the list (1) can be sorted by the field (2) value.

### 3.2.5.37.1.1.19 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies a customizable identifier of the field (2). If the value is **NULL** or empty, the protocol server MUST use the value of *InternalName*.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.37.1.1.20 Title

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the display name of the field (2).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.37.1.1.21 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the type of the field (2).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.37.1.1.22 TypeDisplayName

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the display name for the type of the field (2).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.37.1.1.23 TypeShortDescription

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the description for the type of the field (2).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.37.1.1.24 ValidationFormula

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the **data validation criteria** for the value of the field (2).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.37.1.1.25 ValidationMessage

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the error message returned when **data validation** fails for the field (2).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.37.1.2 ObjectPath Properties

None.

### 3.2.5.37.2 Methods

#### 3.2.5.37.2.1 Scalar Methods

##### 3.2.5.37.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Field (2) has one or more <b>dependent lookup fields</b> , or the field (2) is a site column used in a list (1).
- 2130575215	Microsoft.SharePoint.SPException	Field (2) is inherited from the base type of the list (1) and <b>CanBeDeleted</b> is <b>FALSE</b> .
- 2130575214	Microsoft.SharePoint.SPException	Field (2) is hidden.
- 2130575213	Microsoft.SharePoint.SPException	<b>Sealed</b> is <b>TRUE</b> and <b>CanBeDeleted</b> is <b>FALSE</b> .
- 2130575212	Microsoft.SharePoint.SPException	<b>ReadOnlyField</b> is <b>TRUE</b> .
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	Field (2) does not exist.
-1	System.InvalidOperationException	<b>CanBeDeleted</b> is <b>FALSE</b> .
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.37.2.1.2 Update

**Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an <b>indexed field</b> .
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to TRUE on a field (2) that is not an indexed field.

Error Code	Error Type Name	Condition
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to TRUE and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.37.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
-	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b>



Error Code	Error Type Name	Condition
2130575272		or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	<b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.37.2.2 ObjectPath Methods

None.

### 3.2.5.38 Microsoft.SharePoint.Client.FieldCalculated

**TypeId:** {F9EE4627-2914-46CD-806A-4921F96A0C72}

**ShortName:** SP.FieldCalculated

Specifies a **calculated field**.

#### 3.2.5.38.1 Properties

##### 3.2.5.38.1.1 Scalar Properties

###### 3.2.5.38.1.1.1 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

###### 3.2.5.38.1.1.2 DateFormat

**Type:** Microsoft.SharePoint.Client.DateTimeFieldFormatType

**Accessibility:** Read/Write

Specifies the date and time format that is used in the field (2).

###### 3.2.5.38.1.1.3 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The field (2) value is being set, and the list (1) is an external list.

###### 3.2.5.38.1.1.4 Description

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.38.1.1.5 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list (1) is an external list.

### 3.2.5.38.1.1.6 EnforceUniqueValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Returns whether the field enforces unique values

The value cannot be set to TRUE for the built-in fields or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list (1) is an external list.

### 3.2.5.38.1.1.7 FieldTypeKind

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.38.1.1.8 Filterable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, specified in section [3.2.5.37.1.1.7](#).

### 3.2.5.38.1.1.9 Formula

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the formula for the field (2).

It MUST NOT be empty.

### 3.2.5.38.1.1.10 FromBaseType

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field derives from a base field type.

### 3.2.5.38.1.1.11 Group

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

#### Exceptions:

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.38.1.1.12 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Value is changed to <b>TRUE</b> on a field (2) which cannot be hidden.

**3.2.5.38.1.1.13 Id**

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.37.1.1.11](#).

**3.2.5.38.1.1.14 InternalName**

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

**3.2.5.38.1.1.15 OutputType**

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

Specifies the output format for the field (2).

It MUST be one of the following values: Text, Number, Integer, Currency, Boolean, or DateTime.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

**3.2.5.38.1.1.16 ReadOnlyField**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, specified in section [3.2.5.37.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.38.1.1.17 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Required**, specified in section [3.2.5.37.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

### 3.2.5.38.1.1.18 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It MUST be NULL, empty, or an XML fragment that conforms to the **FieldDefinition** type as defined in [\[MS-WSSCAML\]](#) section 2.3.2.6.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a non- <b>NULL</b> or non-empty value, and the list (1) is an external list.

### 3.2.5.38.1.1.19 Scope

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

### 3.2.5.38.1.1.20 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

### 3.2.5.38.1.1.21 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

### 3.2.5.38.1.1.22 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.38.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.38.1.1.23 Title

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.38.1.1.24 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.38.1.1.25 TypeDisplayName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeDisplayName**, specified in section [3.2.5.37.1.1.22](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.38.1.1.26 TypeShortDescription

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.38.1.1.27 ValidationFormula

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.38.1.1.28 ValidationMessage

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.38.1.2 ObjectPath Properties

None.



## 3.2.5.38.2 Methods

### 3.2.5.38.2.1 Scalar Methods

#### 3.2.5.38.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Field (2) is a primary <b>lookup field</b> with dependent lookup field or <b>ReadOnlyField</b> is <b>TRUE</b> .
- 2130575215	Microsoft.SharePoint.SPException	Field (2) is inherited from the base type of the list (1).
- 2130575214	Microsoft.SharePoint.SPException	Field (2) is hidden.
- 2130575213	Microsoft.SharePoint.SPException	<b>Sealed</b> is <b>TRUE</b> .
- 2130575212	Microsoft.SharePoint.SPException	<b>ReadOnlyField</b> is <b>TRUE</b> .
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	Field (2) does not exist.
-1	System.InvalidOperationException	<b>CanBeDeleted</b> is <b>FALSE</b> .
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.38.2.1.2 Update

**Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.

Error Code	Error Type Name	Condition
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to Boolean and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
-	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the

Error Code	Error Type Name	Condition
2147024860		operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.38.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
-	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to TRUE on a field (2) that is not an indexed

Error Code	Error Type Name	Condition
2130246239		field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to Boolean and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.38.2.2 ObjectPath Methods

None.

### 3.2.5.39 Microsoft.SharePoint.Client.FieldCalculatedErrorValue

**TypeId:** {3387286B-36E3-4199-BDCA-F20048CE8328}

**ShortName:** SP.FieldCalculatedErrorValue

Specifies the value of a calculated field when the field (2) value is a calculation error, such as division by zero, or overflow.

#### 3.2.5.39.1 Properties

##### 3.2.5.39.1.1 Scalar Properties

##### 3.2.5.39.1.1.1 ErrorMessage

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the error message of the calculation error.

### 3.2.5.39.1.2 ObjectPath Properties

None.

### 3.2.5.40 Microsoft.SharePoint.Client.FieldChoice

**TypeId:** {A0B73943-FABC-47D3-B2C8-EC41B1216B1D}

**ShortName:** SP.FieldChoice

Represents a choice field (2).

#### 3.2.5.40.1 Properties

##### 3.2.5.40.1.1 Scalar Properties

###### 3.2.5.40.1.1.1 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

###### 3.2.5.40.1.1.2 Choices

**Type:** CSOM Array

**Accessibility:** Read/Write

Specifies the collection of choices that are used in this choice field (2).

It MUST be an array of CSOM Strings.

###### 3.2.5.40.1.1.3 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

#### Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The field (2) value is being set, and the list (1) is an external list.

###### 3.2.5.40.1.1.4 Description

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The list (1) that the field (2) belongs to has an external data source.

### 3.2.5.40.1.1.5 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The field (2) does not allow properties to be changed.
-1	System.NotSupportedException	The list (1) that the field (2) belongs to has an external data source and direction is not equal to none.

### 3.2.5.40.1.1.6 EditFormat

**Type:** Microsoft.SharePoint.Client.ChoiceFormatType

**Accessibility:** Read/Write

Specifies whether to display the choice field (2) as radio buttons or as a drop-down list.

### 3.2.5.40.1.1.7 EnforceUniqueValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the field (2) enforces unique values

The value MUST NOT be TRUE for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	If the field belongs to a list (1) that has an external data source and trying to set to true

### 3.2.5.40.1.1.8 FieldTypeKind

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The field (2) does not allow properties to be changed OR the field (2) cannot be changed to the new type.
-1	System.NotSupportedException	The field (2) belongs to a list (1) that has an external data source and FieldTypeKind is modified.

### 3.2.5.40.1.1.9 FillInChoice

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether users can fill in their own values for the field (2).

### 3.2.5.40.1.1.10 Filterable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, specified in section [3.2.5.37.1.1.7](#).

### 3.2.5.40.1.1.11 FromBaseType

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the field (2) derives from a base field type.

### 3.2.5.40.1.1.12 Group

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-	Microsoft.SharePoint.SPException	The field (2) does not allow properties to be changed.

Error Code	Error Type Name	Condition
2146232832		
-1	System.NotSupportedException	If this field (2) belongs to a list (1) that has an external data source.

### 3.2.5.40.1.1.13 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The field (2) that does not allow this property to be set.

### 3.2.5.40.1.1.14 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.37.1.1.11](#).

### 3.2.5.40.1.1.15 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.40.1.1.16 Mappings

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the canonical values for the specified choices.

It MUST be NULL or XML that is valid according to the schema for MAPPINGDEFINITION specified in [\[MS-WSSCAML\]](#), 2.3.2.12.1.

### 3.2.5.40.1.1.17 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write



Specifies whether values in the field (2) can be modified.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Thrown when attempting to change the value of ReadOnlyField when this field (2) has an external data source.

### 3.2.5.40.1.1.18 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Required**, specified in section [3.2.5.37.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	If this field (2) belongs to a list (1) that has an external data source and Required is set to true.

### 3.2.5.40.1.1.19 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It MUST be an **XML document** that conforms to the FieldDefinition type as defined in [\[MS-WSSCAML\]](#) document or a string that is null or empty

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The field (2) does not allow properties to be changed.
-1	System.NotSupportedException	The list (1) that the field (2) belongs to has an external <b>data source (1)</b> and the set value is not an empty or a null string.

### 3.2.5.40.1.1.20 Scope

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

### 3.2.5.40.1.1.21 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

### 3.2.5.40.1.1.22 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

### 3.2.5.40.1.1.23 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.38.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The field (2) does not allow properties to be changed.
-1	System.NotSupportedException	If this field (2) belongs to a list (1) that has an external data source and StaticName is changed.

### 3.2.5.40.1.1.24 Title

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The field does not allow properties to be changed.

### 3.2.5.40.1.1.25 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The field (2) does not allow properties to be changed.
-1	System.NotSupportedException	If the list (1) has an external data source

**3.2.5.40.1.1.26 TypeDisplayName**

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeDisplayName**, specified in section [3.2.5.37.1.1.22](#).

It MUST NOT be NULL. It MUST NOT be empty.

**3.2.5.40.1.1.27 TypeShortDescription**

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

**3.2.5.40.1.1.28 ValidationFormula**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The field (2) is not associated with a list (1) or is not of an appropriate type.

**3.2.5.40.1.1.29 ValidationMessage**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The field (2) is not associated with a list (1) or is not of an appropriate

### 3.2.5.40.1.2 ObjectPath Properties

None.

### 3.2.5.40.2 Methods

#### 3.2.5.40.2.1 Scalar Methods

##### 3.2.5.40.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The field (2) is a <b>primary lookup field</b> with dependent lookups OR a read-only field (2) in the list (1).
- 2130575215	Microsoft.SharePoint.SPException	The field (2) is inherited from the base type of the list (1).
- 2130575214	Microsoft.SharePoint.SPException	The field (2) is a hidden field in the list (1).
- 2130575213	Microsoft.SharePoint.SPException	The field (2) is a sealed field (2).
- 2130575212	Microsoft.SharePoint.SPException	The field (2) is a read only field (2).
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	The operation exceeds the list view threshold.
- 2147024809	System.ArgumentException	The field (2) does not exist in the list (1).
-1	System.InvalidOperationException	The field (2) does not allow deletion.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.40.2.1.2 Update

**Return Type:** None

Updates the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	The field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	The field (2) is derived from a built-in <b>field type</b> or the field (2) is referred to by another calculated field and the field type is not changing to either a: text, calculated, number, integer, currency, date/time, choice or Boolean field (2) or changing the field type is not allowed.
- 2130575295	Microsoft.SharePoint.SPException	The <b>formula</b> for a calculated field refers functions or semi-calculated formula.
- 2130575272	Microsoft.SharePoint.SPException	The formula for a calculated field refers to a field (2) whose field type is not allowed in a formula.
- 2130575271	Microsoft.SharePoint.SPException	The formula for a calculated field contains a circular reference
- 2130575270	Microsoft.SharePoint.SPException	The formula for a calculated field has a syntax error
- 2130575160	Microsoft.SharePoint.SPException	The formula for a calculated field refers to a field (2) that does not exist
- 2130246331	Microsoft.SharePoint.SPException	Changing the field type on an indexed field (2) or changing the field type and indexing the field (2) at the same time.
- 2130246239	Microsoft.SharePoint.SPException	Adding unique column constraints to a field (2) which is not indexed.
- 2130246238	Microsoft.SharePoint.SPException	Changing a field (2) to stop indexing that does not allow duplicate values.
- 2130246237	Microsoft.SharePoint.SPException	Changing the field (2) to start indexing and adding unique column constraints to the field (2) and the list (1) has duplicate values.
- 2130246236	Microsoft.SharePoint.SPException	Changing the field type of the field (2) that does not allow duplicate values.
- 2130246235	Microsoft.SharePoint.SPException	Changing the field type to Boolean where allowing duplicate values is not supported.
- 2130246222	Microsoft.SharePoint.SPException	Adding unique column constraints to a lookup field and starting to index the field (2) when the field (2) is already indexed.

Error Code	Error Type Name	Condition
- 2130246218	Microsoft.SharePoint.SPException	The total number of fields (2) in the list (1) exceeds the allowed limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Adding unique column constraints or trying to index the field (2) while the current user has insufficient permissions to perform operations on large lists.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.40.2.1.3 UpdateAndPushChanges

**Return Type:** None

Updates the field (2), optionally propagating the changes to lists containing the field (2).

**Parameters:**

*pushChangesToLists*: TRUE to propagate changes to lists that contain the field (2); otherwise, FALSE.

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	The field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	The field (2) is derived from a built-in field type or the field (2) is referred to by another calculated field and the field type is not changing to either a: text, calculated, number, integer, currency, date/time, choice or Boolean field (2) or changing the field type is not allowed.
- 2130575295	Microsoft.SharePoint.SPException	The formula for a calculated field refers functions or semi-calculated formula.
- 2130575272	Microsoft.SharePoint.SPException	The formula for a calculated field refers to a field (2) whose field type is not allowed in a formula.
- 2130575271	Microsoft.SharePoint.SPException	The formula for a calculated field contains a circular reference
- 2130575270	Microsoft.SharePoint.SPException	The formula for a calculated field has a syntax error
- 2130575160	Microsoft.SharePoint.SPException	The formula for a calculated field refers to a field (2) that does not exist

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Changing the field type on an indexed field (2) or changing the field type and indexing the field (2) at the same time.
- 2130246239	Microsoft.SharePoint.SPException	Adding unique column constraints to a field (2) which is not indexed.
- 2130246238	Microsoft.SharePoint.SPException	Changing a field (2) to stop indexing that does not allow duplicate values.
- 2130246237	Microsoft.SharePoint.SPException	Changing the field (2) to start indexing and adding unique column constraints to the field (2) and the list (1) has duplicate values.
- 2130246236	Microsoft.SharePoint.SPException	Changing the field type of a field (2) that does not allow duplicate values.
- 2130246235	Microsoft.SharePoint.SPException	Changing the field type to Boolean where allowing duplicate values is not supported.
- 2130246222	Microsoft.SharePoint.SPException	Changing a lookup field to not allow multiple values on an indexed field (2) or changing a lookup field to not allow multiple values and indexing the field (2) at the same time.
- 2130246218	Microsoft.SharePoint.SPException	The total number of fields (2) in the list (1) exceeds the allowed limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Adding unique column constraints or trying to index the field (2) while the current user has insufficient permissions to perform operations on large lists.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.40.2.2 ObjectPath Methods

None.

### 3.2.5.41 Microsoft.SharePoint.Client.FieldCollection

**TypeId:** {D449D756-E113-4D27-A5E7-609CBC3EBA7E}

**ShortName:** SP.FieldCollection

Specifies a collection of fields (2).

### 3.2.5.41.1 Properties

#### 3.2.5.41.1.1 Scalar Properties

##### 3.2.5.41.1.1.1 SchemaXml

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the XML schema of the collection of fields (2).

It MUST NOT be NULL. It MUST NOT be empty. It MUST be an XML document that each field (2) in SchemaXml conforms to the FieldDefinitions type as defined in [\[MS-WSSFO2\]](#) section 2.2.9.3.3.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.41.1.2 ObjectPath Properties

None.

#### 3.2.5.41.2 Methods

##### 3.2.5.41.2.1 Scalar Methods

None.

#### 3.2.5.41.2.2 ObjectPath Methods

##### 3.2.5.41.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.Field

Adds a field (2) to the field collection. A reference to the SP.Field that was added is returned.

**Parameters:**

*field*: A Microsoft.Sharepoint.Field object

Type: Microsoft.SharePoint.Client.Field

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	It is not a valid file name or is it not a server-relative URL or it is not an absolute URL.



Error Code	Error Type Name	Condition
- 2130575271	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575270	Microsoft.SharePoint.SPException	The formula for a calculated field has a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	The formula for a calculated field refers to a field (2) that does not exist.
- 2130246239	Microsoft.SharePoint.SPException	Changing the EnforceUniqueValues property to true for a field (2) which is not indexed.
- 2130246235	Microsoft.SharePoint.SPException	Setting EnforceUniqueValues on a Boolean property is not supported.
- 2130246218	Microsoft.SharePoint.SPException	The total number of fields (2) in the list (1) exceeds the allowed limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	The throttling limit is reached.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.41.2.2.2 AddDependentLookup

**Return Type:** Microsoft.SharePoint.Client.Field

Adds a secondary lookup field to a field collection. A reference to the SP.Field that was added is returned.

**Parameters:**

*displayName:* Title of the added field.

Type: CSOM String

*primaryLookupField:* Main **lookup** field to associate the dependent **lookup** field with. A dependent **lookup** field will include data from the list item referred to from the instance of the main **lookup** field.

Type: Microsoft.SharePoint.Client.Field

*lookupField:* Name of the **field** from the target list (1) to include data from.

Type: CSOM String

### 3.2.5.41.2.2.3 AddFieldAsXml

**Return Type:** Microsoft.SharePoint.Client.Field

Creates a field (2) in the **field** collection. A reference to the SP.Field that was added is returned.

**Parameters:**

*schemaXml:* XML string that specifies the field (2) definition

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. It MUST be a valid XML string corresponding to the FieldDefinition, as specified in [\[MS-WSSFO2\]](#) section 2.2.9.3.3.1.

*addToDefaultView*: Specifies to add the field (2) to the default list (1) view.

Type: CSOM Boolean

*options*: A value that specifies the field (2) options.

Type: Microsoft.SharePoint.Client.AddFieldOptions

#### Exceptions:

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The throttling limit is reached and not enough resources are available to process this command.
- 2130575340	Microsoft.SharePoint.SPException	The throttling limit is reached.
- 2130575295	Microsoft.SharePoint.SPException	Formula is empty for the calculated field (2) type.
- 2130575272	Microsoft.SharePoint.SPException	One or more field (2) types are not installed properly.
- 2130575271	Microsoft.SharePoint.SPException	The formula for a calculated field contains a circular reference.
- 2130575270	Microsoft.SharePoint.SPException	The formula for a calculated field has a syntax error.
- 2130575199	Microsoft.SharePoint.SPException	The current user has insufficient permissions.
- 2130575160	Microsoft.SharePoint.SPException	The formula for a calculated field refers to a field (2) that does not exist.
- 2130246239	Microsoft.SharePoint.SPException	Changing the <b>EnforceUniqueValues</b> property to <b>TRUE</b> for a field (2) which is not indexed.
- 2130246235	Microsoft.SharePoint.SPException	Setting <b>EnforceUniqueValues</b> on a Boolean property is not supported.
- 2130246218	Microsoft.SharePoint.SPException	The total number of fields (2) in the list (1) exceeds the allowed limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	An error occurred during the processing of the specified XML.

### 3.2.5.41.2.2.4 GetById

**Return Type:** Microsoft.SharePoint.Client.Field

Returns the field (2) specified by the identifier as represented by the parameter.

**Parameters:**

*id*: The field identifier

Type: CSOM GUID

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	The field (2) with the specified identifier does not exist in the collection at its scope.
- 2147024891	System.UnauthorizedAccessException	User does not have permissions to get the field.

**3.2.5.41.2.2.5 GetByInternalNameOrTitle**

**Return Type:** Microsoft.SharePoint.Client.Field

Returns the first field (2) in the collection based on the internal name or the title specified by the parameter.

**Parameters:**

*strName*: The title or internal name to look up the field (2) by.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	The field (2) with the specified internal name or title does not exist in the collection at its scope.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

**3.2.5.41.2.2.6 GetByTitle**

**Return Type:** Microsoft.SharePoint.Client.Field

Returns the first field (2) object in the collection based on the title of the specified field (2)

**Parameters:**

*displayName*: The title to look up the field (2) by.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	The field (2) with the specified title does not exist in the collection at its scope.
- 2147024891	System.UnauthorizedAccessException	User does not have permissions to get the field.

### 3.2.5.42 Microsoft.SharePoint.Client.FieldComputed

**TypeId:** {379B8994-F0E7-4C74-A1E6-185EB8600C3C}

**ShortName:** SP.FieldComputed

Specifies a **computed field**.

#### 3.2.5.42.1 Properties

##### 3.2.5.42.1.1 Scalar Properties

###### 3.2.5.42.1.1.1 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

###### 3.2.5.42.1.1.2 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

###### 3.2.5.42.1.1.3 Description

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the

Error Code	Error Type Name	Condition
2146232832		field (2) to be changed.

#### 3.2.5.42.1.1.4 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value other than "none", and the list (1) is an external list.

#### 3.2.5.42.1.1.5 EnableLookup

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether a lookup field can **reference** the field (2).

#### 3.2.5.42.1.1.6 EnforceUniqueValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Returns whether the field enforces unique values

The value cannot be set to TRUE for the built-in fields or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list (1) is an external list.

#### 3.2.5.42.1.1.7 FieldTypeKind

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

**3.2.5.42.1.1.8 Filterable**

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, specified in section [3.2.5.37.1.1.7](#).

**3.2.5.42.1.1.9 FromBaseType**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field derives from a base field type.

**3.2.5.42.1.1.10 Group**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

**3.2.5.42.1.1.11 Hidden**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Value is changed to <b>TRUE</b> on a field (2) which cannot be hidden.

#### 3.2.5.42.1.1.12 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.37.1.1.11](#).

#### 3.2.5.42.1.1.13 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

#### 3.2.5.42.1.1.14 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, specified in section [3.2.5.37.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

#### 3.2.5.42.1.1.15 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Required**, specified in section [3.2.5.37.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

#### 3.2.5.42.1.1.16 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It **MUST** be **NULL**, empty, or an XML fragment that conforms to the **FieldDefinition** type as defined in [\[MS-WSSFO2\]](#) section 2.2.9.3.3.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a non- <b>NULL</b> or non-empty value, and the list (1) is an external list.

### 3.2.5.42.1.1.17 Scope

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

### 3.2.5.42.1.1.18 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

### 3.2.5.42.1.1.19 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

### 3.2.5.42.1.1.20 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.37.1.1.19](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.



### 3.2.5.42.1.1.21 Title

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.42.1.1.22 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.42.1.1.23 TypeDisplayName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeDisplayName**, specified in section [3.2.5.37.1.1.22](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.42.1.1.24 TypeShortDescription

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.42.1.1.25 ValidationFormula

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.42.1.1.26 ValidationMessage

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.42.1.2 ObjectPath Properties

None.

## 3.2.5.42.2 Methods

### 3.2.5.42.2.1 Scalar Methods

#### 3.2.5.42.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-	Microsoft.SharePoint.SPException	Field (2) is a primary lookup field with dependent lookup field or

Error Code	Error Type Name	Condition
2146232832		<b>ReadOnlyField</b> is TRUE.
- 2130575215	Microsoft.SharePoint.SPException	Field (2) is inherited from the base type of the list (1).
- 2130575214	Microsoft.SharePoint.SPException	Field (2) is hidden.
- 2130575213	Microsoft.SharePoint.SPException	<b>Sealed</b> is TRUE.
- 2130575212	Microsoft.SharePoint.SPException	<b>ReadOnlyField</b> is TRUE.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	Field (2) does not exist.
-1	System.InvalidOperationException	<b>CanBeDeleted</b> is FALSE.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.42.2.1.2 Update

**Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.

Error Code	Error Type Name	Condition
- 2130575160	Microsoft.SharePoint.SPException	Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to Boolean and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.42.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Data validation criteria in <b>FieldCalculated.Formula</b> or <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field, which is an indexed field, is set to <b>FALSE</b> .

Error Code	Error Type Name	Condition
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.42.2.2 ObjectPath Methods

None.

### 3.2.5.43 Microsoft.SharePoint.Client.FieldCurrency

**TypeId:** {E03CA5F6-5F18-47F3-8AB4-74CABA56EE1E}

**ShortName:** SP.FieldCurrency

Specifies a field (2) that contains currency values.

### 3.2.5.43.1 Properties

#### 3.2.5.43.1.1 Scalar Properties

##### 3.2.5.43.1.1.1 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

##### 3.2.5.43.1.1.2 CurrencyLocaleId

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the **language code identifier (LCID)** used to format the value of the field (2).

It MUST be a valid language code identifier (LCID) as specified in [\[MS-LCID\]](#) section 2.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

##### 3.2.5.43.1.1.3 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

#### 3.2.5.43.1.1.4 Description

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

#### 3.2.5.43.1.1.5 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list (1) is an external list.

#### 3.2.5.43.1.1.6 EnforceUniqueValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Returns whether the field enforces unique values

The value cannot be set to TRUE for the built-in fields or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list (1) is an external list.

### 3.2.5.43.1.1.7 FieldTypeKind

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.43.1.1.8 Filterable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, specified in section [3.2.5.37.1.1.7](#).

### 3.2.5.43.1.1.9 FromBaseType

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field derives from a base field type.

### 3.2.5.43.1.1.10 Group

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Field (2) does not allow properties to be change.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.



### 3.2.5.43.1.1.11 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Value is changed to <b>TRUE</b> on a field (2), which cannot be hidden.

### 3.2.5.43.1.1.12 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.38.1.1.12](#).

### 3.2.5.43.1.1.13 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.43.1.1.14 MaximumValue

**Type:** **CSOM Double**

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.FieldNumber.MaximumValue**, specified in section [3.2.5.53.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146233086	System.ArgumentOutOfRangeException	Value is changed to a value less than <b>MinimumValue</b> .

### 3.2.5.43.1.1.15 MinimumValue

**Type:** CSOM Double

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.FieldNumber.MinimumValue**, specified in section [3.2.5.53.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146233086	System.ArgumentOutOfRangeException	Value is changed to a value greater than <b>MaximumValue</b> .

### 3.2.5.43.1.1.16 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, specified in section [3.2.5.37.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.43.1.1.17 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Required**, specified in section [3.2.5.37.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

### 3.2.5.43.1.1.18 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It MUST be NULL, empty, or an XML fragment that conforms to the **FieldDefinition** type, as specified in [\[MS-WSSCAML\]](#) section 2.3.2.6.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a non- <b>NULL</b> or non-empty value, and the list (1) is an external list.

### 3.2.5.43.1.1.19 Scope

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

### 3.2.5.43.1.1.20 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

### 3.2.5.43.1.1.21 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

### 3.2.5.43.1.1.22 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.37.1.1.19](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.43.1.1.23 Title

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

#### 3.2.5.43.1.1.24 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

#### 3.2.5.43.1.1.25 TypeDisplayName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeDisplayName**, specified in section [3.2.5.37.1.1.22](#).

It MUST NOT be NULL. It MUST NOT be empty.

#### 3.2.5.43.1.1.26 TypeShortDescription

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

#### 3.2.5.43.1.1.27 ValidationFormula

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.43.1.1.28 ValidationMessage

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.43.1.2 ObjectPath Properties

None.

### 3.2.5.43.2 Methods

#### 3.2.5.43.2.1 Scalar Methods

##### 3.2.5.43.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Field (2) is a primary lookup field with dependent lookup field or <b>ReadOnlyField</b> is <b>TRUE</b> .
- 2130575215	Microsoft.SharePoint.SPException	Field (2) is inherited from the base type of the list (1).
- 2130575214	Microsoft.SharePoint.SPException	Field (2) is hidden.
- 2130575213	Microsoft.SharePoint.SPException	<b>Sealed</b> is <b>TRUE</b> .

Error Code	Error Type Name	Condition
- 2130575212	Microsoft.SharePoint.SPException	<b>ReadOnlyField</b> is <b>TRUE</b> .
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	Field (2) does not exist.
-1	System.InvalidOperationException	<b>CanBeDeleted</b> is <b>FALSE</b> .
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.43.2.1.2 Update

**Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to Boolean and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is an indexed field, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.43.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.

Error Code	Error Type Name	Condition
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to Boolean and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is an indexed field, is set to FALSE.
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.



Error Code	Error Type Name	Condition
-2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.43.2.2 ObjectPath Methods

None.

### 3.2.5.44 Microsoft.SharePoint.Client.FieldDateTime

**TypeId:** {4F9DC9B4-D900-40EB-94B9-008ABBFB22E1}

**ShortName:** SP.FieldDateTime

Specifies a field (2) that contains date and time values.

#### 3.2.5.44.1 Properties

##### 3.2.5.44.1.1 Scalar Properties

###### 3.2.5.44.1.1.1 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

###### 3.2.5.44.1.1.2 DateTimeCalendarType

**Type:** Microsoft.SharePoint.Client.CalendarType

**Accessibility:** Read/Write

Specifies the calendar type of the field (2).

It MUST be None if the field (2) is in an external list.

###### 3.2.5.44.1.1.3 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

#### 3.2.5.44.1.1.4 Description

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

#### 3.2.5.44.1.1.5 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list (1) is an external list.

#### 3.2.5.44.1.1.6 DisplayFormat

**Type:** Microsoft.SharePoint.Client.DateTimeFieldFormatType

**Accessibility:** Read/Write

Specifies the type of date and time format that is used in the field (2).

#### 3.2.5.44.1.1.7 EnforceUniqueValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Returns whether the field enforces unique values

The value cannot be set to **TRUE** for the built-in fields or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list (1) is an external list.

### 3.2.5.44.1.1.8 FieldTypeKind

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.44.1.1.9 Filterable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, specified in section [3.2.5.37.1.1.7](#).

### 3.2.5.44.1.1.10 FromBaseType

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field (2) derives from a base field type.

### 3.2.5.44.1.1.11 Group

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.44.1.1.12 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Value is changed to <b>TRUE</b> on a field (2), which cannot be hidden.

### 3.2.5.44.1.1.13 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.37.1.1.11](#).

### 3.2.5.44.1.1.14 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.44.1.1.15 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, specified in section [3.2.5.37.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.44.1.1.16 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Required**, specified in section [3.2.5.37.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

### 3.2.5.44.1.1.17 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It MUST be NULL, empty, or an XML fragment that conforms to the **FieldDefinition** type as defined in [\[MS-WSSFO2\]](#) section 2.2.9.3.3.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a non- <b>NULL</b> or non-empty value, and the list (1) is an external list.

### 3.2.5.44.1.1.18 Scope

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

### 3.2.5.44.1.1.19 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

### 3.2.5.44.1.1.20 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

### 3.2.5.44.1.1.21 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.37.1.1.19](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.44.1.1.22 Title

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#)

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The server does not allow properties of the field (2) to be changed.

### 3.2.5.44.1.1.23 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.44.1.1.24 TypeDisplayName

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the display name of the field type.

It MUST NOT be NULL. It MUST NOT be empty.

#### 3.2.5.44.1.1.25 TypeShortDescription

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

#### 3.2.5.44.1.1.26 ValidationFormula

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#)

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

#### 3.2.5.44.1.1.27 ValidationMessage

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

#### 3.2.5.44.1.2 ObjectPath Properties

None.

## 3.2.5.44.2 Methods

### 3.2.5.44.2.1 Scalar Methods

#### 3.2.5.44.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Field (2) is a primary lookup field with dependent lookup field or <b>ReadOnlyField</b> is <b>TRUE</b> .
- 2130575215	Microsoft.SharePoint.SPException	Field (2) is inherited from the base type of the list (1).
- 2130575214	Microsoft.SharePoint.SPException	Field (2) is hidden.
- 2130575213	Microsoft.SharePoint.SPException	<b>Sealed</b> is <b>TRUE</b> .
- 2130575212	Microsoft.SharePoint.SPException	<b>ReadOnlyField</b> is <b>TRUE</b> .
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	Field (2) does not exist.
-1	System.InvalidOperationException	<b>CanBeDeleted</b> is <b>FALSE</b> .
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.44.2.1.2 Update

**Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.



Error Code	Error Type Name	Condition
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is an indexed field, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.

Error Code	Error Type Name	Condition
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.44.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.

Error Code	Error Type Name	Condition
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is an indexed field, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.44.2.2 ObjectPath Methods

None.

### 3.2.5.45 Microsoft.SharePoint.Client.FieldGuid

**TypeId:** {768B27AA-A4E0-4CFB-9956-1F7F0E93FB42}

**ShortName:** SP.FieldGuid

Specifies a field (2) that contains global unique identifier values.

#### 3.2.5.45.1 Properties

##### 3.2.5.45.1.1 Scalar Properties

###### 3.2.5.45.1.1.1 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

### 3.2.5.45.1.1.2 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.45.1.1.3 Description

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.45.1.1.4 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list (1) is an external list.

### 3.2.5.45.1.1.5 EnforceUniqueValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Returns whether the field enforces unique values

The value cannot be set to TRUE for the built-in fields or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list (1) is an external list.

### 3.2.5.45.1.1.6 FieldTypeKind

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.45.1.1.7 Filterable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, specified section [3.2.5.37.1.1.7](#).

### 3.2.5.45.1.1.8 FromBaseType

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field (2) derives from a base field type.

### 3.2.5.45.1.1.9 Group

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.45.1.1.10 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Value is changed to <b>TRUE</b> on a field (2), which cannot be hidden.

### 3.2.5.45.1.1.11 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.37.1.1.11](#).

### 3.2.5.45.1.1.12 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.45.1.1.13 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, specified in section [3.2.5.37.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.45.1.1.14 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Required**, specified in section [3.2.5.37.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

### 3.2.5.45.1.1.15 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It MUST be an XML document that conforms to the **FieldDefinition** type as specified in [\[MS-WSSFO2\]](#) section 2.2.9.3.3 or a string that is **NULL** or empty.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a non- <b>NULL</b> or non-empty value, and the list (1) is an external list.

### 3.2.5.45.1.1.16 Scope

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

### 3.2.5.45.1.1.17 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

### 3.2.5.45.1.1.18 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

### 3.2.5.45.1.1.19 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.37.1.1.19](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.45.1.1.20 Title

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.45.1.1.21 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.45.1.1.22 TypeDisplayName

**Type:** CSOM String



**Accessibility:** Read Only

Specifies the display name for FieldTypeKind of the field.

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.45.1.1.23 TypeShortDescription

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.45.1.1.24 ValidationFormula

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.45.1.1.25 ValidationMessage

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.45.1.2 ObjectPath Properties

None.

## 3.2.5.45.2 Methods

### 3.2.5.45.2.1 Scalar Methods

#### 3.2.5.45.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The field (2) cannot be deleted because it is a primary lookup field with dependent lookup fields or it is in <b>read-only mode</b> .
- 2130575215	Microsoft.SharePoint.SPException	The field (2) cannot be deleted because it is inherited from the list (1)'s base type.
- 2130575214	Microsoft.SharePoint.SPException	The field (2) cannot be deleted because it is hidden in the list (1).
- 2130575213	Microsoft.SharePoint.SPException	The field (2) cannot be deleted because it is a <b>sealed field</b> in the list (1).
- 2130575212	Microsoft.SharePoint.SPException	The field (2) cannot be deleted because it is in read-only mode.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	The field (2) cannot be deleted because it does not exist in the list (1).
-1	System.InvalidOperationException	The field (2) cannot be deleted because it does not allow deletion.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.45.2.1.2 Update

**Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field does not exist
- 2130575301	Microsoft.SharePoint.SPException	If the field is derived from a built-in field type or the field is referred by another <b>Calculated Field</b> and is not changing to either <b>FieldType.Text</b> , <b>FieldType.Calculated</b> , <b>FieldType.Number</b> , <b>FieldType.Integer</b> , <b>FieldType.Currency</b> , <b>FieldType.DateTime</b> , <b>FieldType.Choice</b> , or <b>FieldType.Boolean</b> or the field type change is not allowed
- 2130575295	Microsoft.SharePoint.SPException	The formula for a <b>FieldCalculated</b> refers functions or semi-calculated formula
- 2130575272	Microsoft.SharePoint.SPException	The formula for a <b>FieldCalculated</b> refers to a field (2) whose <b>FieldTypeKind</b> is not allowed in formula
- 2130575271	Microsoft.SharePoint.SPException	The formula for a <b>FieldCalculated</b> contains a circular reference
- 2130575270	Microsoft.SharePoint.SPException	The formula for a <b>FieldCalculated</b> has a syntax error
- 2130575160	Microsoft.SharePoint.SPException	The formula for a <b>FieldCalculated</b> refers to a field that does not exist
- 2130246331	Microsoft.SharePoint.SPException	Changing the type of a field that is being indexed or is already indexed is not allowed.
- 2130246239	Microsoft.SharePoint.SPException	Setting <b>EnforceUniqueValues</b> property to <b>TRUE</b> for a field which is not an indexed field is not allowed.
- 2130246238	Microsoft.SharePoint.SPException	Removing an index from a field that does not allow duplicate values.
- 2130246237	Microsoft.SharePoint.SPException	Indexing and setting <b>EnforceUniqueValues</b> property of a field (2) to <b>TRUE</b> when the field has duplicate values in the existing list items.
- 2130246236	Microsoft.SharePoint.SPException	Changing the type of a field that does not allow duplicate values.
- 2130246235	Microsoft.SharePoint.SPException	Changing the type of a field to a <b>Boolean</b> when the field does not support duplicate values.
-	Microsoft.SharePoint.SPException	Changing <b>EnforceUniqueValues</b> to

Error Code	Error Type Name	Condition
2130246222		<b>TRUE</b> to a lookup field which is also changing to be indexed or which is already indexed.
- 2130246218	Microsoft.SharePoint.SPException	Total Number of fields in the list (1) exceeds the limit
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Changing the <b>EnforceUniqueValues</b> property from <b>FALSE</b> to <b>TRUE</b> , or indexing the field when the current user does not have permission to do a list (1) operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.45.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist
- 2130575301	Microsoft.SharePoint.SPException	If the field (2) is derived from a built-in field type or the field (2) is referred by another calculated field and is not changing to either <b>FieldType.Text</b> , <b>FieldType.Calculated</b> , <b>FieldType.Number</b> , <b>FieldType.Integer</b> , <b>FieldType.Currency</b> , <b>FieldType.DateTime</b> , <b>FieldType.Choice</b> , or <b>FieldType.Boolean</b> or the field type change is not allowed
- 2130575295	Microsoft.SharePoint.SPException	The formula for a <b>FieldCalculated</b> refers functions or semi-calculated formula
- 2130575272	Microsoft.SharePoint.SPException	The formula for a <b>FieldCalculated</b> refers to a field with a <b>FieldTypeKind</b> property that is not allowed in formula

Error Code	Error Type Name	Condition
- 2130575271	Microsoft.SharePoint.SPException	The formula for a <b>FieldCalculated</b> contains a circular reference
- 2130575270	Microsoft.SharePoint.SPException	The formula for a <b>FieldCalculated</b> has a syntax error
- 2130575160	Microsoft.SharePoint.SPException	The formula for a <b>FieldCalculated</b> refers to a field that does not exist
- 2130246331	Microsoft.SharePoint.SPException	Changing the type of a field that is being indexed or is already indexed is not allowed.
- 2130246239	Microsoft.SharePoint.SPException	Setting <b>EnforceUniqueValues</b> property to <b>TRUE</b> for a field which is not indexed is not allowed.
- 2130246238	Microsoft.SharePoint.SPException	Removing an index from a field that does not allow duplicate values.
- 2130246237	Microsoft.SharePoint.SPException	Indexing and setting <b>EnforceUniqueValues</b> property of a field (2) to <b>TRUE</b> when the field has duplicate values in the existing list items.
- 2130246236	Microsoft.SharePoint.SPException	Changing the type of a field that does not allow duplicate values.
- 2130246235	Microsoft.SharePoint.SPException	Changing the type of a field to a <b>Boolean</b> when the field does not support duplicate values..
- 2130246222	Microsoft.SharePoint.SPException	Changing <b>EnforceUniqueValues</b> to <b>TRUE</b> on a lookup field which is also changing to be indexed or which is already indexed.
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields in the list (1) exceeds the limit
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Changing the <b>EnforceUniqueValues</b> property from <b>FALSE</b> to <b>TRUE</b> , or indexing the field when the current user does not have permission to do a list (1) operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.45.2.2 ObjectPath Methods

None.

### 3.2.5.46 Microsoft.SharePoint.Client.FieldLink

**TypeId:** {E2D99203-868F-4211-AC76-F6BCA0FF94EE}

**ShortName:** SP.FieldLink

Specifies a reference to a field (2) or **field definition** for a content type

### 3.2.5.46.1 Properties

#### 3.2.5.46.1.1 Scalar Properties

##### 3.2.5.46.1.1.1 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the field (2) corresponding to this field link will be available in New/Edit list item forms.

##### 3.2.5.46.1.1.2 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the **GUID** identifier of the field link. The value of this property is identical to the value of the **Id** property of the field (2) or field definition which is being referenced.

It MUST NOT be an empty GUID.

##### 3.2.5.46.1.1.3 Name

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the name of the field link.

It MUST be less than or equal to 256 characters.

It MUST NOT be NULL.

##### 3.2.5.46.1.1.4 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the field (2) requires a value.

#### 3.2.5.46.1.2 ObjectPath Properties

None.

### 3.2.5.46.2 Methods

#### 3.2.5.46.2.1 Scalar Methods

##### 3.2.5.46.2.1.1 DeleteObject

**Return Type:** None

Deletes this field link from the collection of the parent content type.

**Parameters:** None

#### 3.2.5.46.2.2 ObjectPath Methods

None.

### 3.2.5.47 Microsoft.SharePoint.Client.FieldLinkCollection

**TypeId:** {6D87E76A-B8A8-4634-8170-082B1D454BFD}

**ShortName:** SP.FieldLinkCollection

Specifies a Collection for field links.

#### 3.2.5.47.1 Properties

##### 3.2.5.47.1.1 Scalar Properties

None.

##### 3.2.5.47.1.2 ObjectPath Properties

None.

#### 3.2.5.47.2 Methods

##### 3.2.5.47.2.1 Scalar Methods

None.

##### 3.2.5.47.2.2 ObjectPath Methods

###### 3.2.5.47.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.FieldLink

Add a field link with the specified link information to the collection. A reference to the SP.Field that was added is returned.

**Parameters:**

*parameters:* Specifies the field link information of the field link to be added to the collection.

Type: Microsoft.SharePoint.Client.FieldLinkCreationInformation

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	One of the following conditions can cause this exception: the field specified is not accessible, or a duplicate field name is found.

### 3.2.5.48 Microsoft.SharePoint.Client.FieldLinkCreationInformation

**TypeId:** {63FB2C92-8F65-4BBB-A658-B6CD294403F4}

**ShortName:** SP.FieldLinkCreationInformation

Specifies a set of properties that are used as parameters to initialize a field link.

#### 3.2.5.48.1 Properties

##### 3.2.5.48.1.1 Scalar Properties

None.

##### 3.2.5.48.1.2 ObjectPath Properties

###### 3.2.5.48.1.2.1 Field

**Type:** Microsoft.SharePoint.Client.Field

**Accessibility:** Read/Write

Specifies field (2) information of the field link to be created.

It MUST NOT be NULL.

### 3.2.5.49 Microsoft.SharePoint.Client.FieldLookup

**TypeId:** {EE47FF61-3260-43A9-BE22-829A1FA85B44}

**ShortName:** SP.FieldLookup

AGUID that specifies a lookup field.

#### 3.2.5.49.1 Properties

##### 3.2.5.49.1.1 Scalar Properties

###### 3.2.5.49.1.1.1 AllowMultipleValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the lookup field allows multiple values.



**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

**3.2.5.49.1.1.2 CanBeDeleted**

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

**3.2.5.49.1.1.3 DefaultValue**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

**3.2.5.49.1.1.4 Description**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

**3.2.5.49.1.1.5 Direction**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list (1) is an external list.

### 3.2.5.49.1.1.6 EnforceUniqueValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Returns whether the field enforces unique values

The value cannot be set to TRUE for the built-in fields or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list (1) is an external list.

### 3.2.5.49.1.1.7 FieldTypeKind

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.49.1.1.8 Filterable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, specified in section [3.2.5.37.1.1.7](#).

### 3.2.5.49.1.1.9 FromBaseType

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field derives from a base field type.

### 3.2.5.49.1.1.10 Group

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.49.1.1.11 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Value is changed to <b>TRUE</b> on a field (2) which cannot be hidden.

### 3.2.5.49.1.1.12 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.37.1.1.11](#).

### 3.2.5.49.1.1.13 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.49.1.1.14 IsRelationship

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the lookup field is a relationship field. It determines whether this lookup field is returned by **Microsoft.SharePoint.Client.List.GetRelatedField**.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list (1) that the field (2) belongs to is an external list.

### 3.2.5.49.1.1.15 LookupField

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the internal name of the field (2) in the target list (1), used to display lookup values.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed
-1	System.NotSupportedException	The list (1) that this field (2) belongs to is an external list.

### 3.2.5.49.1.1.16 LookupList

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the list identifier of the target list (1) that contains the lookup field.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Changing the value after this property was previously set or the protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	The list (1) that this field (2) belongs to is an external list.

### 3.2.5.49.1.1.17 LookupWebId

**Type:** CSOM GUID

**Accessibility:** Read/Write

Specifies the GUID that identifies the site (2) containing the list (1) which contains the field (2) used as the lookup values.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed
-1	System.NotSupportedException	The list (1) that this field (2) belongs to is an external list.

### 3.2.5.49.1.1.18 PrimaryFieldId

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the primary lookup field identifier if this is a dependent lookup field. Otherwise, it is an empty string.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Not a valid GUID, the field (2) is a dependent lookup field, or the server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	When the list (1) that this field belongs to is an external list.

### 3.2.5.49.1.1.19 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, specified in section [3.2.5.37.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.49.1.1.20 RelationshipDeleteBehavior

**Type:** Microsoft.SharePoint.Client.RelationshipDeleteBehaviorType

**Accessibility:** Read/Write

Specifies the **relationship delete behavior** of the lookup field

It MUST NOT be **Cascade** or **Restrict** for a site column

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	The list (1) that the field (2) belongs to is an external list.

### 3.2.5.49.1.1.21 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Required**, specified in section [3.2.5.37.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

### 3.2.5.49.1.1.22 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It MUST be NULL, empty, or an XML fragment that conforms to the **FieldDefinition** type, as specified in [\[MS-WSSCAML\]](#) section 2.3.2.6.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value that is not <b>NULL</b> or empty, and the list (1) is an external list.

### 3.2.5.49.1.1.23 Scope

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

#### 3.2.5.49.1.1.24 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

#### 3.2.5.49.1.1.25 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

#### 3.2.5.49.1.1.26 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.37.1.1.19](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

#### 3.2.5.49.1.1.27 Title

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

#### 3.2.5.49.1.1.28 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.49.1.1.29 TypeDisplayName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeDisplayName**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.49.1.1.30 TypeShortDescription

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.49.1.1.31 ValidationFormula

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.49.1.1.32 ValidationMessage

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).



Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.49.1.2 ObjectPath Properties

None.

### 3.2.5.49.2 Methods

#### 3.2.5.49.2.1 Scalar Methods

##### 3.2.5.49.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Field (2) is a primary lookup field with dependent lookup field or <b>ReadOnlyField</b> is TRUE.
- 2130575215	Microsoft.SharePoint.SPException	Field (2) is inherited from the base type of the list (1).
- 2130575214	Microsoft.SharePoint.SPException	Field (2) is hidden.
- 2130575213	Microsoft.SharePoint.SPException	<b>Sealed</b> is TRUE.
- 2130575212	Microsoft.SharePoint.SPException	<b>ReadOnlyField</b> is TRUE.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	The field cannot be deleted because it does not exist in the list (1).
-1	System.InvalidOperationException	<b>CanBeDeleted</b> is FALSE.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.49.2.1.2 Update

**Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
-	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field

Error Code	Error Type Name	Condition
2130246236		(2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is an indexed field, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.49.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.

Error Code	Error Type Name	Condition
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.49.2.2 ObjectPath Methods

None.

### 3.2.5.50 Microsoft.SharePoint.Client.FieldLookupValue

**TypeId:** {F1D34CC0-9B50-4A78-BE78-D5FACFCCCFB7}

**ShortName:** SP.FieldLookupValue

Specifies the value of a lookup for a field within a list item.

### 3.2.5.50.1 Properties

#### 3.2.5.50.1.1 Scalar Properties

##### 3.2.5.50.1.1.1 LookupId

**Type:** CSOM Int32

**Accessibility:** Read/Write

Gets or sets the **list item identifier** of the list item that this instance of the lookup field is referring to.

##### 3.2.5.50.1.1.2 LookupValue

**Type:** CSOM String

**Accessibility:** Read Only

Gets a summary of the list item that this instance of the lookup field is referring to.

#### 3.2.5.50.1.2 ObjectPath Properties

None.

### 3.2.5.51 Microsoft.SharePoint.Client.FieldMultiChoice

**TypeId:** {284C160F-3783-4344-A471-80E032719F26}

**ShortName:** SP.FieldMultiChoice

Specifies a field (2) that contains one or more values from a set of specified values.

#### 3.2.5.51.1 Properties

##### 3.2.5.51.1.1 Scalar Properties

##### 3.2.5.51.1.1.1 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

##### 3.2.5.51.1.1.2 Choices

**Type:** CSOM Array

**Accessibility:** Read/Write

Specifies values that are available for selection in the field (2).

It MUST be an array of CSOM Strings.

### 3.2.5.51.1.1.3 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.51.1.1.4 Description

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.51.1.1.5 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list (1) is an external list.

### 3.2.5.51.1.1.6 EnforceUniqueValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Returns whether the field enforces unique values

The value cannot be set to TRUE for the built-in fields or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list (1) is an external list.

**3.2.5.51.1.1.7 FieldTypeKind**

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

**3.2.5.51.1.1.8 FillInChoice**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the field (2) can accept values other than those specified in **Microsoft.Sharepoint.Client.FieldMultiChoice.Choices**, specified in section [3.2.5.51.1.1.2](#).

**3.2.5.51.1.1.9 Filterable**

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, specified in section [3.2.5.37.1.1.7](#).

**3.2.5.51.1.1.10 FromBaseType**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field derives from a base field type.

**3.2.5.51.1.1.11 Group**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.51.1.1.12 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Value is changed to <b>TRUE</b> on a field (2) which cannot be hidden.

### 3.2.5.51.1.1.13 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.37.1.1.11](#).

### 3.2.5.51.1.1.14 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.51.1.1.15 Mappings

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the internal values corresponding to **Choices**.

It MUST be **NULL** or an XML fragment that conforms to **MAPPINGDEFINITION** as specified in [\[MS-WSSFO2\]](#) section 2.2.9.3.13.



### 3.2.5.51.1.1.16 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, specified in section [3.2.5.37.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.51.1.1.17 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Required**, specified in section [3.2.5.37.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

### 3.2.5.51.1.1.18 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It MUST be NULL, empty, or an XML fragment that conforms to the **FieldDefinition** type as specified in [\[MS-WSSFO2\]](#) section 2.2.9.3.3.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a non- <b>NULL</b> or non-empty value, and the list (1) is an external list.

### 3.2.5.51.1.1.19 Scope

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

### 3.2.5.51.1.1.20 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

### 3.2.5.51.1.1.21 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

### 3.2.5.51.1.1.22 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.37.1.1.19](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.51.1.1.23 Title

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.51.1.1.24 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

**3.2.5.51.1.1.25 TypeDisplayName**

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeDisplayName** , specified in section [3.2.5.37.1.1.22](#).

It MUST NOT be NULL. It MUST NOT be empty.

**3.2.5.51.1.1.26 TypeShortDescription**

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

**3.2.5.51.1.1.27 ValidationFormula**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

**3.2.5.51.1.1.28 ValidationMessage**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.51.1.2 ObjectPath Properties

None.

### 3.2.5.51.2 Methods

#### 3.2.5.51.2.1 Scalar Methods

##### 3.2.5.51.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Field (2) is a primary lookup field with dependent lookup field or <b>ReadOnlyField</b> is <b>TRUE</b> .
- 2130575215	Microsoft.SharePoint.SPException	Field (2) is inherited from the base type of the list (1).
- 2130575214	Microsoft.SharePoint.SPException	Field (2) is hidden.
- 2130575213	Microsoft.SharePoint.SPException	<b>Sealed</b> is <b>TRUE</b> .
- 2130575212	Microsoft.SharePoint.SPException	<b>ReadOnlyField</b> is <b>TRUE</b> .
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	Field (2) does not exist.
-1	System.InvalidOperationException	<b>CanBeDeleted</b> is <b>FALSE</b> .
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.51.2.1.2 Update

**Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not

Error Code	Error Type Name	Condition
		supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is an indexed field, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.51.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.

Error Code	Error Type Name	Condition
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is an indexed field, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.51.2.2 ObjectPath Methods

None.

### 3.2.5.52 Microsoft.SharePoint.Client.FieldMultiLineText

**TypeId:** {9AE17ECC-11A6-4433-8B51-7ECB865FFE05}

**ShortName:** SP.FieldMultiLineText

Specifies a field (2) that can contain multiple lines of text.

### 3.2.5.52.1 Properties

#### 3.2.5.52.1.1 Scalar Properties

##### 3.2.5.52.1.1.1 AllowHyperlink

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether a **hyperlink** is allowed as a value of the field (2).

##### 3.2.5.52.1.1.2 AppendOnly

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether all changes to the value of the field (2) are displayed in list forms.

##### 3.2.5.52.1.1.3 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

##### 3.2.5.52.1.1.4 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

##### 3.2.5.52.1.1.5 Description

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.



### 3.2.5.52.1.1.6 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list (1) is an external list.

### 3.2.5.52.1.1.7 EnforceUniqueValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Returns whether the field enforces unique values

The value cannot be set to TRUE for the built-in fields or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list (1) is an external list.

### 3.2.5.52.1.1.8 FieldTypeKind

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.52.1.1.9 Filterable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, specified in section [3.2.5.37.1.1.7](#).

### 3.2.5.52.1.1.10 FromBaseType

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field (2) derives from a base field type.

### 3.2.5.52.1.1.11 Group

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.52.1.1.12 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Value is changed to <b>TRUE</b> on a field (2), which cannot be hidden.

### 3.2.5.52.1.1.13 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.37.1.1.11](#).

### 3.2.5.52.1.1.14 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.52.1.1.15 NumberOfLines

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the number of lines of text to display for the field (2).

Its value MUST be equal to or greater than 1. Its value MUST be equal to or less than 1000.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.52.1.1.16 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, specified in section [3.2.5.37.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.52.1.1.17 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Required**, specified in section [3.2.5.37.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

### 3.2.5.52.1.1.18 RestrictedMode

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the field (2) supports a subset of **rich text** formatting. It MUST be **FALSE** if **RichText** is **FALSE**.

### 3.2.5.52.1.1.19 RichText

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the field (2) supports rich text formatting.

### 3.2.5.52.1.1.20 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It MUST be **NULL**, empty, or an XML fragment that conforms to the **FieldDefinition** type as specified in [\[MS-WSSFO2\]](#) section 2.2.9.3.3.

#### Exceptions:

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value that is not <b>NULL</b> or empty value, and the list (1) is an external list.

### 3.2.5.52.1.1.21 Scope

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

### 3.2.5.52.1.1.22 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

### 3.2.5.52.1.1.23 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

### 3.2.5.52.1.1.24 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.37.1.1.19](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.52.1.1.25 Title

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.52.1.1.26 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.52.1.1.27 TypeDisplayName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeDisplayName**, specified in section [3.2.5.37.1.1.22](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.52.1.1.28 TypeShortDescription

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.52.1.1.29 ValidationFormula

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.52.1.1.30 ValidationMessage

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.52.1.1.31 WikiLinking

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether an implementation specific mechanism for linking wiki pages is supported. It MUST be **FALSE** if **RichText** is **FALSE**.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.52.1.2 ObjectPath Properties

None.

### 3.2.5.52.2 Methods

#### 3.2.5.52.2.1 Scalar Methods

##### 3.2.5.52.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Field (2) is a primary lookup field with dependent lookup field or <b>ReadOnlyField</b> is <b>TRUE</b> .
-2130575215	Microsoft.SharePoint.SPException	Field (2) is inherited from the base type of the list (1).
-2130575214	Microsoft.SharePoint.SPException	Field (2) is hidden.
-2130575213	Microsoft.SharePoint.SPException	<b>Sealed</b> is <b>TRUE</b> .
-2130575212	Microsoft.SharePoint.SPException	<b>ReadOnlyField</b> is <b>TRUE</b> .
-2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
-2147024809	System.ArgumentException	Field (2) does not exist.

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	<b>CanBeDeleted</b> is <b>FALSE</b> .
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.52.2.1.2 Update

**Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
-2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
-2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
-2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
-2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
-2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
-2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
-2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
-2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
-2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is



Error Code	Error Type Name	Condition
		<b>TRUE.</b>
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to Boolean and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.52.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a

Error Code	Error Type Name	Condition
		field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.52.2.2 ObjectPath Methods

None.

### 3.2.5.53 Microsoft.SharePoint.Client.FieldNumber

**TypeId:** {E32D2A19-D2A8-428C-B056-EA71EDE547CE}

**ShortName:** SP.FieldNumber

Specifies a field (2) that contains number values.

#### 3.2.5.53.1 Properties

##### 3.2.5.53.1.1 Scalar Properties

###### 3.2.5.53.1.1.1 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

###### 3.2.5.53.1.1.2 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

###### 3.2.5.53.1.1.3 Description

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

###### 3.2.5.53.1.1.4 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list (1) is an external list.

**3.2.5.53.1.1.5 EnforceUniqueValues****Type:** CSOM Boolean**Accessibility:** Read/Write

Returns whether the field enforces unique values

The value cannot be set to TRUE for the built-in fields or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list (1) is an external list.

**3.2.5.53.1.1.6 FieldTypeKind****Type:** Microsoft.SharePoint.Client.FieldType**Accessibility:** Read/WriteSee **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

**3.2.5.53.1.1.7 Filterable****Type:** CSOM Boolean**Accessibility:** Read OnlySee **Microsoft.SharePoint.Client.Field.Filterable**, specified in section [3.2.5.37.1.1.7](#).**3.2.5.53.1.1.8 FromBaseType****Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field derives from a base field type.

### 3.2.5.53.1.1.9 Group

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.53.1.1.10 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Value is changed to <b>TRUE</b> on a field (2), which cannot be hidden.

### 3.2.5.53.1.1.11 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.37.1.1.11](#).

### 3.2.5.53.1.1.12 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.53.1.1.13 MaximumValue

**Type:** CSOM Double

**Accessibility:** Read/Write

Specifies the maximum allowed value for the field (2).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146233086	System.ArgumentOutOfRangeException	Value is changed to a value less than <b>MinimumValue</b> .

### 3.2.5.53.1.1.14 MinimumValue

**Type:** CSOM Double

**Accessibility:** Read/Write

Specifies the minimum allowed value for the field (2).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146233086	System.ArgumentOutOfRangeException	Value is changed to a value greater than <b>MaximumValue</b> .

### 3.2.5.53.1.1.15 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, specified in section [3.2.5.37.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.53.1.1.16 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Required**, specified in section [3.2.5.37.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

### 3.2.5.53.1.1.17 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It MUST be **NULL**, empty, or an XML fragment that conforms to the **FieldDefinition** type as specified in [\[MS-WSSFO2\]](#) section 2.2.9.3.3.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value that is not NULL or empty value, and the list (1) is an external list.

### 3.2.5.53.1.1.18 Scope

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

### 3.2.5.53.1.1.19 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

### 3.2.5.53.1.1.20 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

### 3.2.5.53.1.1.21 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.37.1.1.19](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

**3.2.5.53.1.1.22 Title**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

**3.2.5.53.1.1.23 TypeAsString**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

**3.2.5.53.1.1.24 TypeDisplayName**

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeDisplayName**, specified in section [3.2.5.37.1.1.22](#).

It MUST NOT be NULL. It MUST NOT be empty.

**3.2.5.53.1.1.25 TypeShortDescription**

**Type:** CSOM String



**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.53.1.1.26 ValidationFormula

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.53.1.1.27 ValidationMessage

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.53.1.2 ObjectPath Properties

None.

## 3.2.5.53.2 Methods

### 3.2.5.53.2.1 Scalar Methods

#### 3.2.5.53.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Field (2) is a primary lookup field with dependent lookup field or <b>ReadOnlyField</b> is <b>TRUE</b> .
- 2130575215	Microsoft.SharePoint.SPException	Field (2) is inherited from the base type of the list (1).
- 2130575214	Microsoft.SharePoint.SPException	Field (2) is hidden.
- 2130575213	Microsoft.SharePoint.SPException	<b>Sealed</b> is <b>TRUE</b> .
- 2130575212	Microsoft.SharePoint.SPException	<b>ReadOnlyField</b> is <b>TRUE</b> .
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	Field (2) does not exist.
-1	System.InvalidOperationException	<b>CanBeDeleted</b> is <b>FALSE</b> .
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

**3.2.5.53.2.1.2 Update****Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.

Error Code	Error Type Name	Condition
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.53.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .

Error Code	Error Type Name	Condition
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to Boolean and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.53.2.2 ObjectPath Methods

None.

### 3.2.5.54 Microsoft.SharePoint.Client.FieldRatingScale

**TypeId:** {66D84FDD-BDB2-4E21-BED0-67F3EAB33DE4}

**ShortName:** SP.FieldRatingScale

Specifies a field (2) that contains rating scale values for a survey list.

#### 3.2.5.54.1 Properties

##### 3.2.5.54.1.1 Scalar Properties

###### 3.2.5.54.1.1.1 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

###### 3.2.5.54.1.1.2 Choices

**Type:** CSOM Array

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.FieldMultiChoice.Choices**, specified in section [3.2.5.51.1.1.2](#).

###### 3.2.5.54.1.1.3 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

**3.2.5.54.1.1.4 Description****Type:** CSOM String**Accessibility:** Read/WriteSee **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

**3.2.5.54.1.1.5 Direction****Type:** CSOM String**Accessibility:** Read/WriteSee **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list (1) is an external list.

**3.2.5.54.1.1.6 EnforceUniqueValues****Type:** CSOM Boolean**Accessibility:** Read/Write

Returns whether the field enforces unique values

The value cannot be set to TRUE for the built-in fields or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where

Error Code	Error Type Name	Condition
		the list (1) is an external list.

#### 3.2.5.54.1.1.7 FieldTypeKind

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

#### 3.2.5.54.1.1.8 FillInChoice

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.FieldMultiChoice.FillInChoice**, specified in section [3.2.5.51.1.1.8](#).

#### 3.2.5.54.1.1.9 Filterable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, specified in section [3.2.5.37.1.1.7](#).

#### 3.2.5.54.1.1.10 FromBaseType

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field derives from a base field type.

#### 3.2.5.54.1.1.11 GridEndNumber

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the end number for the rating scale.

### 3.2.5.54.1.1.12 GridNAOptionText

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the display text corresponding to the choice in the rating scale that indicates the non-applicable option.

### 3.2.5.54.1.1.13 GridStartNumber

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the start number for the rating scale.

### 3.2.5.54.1.1.14 GridTextRangeAverage

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the display text corresponding to the average of the rating scale.

### 3.2.5.54.1.1.15 GridTextRangeHigh

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the display text corresponding to the maximum of the rating scale.

### 3.2.5.54.1.1.16 GridTextRangeLow

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the display text corresponding to the minimum of the rating scale.

### 3.2.5.54.1.1.17 Group

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

#### Exceptions:

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.



Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.54.1.1.18 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Value is changed to <b>TRUE</b> on a field (2), which cannot be hidden.

### 3.2.5.54.1.1.19 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.37.1.1.11](#).

### 3.2.5.54.1.1.20 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.54.1.1.21 Mappings

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.FieldMultiChoice.Mappings**, specified in section [3.2.5.51.1.1.15](#).

MUST be **NULL** or an XML fragment that conforms to MAPPINGDEFINITION as specified in [\[MS-WSSFO2\]](#) section 2.2.9.3.13.

### 3.2.5.54.1.1.22 RangeCount

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the number of options in the rating scale.

### 3.2.5.54.1.1.23 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, specified in section [3.2.5.37.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.54.1.1.24 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Required**, specified in section [3.2.5.37.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

### 3.2.5.54.1.1.25 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It MUST be **NULL**, empty, or an XML fragment that conforms to the **FieldDefinition** type as specified in [\[MS-WSSFO2\]](#) section 2.2.9.3.3.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value that is not NULL or empty, and the list (1) is an external list.

### 3.2.5.54.1.1.26 Scope

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

### 3.2.5.54.1.1.27 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

### 3.2.5.54.1.1.28 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

### 3.2.5.54.1.1.29 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.37.1.1.19](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.54.1.1.30 Title

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.54.1.1.31 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

**3.2.5.54.1.1.32 TypeDisplayName**

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeDisplayName** (section [3.2.5.37.1.1.22](#)).

It MUST NOT be NULL. It MUST NOT be empty.

**3.2.5.54.1.1.33 TypeShortDescription**

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

**3.2.5.54.1.1.34 ValidationFormula**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

**3.2.5.54.1.1.35 ValidationMessage**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: Text, Number, Integer, Currency, Choice, or DateTime.

### 3.2.5.54.1.2 ObjectPath Properties

None.

### 3.2.5.54.2 Methods

#### 3.2.5.54.2.1 Scalar Methods

##### 3.2.5.54.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Field (2) is a primary lookup field with dependent lookup field or <b>ReadOnlyField</b> is <b>TRUE</b> .
- 2130575215	Microsoft.SharePoint.SPException	Field (2) is inherited from the base type of the list (1).
- 2130575214	Microsoft.SharePoint.SPException	Field (2) is hidden.
- 2130575213	Microsoft.SharePoint.SPException	<b>Sealed</b> is <b>TRUE</b> .
- 2130575212	Microsoft.SharePoint.SPException	<b>ReadOnlyField</b> is <b>TRUE</b> .
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	Field (2) does not exist.
-1	System.InvalidOperationException	<b>CanBeDeleted</b> is <b>FALSE</b> .
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.54.2.1.2 Update

**Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to Boolean and <b>EnforceUniqueValues</b> is not

Error Code	Error Type Name	Condition
		supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.54.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.

Error Code	Error Type Name	Condition
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.54.2.2 ObjectPath Methods

None.

### 3.2.5.55 Microsoft.SharePoint.Client.FieldRatingScaleQuestionAnswer

**TypeId:** {9B88FE8E-47CD-4DDC-9D66-0D12D70DDE28}

**ShortName:** SP.FieldRatingScaleQuestionAnswer

Represents a specific question and answer within a rating scale field of a list item.



### 3.2.5.55.1 Properties

#### 3.2.5.55.1.1 Scalar Properties

##### 3.2.5.55.1.1.1 Answer

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the answer for a sub question. MUST be **NULL** if no answer has been provided for the sub-question within the rating scale field for the list item this value is associated with.

##### 3.2.5.55.1.1.2 Question

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies a sub-question within a rating scale.

#### 3.2.5.55.1.2 ObjectPath Properties

None.

### 3.2.5.56 Microsoft.SharePoint.Client.FieldStringValues

**TypeId:** {542FA9DF-AC22-4FDB-8BA3-DAB6060C2DE4}

**ShortName:** SP.FieldStringValues

Specifies a collection that contains key value pairs. The FieldStringValues type contains **CSOM expando fields**. The value type for the CSOM expando fields MUST be CSOM String.

### 3.2.5.56.1 Properties

#### 3.2.5.56.1.1 Scalar Properties

None.

#### 3.2.5.56.1.2 ObjectPath Properties

None.

### 3.2.5.56.2 Methods

#### 3.2.5.56.2.1 Scalar Methods

None.

#### 3.2.5.56.2.2 ObjectPath Methods

None.

### 3.2.5.57 Microsoft.SharePoint.Client.FieldText

**TypeId:** {47CBA3A7-3327-4FA1-AC10-73A7A182FE05}

**ShortName:** SP.FieldText

Specifies a field (2) that contains a single line of text.

#### 3.2.5.57.1 Properties

##### 3.2.5.57.1.1 Scalar Properties

###### 3.2.5.57.1.1.1 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

###### 3.2.5.57.1.1.2 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

###### 3.2.5.57.1.1.3 Description

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

###### 3.2.5.57.1.1.4 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list (1) is an external list.

**3.2.5.57.1.1.5 EnforceUniqueValues****Type:** CSOM Boolean**Accessibility:** Read/Write

Returns whether the field enforces unique values

The value cannot be set to TRUE for the built-in fields or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list (1) is an external list.

**3.2.5.57.1.1.6 FieldTypeKind****Type:** Microsoft.SharePoint.Client.FieldType**Accessibility:** Read/WriteSee **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

**3.2.5.57.1.1.7 Filterable****Type:** CSOM Boolean**Accessibility:** Read OnlySee **Microsoft.SharePoint.Client.Field.Filterable**, specified in section [3.2.5.37.1.1.7](#).**3.2.5.57.1.1.8 FromBaseType****Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field derives from a base field type.

### 3.2.5.57.1.1.9 Group

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.57.1.1.10 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Value is changed to <b>TRUE</b> on a field (2), which cannot be hidden.

### 3.2.5.57.1.1.11 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.37.1.1.11](#).

### 3.2.5.57.1.1.12 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.57.1.1.13 MaxLength

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the maximum number of characters allowed in the value of the field (2).

Its value MUST be equal to or greater than 1. Its value MUST be equal to or less than 255.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.57.1.1.14 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, specified in section [3.2.5.37.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.57.1.1.15 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether or not the field requires values.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

### 3.2.5.57.1.1.16 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It MUST be **NULL**, empty, or an XML fragment that conforms to the **FieldDefinition** type as specified in [\[MS-WSSFO2\]](#) section 2.2.9.3.3.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value that is not a <b>NULL</b> or an empty value, and the list (1) is an external list.

**3.2.5.57.1.1.17 Scope**

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

**3.2.5.57.1.1.18 Sealed**

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

**3.2.5.57.1.1.19 Sortable**

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

**3.2.5.57.1.1.20 StaticName**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.37.1.1.19](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

**3.2.5.57.1.1.21 Title**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.57.1.1.22 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.57.1.1.23 TypeDisplayName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeDisplayName** (section [3.2.5.37.1.1.22](#)).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.57.1.1.24 TypeShortDescription

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.57.1.1.25 ValidationFormula

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

**3.2.5.57.1.1.26 ValidationMessage**

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

**3.2.5.57.1.2 ObjectPath Properties**

None.

**3.2.5.57.2 Methods****3.2.5.57.2.1 Scalar Methods****3.2.5.57.2.1.1 DeleteObject**

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Field (2) is a primary lookup field with dependent lookup field or <b>ReadOnlyField</b> is <b>TRUE</b> .
- 2130575215	Microsoft.SharePoint.SPException	Field (2) is inherited from the base type of the list (1).
- 2130575214	Microsoft.SharePoint.SPException	Field (2) is hidden.



Error Code	Error Type Name	Condition
- 2130575213	Microsoft.SharePoint.SPException	<b>Sealed</b> is <b>TRUE</b> .
- 2130575212	Microsoft.SharePoint.SPException	<b>ReadOnlyField</b> is <b>TRUE</b> .
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	Field (2) does not exist.
-1	System.InvalidOperationException	<b>CanBeDeleted</b> is <b>FALSE</b> .
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.57.2.1.2 Update

**Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a

Error Code	Error Type Name	Condition
		field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.57.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.

Error Code	Error Type Name	Condition
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
-	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the

Error Code	Error Type Name	Condition
2147024860		operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.57.2.2 ObjectPath Methods

None.

### 3.2.5.58 Microsoft.SharePoint.Client.FieldType

**ShortName:** SP.FieldType

**Flag:** false

Specifies the type of the field (2) as specified in [\[MS-WSSTS\]](#) section 2.3.1.

#### 3.2.5.58.1 Field Values

##### 3.2.5.58.1.1 Invalid

**Value:** 0

It MUST NOT be used.

##### 3.2.5.58.1.2 Integer

**Value:** 1

Specifies that the field (2) contains an integer value.

##### 3.2.5.58.1.3 Text

**Value:** 2

Specifies that the field (2) contains a single line of text.

##### 3.2.5.58.1.4 Note

**Value:** 3

Specifies that the field (2) contains multiple lines of text.

##### 3.2.5.58.1.5 DateTime

**Value:** 4

Specifies that the field (2) contains a date and time value or a date-only value.

##### 3.2.5.58.1.6 Counter

**Value:** 5

Specifies that the field (2) contains a monotonically increasing integer.

### **3.2.5.58.1.7 Choice**

**Value:** 6

Specifies that the field (2) contains a single value from a set of specified values.

### **3.2.5.58.1.8 Lookup**

**Value:** 7

Specifies that the field (2) is a lookup field.

### **3.2.5.58.1.9 Boolean**

**Value:** 8

Specifies that the field (2) contains a Boolean value.

### **3.2.5.58.1.10 Number**

**Value:** 9

Specifies that the field (2) contains a **floating-point number** value.

### **3.2.5.58.1.11 Currency**

**Value:** 10

Specifies that the field (2) contains a currency value.

### **3.2.5.58.1.12 URL**

**Value:** 11

Specifies that the field (2) contains a **URI** and an optional description of the URI.

### **3.2.5.58.1.13 Computed**

**Value:** 12

Specifies that the field (2) is a computed field.

### **3.2.5.58.1.14 Threading**

**Value:** 13

Specifies that the field (2) indicates the thread for a **discussion item** in a threaded view of a discussion board.

### **3.2.5.58.1.15 Guid**

**Value:** 14

Specifies that the field (2) contains a GUID value.

### **3.2.5.58.1.16 MultiChoice**

**Value:** 15

Specifies that the field (2) contains one or more values from a set of specified values.

### **3.2.5.58.1.17 GridChoice**

**Value:** 16

Specifies that the field (2) contains rating scale values for a survey list.

### **3.2.5.58.1.18 Calculated**

**Value:** 17

Specifies that the field (2) is a calculated field.

### **3.2.5.58.1.19 File**

**Value:** 18

Specifies that the field (2) contains the **leaf name** of a document as a value.

### **3.2.5.58.1.20 Attachments**

**Value:** 19

Specifies that the field (2) indicates whether the list item has **attachments**.

### **3.2.5.58.1.21 User**

**Value:** 20

Specifies that the field (2) contains one or more users and groups (2) as values.

### **3.2.5.58.1.22 Recurrence**

**Value:** 21

Specifies that the field (2) indicates whether a meeting in a calendar list (1) recurs.

### **3.2.5.58.1.23 CrossProjectLink**

**Value:** 22

Specifies that the field (2) contains a link between projects in a Meeting Workspace site.

### **3.2.5.58.1.24 ModStat**

**Value:** 23

Specifies that the field (2) indicates **moderation status**.

### 3.2.5.58.1.25 Error

**Value:** 24

Specifies that the type of the field (2) was set to an invalid value.

### 3.2.5.58.1.26 ContentTypeId

**Value:** 25

Specifies that the field (2) contains a content type identifier as a value.

### 3.2.5.58.1.27 PageSeparator

**Value:** 26

Specifies that the field (2) separates questions in a survey list onto multiple pages.

### 3.2.5.58.1.28 ThreadIndex

**Value:** 27

Specifies that the field (2) indicates the position of a discussion item in a threaded view of a discussion board.

### 3.2.5.58.1.29 WorkflowStatus

**Value:** 28

Specifies that the field (2) indicates the status of a **workflow instance** on a list item.

### 3.2.5.58.1.30 AllDayEvent

**Value:** 29

Specifies that the field (2) indicates whether a meeting in a calendar list (1) is an all-day event.

### 3.2.5.58.1.31 WorkflowEventType

**Value:** 30

Specifies that the field (2) contains the most recent **event (2)** in a workflow instance.

### 3.2.5.58.1.32 MaxItems

**Value:** 31

It MUST NOT be used.

## 3.2.5.59 Microsoft.SharePoint.Client.FieldUrl

**TypeId:** {B1AE9217-E0B0-4E34-9604-BD2462647EE9}

**ShortName:** SP.FieldUrl

Specifies a field (2) that contains a URI.

### 3.2.5.59.1 Properties

#### 3.2.5.59.1.1 Scalar Properties

##### 3.2.5.59.1.1.1 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

##### 3.2.5.59.1.1.2 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

##### 3.2.5.59.1.1.3 Description

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

##### 3.2.5.59.1.1.4 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.



Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list (1) is an external list.

### 3.2.5.59.1.1.5 DisplayFormat

**Type:** Microsoft.SharePoint.Client.UrlFieldFormatType

**Accessibility:** Read/Write

Specifies the display format for the value in the field (2).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.59.1.1.6 EnforceUniqueValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Returns whether the field enforces unique values

The value cannot be set to TRUE for the built-in fields or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list (1) is an external list.

### 3.2.5.59.1.1.7 FieldTypeKind

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.59.1.1.8 Filterable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, specified in section [3.2.5.37.1.1.7](#).

### 3.2.5.59.1.1.9 FromBaseType

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field derives from a base field type.

### 3.2.5.59.1.1.10 Group

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.59.1.1.11 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Value is changed to <b>TRUE</b> on a field (2) which cannot be hidden.

### 3.2.5.59.1.1.12 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.37.1.1.11](#).

### 3.2.5.59.1.1.13 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.59.1.1.14 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, specified in section [3.2.5.37.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.59.1.1.15 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Required**, specified in section [3.2.5.37.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

### 3.2.5.59.1.1.16 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It MUST be **NULL**, empty, or an XML fragment that conforms to the **FieldDefinition** type as specified in [\[MS-WSSFO2\]](#) section 2.2.9.3.3.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value that is not NULL or empty, and the list (1) is an external list.

### 3.2.5.59.1.1.17 Scope

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

### 3.2.5.59.1.1.18 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

### 3.2.5.59.1.1.19 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

### 3.2.5.59.1.1.20 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.37.1.1.19](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.59.1.1.21 Title

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.59.1.1.22 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.59.1.1.23 TypeDisplayName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeDisplayName**, specified in section [3.2.5.37.1.1.22](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.59.1.1.24 TypeShortDescription

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.59.1.1.25 ValidationFormula

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.59.1.1.26 ValidationMessage

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.59.1.2 ObjectPath Properties

None.

### 3.2.5.59.2 Methods

#### 3.2.5.59.2.1 Scalar Methods

##### 3.2.5.59.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Field (2) is a primary lookup field with dependent lookup field or <b>ReadOnlyField</b> is <b>TRUE</b> .
- 2130575215	Microsoft.SharePoint.SPException	Field (2) is inherited from the base type of the list (1).
- 2130575214	Microsoft.SharePoint.SPException	Field (2) is hidden.
- 2130575213	Microsoft.SharePoint.SPException	<b>Sealed</b> is <b>TRUE</b> .

Error Code	Error Type Name	Condition
- 2130575212	Microsoft.SharePoint.SPException	<b>ReadOnlyField</b> is <b>TRUE</b> .
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	Field (2) does not exist.
-1	System.InvalidOperationException	<b>CanBeDeleted</b> is <b>FALSE</b> .
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.59.2.1.2 Update

**Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.59.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
-	Microsoft.SharePoint.SPException	Changing the type of the field (2) is



Error Code	Error Type Name	Condition
2130575301		not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.

Error Code	Error Type Name	Condition
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.59.2.2 ObjectPath Methods

None.

### 3.2.5.60 Microsoft.SharePoint.Client.FieldUrlValue

**TypeId:** {FA8B44AF-7B43-43F2-904A-BD319497011E}

**ShortName:** SP.FieldUrlValue

Specifies the hyperlink and the description values for **FieldURL**.

#### 3.2.5.60.1 Properties

##### 3.2.5.60.1.1 Scalar Properties

###### 3.2.5.60.1.1.1 Description

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description for the URI.

Its length MUST be equal to or less than 255.

###### 3.2.5.60.1.1.2 Url

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the URI.

Its length MUST be equal to or less than 255. It MUST be one of the following: **NULL**, empty, an absolute URL, or a server-relative URL.

##### 3.2.5.60.1.2 ObjectPath Properties

None.

### 3.2.5.61 Microsoft.SharePoint.Client.FieldUser

**TypeId:** {EBD2FB89-E8A2-46C4-B317-9B2347121765}

**ShortName:** SP.FieldUser

Specifies a field (2) that contains a user.

### 3.2.5.61.1 Properties

#### 3.2.5.61.1.1 Scalar Properties

##### 3.2.5.61.1.1.1 AllowDisplay

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether to display the name of the user in a survey list.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

##### 3.2.5.61.1.1.2 AllowMultipleValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.FieldLookup.AllowMultipleValues**, specified in section [3.2.5.49.1.1.1](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

##### 3.2.5.61.1.1.3 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, specified in section [3.2.5.37.1.1.1](#).

##### 3.2.5.61.1.1.4 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, specified in section [3.2.5.37.1.1.2](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.61.1.1.5 Description

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Description**, specified in section [3.2.5.37.1.1.3](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.61.1.1.6 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Direction**, specified in section [3.2.5.37.1.1.4](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list (1) is an external list.

### 3.2.5.61.1.1.7 EnforceUniqueValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Returns whether the field enforces unique values

The value cannot be set to TRUE for the built-in fields or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list (1) is an external list.

### 3.2.5.61.1.1.8 FieldTypeKind

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.FieldTypeKind**, specified in section [3.2.5.37.1.1.6](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.61.1.1.9 Filterable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, specified in section [3.2.5.37.1.1.7](#).

### 3.2.5.61.1.1.10 FromBaseType

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether the field derives from a base field type.

### 3.2.5.61.1.1.11 Group

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, specified in section [3.2.5.37.1.1.9](#).

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.61.1.1.12 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Hidden**, specified in section [3.2.5.37.1.1.10](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Value is changed to <b>TRUE</b> on a field (2), which cannot be hidden.

### 3.2.5.61.1.1.13 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Id**, specified in section [3.2.5.37.1.1.11](#).

### 3.2.5.61.1.1.14 Indexed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.FieldLookup.Indexed**, specified in section [3.2.5.44.1.1.12](#).

### 3.2.5.61.1.1.15 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, specified in section [3.2.5.37.1.1.12](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.61.1.1.16 IsRelationship

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.FieldLookup.IsRelationship**, specified in section [3.2.5.49.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is read, and the list (1) is an external list.

### 3.2.5.61.1.1.17 LookupField

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.FieldLookup.LookupField**, specified in section [3.2.5.49.1.1.15](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is read, and the list (1) is an external list.

### 3.2.5.61.1.1.18 LookupList

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.FieldLookup.LookupList**, specified in section [3.2.5.49.1.1.16](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	When changing value after this property previously set or the protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is read, and the list (1) is an external list.

### 3.2.5.61.1.1.19 LookupWebId

**Type:** CSOM GUID

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.FieldLookup.LookupWebId**, specified in section [3.2.5.49.1.1.17](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is read, and the list (1) is an external list.

### 3.2.5.61.1.1.20 Presence

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether **presence** is enabled on the field (2).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.61.1.1.21 PrimaryFieldId

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.FieldLookup.PrimaryFieldId**, specified in section [3.2.5.49.1.1.18](#).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Not a valid GUID, the field (2) is a dependent lookup field, or the server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	When the list (1) that this field belongs to is an external list.

### 3.2.5.61.1.1.22 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, specified in section [3.2.5.37.1.1.13](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.61.1.1.23 RelationshipDeleteBehavior

**Type:** Microsoft.SharePoint.Client.RelationshipDeleteBehaviorType

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.FieldLookup.RelationshipDeleteBehavior**, specified in section [3.2.5.49.1.1.20](#).

It MUST NOT be **Cascade** or **Restrict** for a site column.

**Exceptions:**

Error Code	Error Type Name	Condition
-	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the



Error Code	Error Type Name	Condition
2146232832		field (2) to be changed.
-1	System.NotSupportedException	Value is read, and the list (1) is an external list.

### 3.2.5.61.1.1.24 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Required**, specified in section [3.2.5.37.1.1.14](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> , and the list (1) is an external list.

### 3.2.5.61.1.1.25 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, specified in section [3.2.5.37.1.1.15](#).

It MUST be **NULL**, empty, or an XML fragment that conforms to the **FieldDefinition** type as specified in [\[MS-WSSFO2\]](#) section 2.2.9.3.3.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed to a value that is not NULL or an empty value, and the list (1) is an external list.

### 3.2.5.61.1.1.26 Scope

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, specified in section [3.2.5.37.1.1.16](#).

### 3.2.5.61.1.1.27 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sealed**, specified in section [3.2.5.37.1.1.17](#).

### 3.2.5.61.1.1.28 SelectionGroup

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the identifier of the group (2) whose members can be selected as values of the field (2).

### 3.2.5.61.1.1.29 SelectionMode

**Type:** Microsoft.SharePoint.Client.FieldUserSelectionMode

**Accessibility:** Read/Write

Specifies whether users and groups (2) or only users can be selected.

### 3.2.5.61.1.1.30 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.Sortable**, specified in section [3.2.5.37.1.1.18](#).

### 3.2.5.61.1.1.31 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.StaticName**, specified in section [3.2.5.37.1.1.19](#).

#### Exceptions:

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.61.1.1.32 Title

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.Title**, specified in section [3.2.5.37.1.1.20](#).

#### Exceptions:

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.

### 3.2.5.61.1.1.33 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, specified in section [3.2.5.37.1.1.21](#).

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The protocol server does not allow properties of the field (2) to be changed.
-1	System.NotSupportedException	Value is changed, and the list (1) is an external list.

### 3.2.5.61.1.1.34 TypeDisplayName

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeDisplayName**, specified in section [3.2.5.37.1.1.22](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.61.1.1.35 TypeShortDescription

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Field.TypeShortDescription**, specified in section [3.2.5.37.1.1.23](#).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.2.5.61.1.1.36 ValidationFormula

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationFormula**, specified in section [3.2.5.37.1.1.24](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.61.1.1.37 ValidationMessage

**Type:** CSOM String

**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.ValidationMessage**, specified in section [3.2.5.37.1.1.25](#).

Its length MUST be equal to or less than 1024.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<b>FieldTypeKind</b> is not one of the following: <b>Text</b> , <b>Number</b> , <b>Integer</b> , <b>Currency</b> , <b>Choice</b> , or <b>DateTime</b> .

### 3.2.5.61.1.2 ObjectPath Properties

None.

### 3.2.5.61.2 Methods

#### 3.2.5.61.2.1 Scalar Methods

##### 3.2.5.61.2.1.1 DeleteObject

**Return Type:** None

Deletes the field (2) from the list (1), from the site (2), or from the content types within the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Field (2) is a primary lookup field with dependent lookup field or <b>ReadOnlyField</b> is <b>TRUE</b> .
- 2130575215	Microsoft.SharePoint.SPException	Field (2) is inherited from the base type of the list (1).
- 2130575214	Microsoft.SharePoint.SPException	Field (2) is hidden.
- 2130575213	Microsoft.SharePoint.SPException	<b>Sealed</b> is <b>TRUE</b> .
- 2130575212	Microsoft.SharePoint.SPException	<b>ReadOnlyField</b> is <b>TRUE</b> .
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	Field (2) does not exist.
-1	System.InvalidOperationException	<b>CanBeDeleted</b> is <b>FALSE</b> .
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.61.2.1.2 Update

**Return Type:** None

Commits changed properties of the field (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.

Error Code	Error Type Name	Condition
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.61.2.1.3 UpdateAndPushChanges

**Return Type:** None

Commits changed properties of the field (2) and propagates changes to all lists (1) that use the field (2).

**Parameters:**

*pushChangesToLists*: Specifies whether to propagate changes to all lists (1) that use the field (2).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575340	Microsoft.SharePoint.SPException	Field (2) does not exist.
- 2130575301	Microsoft.SharePoint.SPException	Changing the type of the field (2) is not supported.
- 2130575295	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> is not supported.

Error Code	Error Type Name	Condition
- 2130575272	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that is not supported.
- 2130575271	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a circular reference or a self-reference.
- 2130575270	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> contains a syntax error.
- 2130575160	Microsoft.SharePoint.SPException	Formula in <b>FieldCalculated.Formula</b> or Data validation criteria in <b>Field.ValidationFormula</b> refers to a field (2) that does not exist.
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field.
- 2130246239	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> on a field (2) that is not an indexed field.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and <b>EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130246237	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> is set to <b>TRUE</b> and an existing list item in the list (1) contains duplicate values in the field (2).
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and <b>EnforceUniqueValues</b> of the field (2) is <b>TRUE</b> .
- 2130246235	Microsoft.SharePoint.SPException	Type of the field (2) is set to <b>Boolean</b> and <b>EnforceUniqueValues</b> is not supported.
- 2130246222	Microsoft.SharePoint.SPException	<b>EnforceUniqueValues</b> of the lookup field which is indexed, is set to <b>FALSE</b> .
- 2130246218	Microsoft.SharePoint.SPException	Total number of fields (2) in the list (1) exceeds the limit.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.61.2.2 ObjectPath Methods

None.

### 3.2.5.62 Microsoft.SharePoint.Client.FieldUserSelectionMode

**ShortName:** SP.FieldUserSelectionMode

**Flag:** false

Specifies whether users and groups (2) or only users can be selected.

#### 3.2.5.62.1 Field Values

##### 3.2.5.62.1.1 PeopleOnly

**Value:** 0

Specifies that only users can be selected.

##### 3.2.5.62.1.2 PeopleAndGroups

**Value:** 1

Specifies that users and groups (2) can be selected.

### 3.2.5.63 Microsoft.SharePoint.Client.FieldUserValue

**TypeId:** {C956AB54-16BD-4C18-89D2-996F57282A6F}

**ShortName:** SP.FieldUserValue

Specifies the value of a lookup field to user data for a list item.

#### 3.2.5.63.1 Properties

##### 3.2.5.63.1.1 Scalar Properties

###### 3.2.5.63.1.1.1 LookupId

**Type:** CSOM Int32

**Accessibility:** Read/Write

Gets or sets the user identifier (ID) that the value of a lookup field for a list item is referring to.

###### 3.2.5.63.1.1.2 LookupValue

**Type:** CSOM String

**Accessibility:** Read Only

Gets a description of the user that the value of a lookup field for a list item is referring to.



### 3.2.5.63.1.2 ObjectPath Properties

None.

### 3.2.5.64 Microsoft.SharePoint.Client.File

**TypeId:** {DF28BE1E-74B5-4B21-B73A-2BBAC0A23D8A}

**ShortName:** SP.File

Represents a file in a site (2) that can be a Web Part Page, an item in a document library, or a file in a folder.

#### 3.2.5.64.1 Properties

##### 3.2.5.64.1.1 Scalar Properties

###### 3.2.5.64.1.1.1 CheckInComment

**Type:** CSOM String

**Accessibility:** Read Only

Returns the comment used when a document is checked into a document library.

Its length MUST be equal to or less than 1023.

###### 3.2.5.64.1.1.2 CheckOutType

**Type:** Microsoft.SharePoint.Client.CheckOutType

**Accessibility:** Read Only

Specifies the type of **check out** on the file.

###### 3.2.5.64.1.1.3 CustomizedPageStatus

**Type:** Microsoft.SharePoint.Client.CustomizedPageStatus

**Accessibility:** Read Only

Specifies the customization status of the file.

###### 3.2.5.64.1.1.4 ETag

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the **ETag** (see [RFC2616](#)) value.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	File cannot be found.

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.64.1.1.5 Exists

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the file exists.

#### 3.2.5.64.1.1.6 Level

**Type:** Microsoft.SharePoint.Client.FileLevel

**Accessibility:** Read Only

Specifies the **publishing level** of the file.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	File cannot be found.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.64.1.1.7 MajorVersion

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the major version of the file.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	Version information is missing, invalid, or could not be retrieved.
-2147024894	System.IO.FileNotFoundException	File cannot be found.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.64.1.1.8 MinorVersion

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the minor version of the file.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	Version information is missing, invalid, or could not be retrieved.
- 2147024894	System.IO.FileNotFoundException	File cannot be found.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

**3.2.5.64.1.1.9 Name**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the file name including the extension.

It MUST NOT be NULL. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	File cannot be found.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

**3.2.5.64.1.1.10 ServerRelativeUrl**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the server-relative URL of the file.

It MUST NOT be NULL. It MUST be a URL of server-relative form.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

**3.2.5.64.1.1.11 TimeCreated**

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies when the file was created.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	File cannot be found.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.1.1.12 TimeLastModified

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies when the file was last modified.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	File cannot be found.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.1.1.13 Title

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the display name of the file.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	File cannot be found.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.1.1.14 UIVersion

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the implementation-specific version identifier of the file.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	Version information is missing, invalid, or could not be retrieved.
-2147024894	System.IO.FileNotFoundException	File cannot be found.

Error Code	Error Type Name	Condition
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.1.1.15 UIVersionLabel

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the implementation-specific version identifier of the file.

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	Version information is missing, invalid, or could not be retrieved.
- 2147024894	System.IO.FileNotFoundException	File cannot be found.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.1.2 ObjectPath Properties

#### 3.2.5.64.1.2.1 Author

**Type:** Microsoft.SharePoint.Client.User

**Accessibility:** Read Only

Specifies the user who added the file.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	File cannot be found.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.64.1.2.2 CheckedOutByUser

**Type:** Microsoft.SharePoint.Client.User

**Accessibility:** Read Only

Returns the user who has checked out the file.

### 3.2.5.64.1.2.3 ListItemAllFields

**Type:** Microsoft.SharePoint.Client.ListItem

**Accessibility:** Read Only

Specifies the list item field values for the list item corresponding to the file.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Server-relative URL MUST belong to the list (1)
-2147024809	System.ArgumentException	The folder MUST exist for the requested path for the server-relative URL
-2147467261	System.ArgumentNullException	Server-relative URL MUST NOT be <b>NULL</b>

### 3.2.5.64.1.2.4 LockedByUser

**Type:** Microsoft.SharePoint.Client.User

**Accessibility:** Read Only

Returns the user that owns the current lock on the file.

MUST return null if there is no lock.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	File cannot be found.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.1.2.5 ModifiedBy

**Type:** Microsoft.SharePoint.Client.User

**Accessibility:** Read Only

Returns the user who last modified the file.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	File cannot be found.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.1.2.6 Versions

**Type:** Microsoft.SharePoint.Client.FileVersionCollection

**Accessibility:** Read Only

Returns a collection of file version objects that represent the versions of the file.

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.2 Methods

#### 3.2.5.64.2.1 Scalar Methods

##### 3.2.5.64.2.1.1 CheckIn

**Return Type:** None

Checks the file in to a document library based on the check-in type.

**Parameters:**

*comment*: Specifies a comment for the check-in.

Type: CSOM String

Its length MUST be equal to or less than 1023.

*checkInType*: Specifies the type of check-in.

Type: Microsoft.SharePoint.Client.CheckinType

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024738	Microsoft.SharePoint.SPFileCheckOutException	File is not checked out.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.64.2.1.2 CheckOut

**Return Type:** None

Checks out the file from a document library based on the check out type.

**Parameters:**

*checkOutType*: Specifies the type of checkout.

Type: Microsoft.SharePoint.Client.CheckOutType

*lastModifiedDate*: Specifies the date the file was last modified. If it is in a valid date format, as specified in [\[RFC1123\]](#), the protocol server MUST NOT check out the file unless it matches the last modified date. Otherwise, the protocol server MUST ignore this parameter.

Type: CSOM String

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147023436	Microsoft.SharePoint.SPFileCheckOutException	Check-out arguments are not valid.
- 2130575306	Microsoft.SharePoint.SPFileCheckOutException	File is already checked out.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.2.1.3 CopyTo

**Return Type:** None

Copies the file to the destination URL. The protocol server MUST overwrite an existing file of the same name if *bOverwrite* is true.

**Parameters:**

*strNewUrl*: Specifies the destination URL.

Type: CSOM String

It MUST NOT be NULL. It MUST be a URL of relative or absolute form.

*bOverWrite*: Specifies whether a file with the same name is overwritten.

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575169	Microsoft.SharePoint.SPDuplicateValuesFoundException	List item could not be updated because duplicate values were found for one or more field(s) (2) in the list (1)
- 2147024738	Microsoft.SharePoint.SPFileCheckOutException	File is not checked out
- 2130575306	Microsoft.SharePoint.SPFileCheckOutException	File is already checked out to a user other than the current user
- 2147024729	Microsoft.SharePoint.SPFileLockException	File is not <b>locked</b>



Error Code	Error Type Name	Condition
- 2147023436	Microsoft.SharePoint.SPFileLockException	Operation timed out
- 2147018894	Microsoft.SharePoint.SPFileLockException	A user other than the current user has a <b>shared lock</b> on the file
- 2147018887	Microsoft.SharePoint.SPFileLockException	A user other than the current user has an <b>exclusive lock</b> on the file
- 2130575159	Microsoft.SharePoint.SPInvalidLookupValuesException	List item could not be updated because invalid lookup values were found for one or more field (2) in the list (1)
- 2147024809	System.ArgumentException	The URL MUST refer to a location within the current site collection
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.64.2.1.4 DeleteObject

**Return Type:** None

Deletes the file.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575306	Microsoft.SharePoint.SPFileCheckOutException	File is checked out to a user other than the current user.
- 2147018894	Microsoft.SharePoint.SPFileLockException	Shared lock on the file.
- 2147018887	Microsoft.SharePoint.SPFileLockException	Exclusive lock on the file.
- 2147024894	System.IO.FileNotFoundException	File cannot be found.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.64.2.1.5 MoveTo

**Return Type:** None

Moves the file to the specified destination URL.

**Parameters:**

*newUrl*: Specifies the destination URL.

Type: CSOM String

It MUST NOT be NULL. It MUST be a URL of relative or absolute form.

*flags*: Specifies the kind of move operation.

Type: Microsoft.SharePoint.Client.MoveOperations

MUST NOT have flags other than **MoveOperations.Overwrite** or **MoveOperations.AllowBrokenThickets** set.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575169	Microsoft.SharePoint.SPDuplicateValuesFoundException	List item could not be updated; duplicate values were found for one or more field(s) in the list (1)
- 2147024738	Microsoft.SharePoint.SPFileCheckOutException	File is not checked out
- 2130575306	Microsoft.SharePoint.SPFileCheckOutException	File is already checked out to a user other than the current user
- 2147024729	Microsoft.SharePoint.SPFileLockException	File is not locked
- 2147023436	Microsoft.SharePoint.SPFileLockException	Operation timed out
- 2147018894	Microsoft.SharePoint.SPFileLockException	Shared lock on the file
- 2147018887	Microsoft.SharePoint.SPFileLockException	Exclusive lock on the file
- 2130575159	Microsoft.SharePoint.SPInvalidLookupValuesException	List item could not be updated; invalid lookup values were found for one or more field(s) in the list (1)
- 2147024809	System.ArgumentException	The URL MUST refer to a location within the current site collection
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.2.1.6 Publish

**Return Type:** None

Submits the file for content approval with the specified comment.

**Parameters:**

*comment*: Specifies the comment.

Type: CSOM String

Its length MUST be equal to or less than 1023.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575169	Microsoft.SharePoint.SPDuplicateValuesFoundException	The list item could not be updated because duplicate values were found for one or more field(s) in the list (1)
-1	Microsoft.SharePoint.SPException	The user can only publish or unpublish documents in a minor version enabled list. The user cannot perform this action on a checked out document. The user can only unpublish a major version or approved document. or cancel publishing for a pending document.
- 2147024738	Microsoft.SharePoint.SPFileCheckOutException	The file is not checked out
- 2130575306	Microsoft.SharePoint.SPFileCheckOutException	The file is already checked out
- 2147024729	Microsoft.SharePoint.SPFileLockException	The file is not locked
- 2147023436	Microsoft.SharePoint.SPFileLockException	The operation timed out
- 2147018894	Microsoft.SharePoint.SPFileLockException	There is a shared lock on the file
- 2147018887	Microsoft.SharePoint.SPFileLockException	There is an exclusive lock on the file
- 2130575159	Microsoft.SharePoint.SPInvalidLookupValuesException	The list item could not be updated because invalid lookup values were found for one or more fields in the list (1)
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.2.1.7 Recycle

**Return Type:** CSOM GUID

Moves the file to the Recycle Bin and returns the identifier of the new **Recycle Bin item**.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575306	Microsoft.SharePoint.SPFileCheckOutException	File is checked out to a user who is not the current user
- 2147018894	Microsoft.SharePoint.SPFileLockException	Shared lock on the file.
- 2147018887	Microsoft.SharePoint.SPFileLockException	Exclusive lock on the file.
- 2147024894	System.IO.FileNotFoundException	File cannot be found.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.2.1.8 SaveBinary

**Return Type:** None

Saves the specified file into a document library.

**Parameters:**

*parameters:* An object to facilitate updating the content of a file.

Type: Microsoft.SharePoint.Client.FileSaveBinaryInformation

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575169	Microsoft.SharePoint.SPDuplicateValuesFoundException	List item could not be updated because duplicate values were found for one or more field(s) in the list (1)
- 2147024738	Microsoft.SharePoint.SPFileCheckOutException	File is not checked out to the current user.
- 2130575306	Microsoft.SharePoint.SPFileCheckOutException	File is already checked out to a user other than the current user
- 2147023436	Microsoft.SharePoint.SPFileLockException	Operation timed out
- 2147018894	Microsoft.SharePoint.SPFileLockException	Shared lock is on the file
- 2147018887	Microsoft.SharePoint.SPFileLockException	Exclusive lock is on the file
- 2130575159	Microsoft.SharePoint.SPInvalidLookupValuesException	List item could not be updated because invalid lookup values were found for one or more field(s) in the list (1)

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	URL does not refer to a location within the current site collection
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.2.1.9 UndoCheckOut

**Return Type:** None

Reverts an existing checkout for the file.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024738	Microsoft.SharePoint.SPFileCheckOutException	File is not checked out to the current user.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.2.1.10 UnPublish

**Return Type:** None

Removes the file from content approval or unpublishes a major version.

**Parameters:**

*comment*: Specifies the comment for **UnPublish**.

Type: CSOM String

Its length MUST be equal to or less than 1023.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575169	Microsoft.SharePoint.SPDuplicateValuesFoundException	List item could not be updated; duplicate values were found for one or more field(s) in the list (1)
- 2147024738	Microsoft.SharePoint.SPFileCheckOutException	File is not checked out
- 2130575306	Microsoft.SharePoint.SPFileCheckOutException	File is already checked out a user that is not the current user.
-	Microsoft.SharePoint.SPFileLockException	File is not locked

Error Code	Error Type Name	Condition
2147024729		
- 2147023436	Microsoft.SharePoint.SPFileLockException	Operation timed out
- 2147018894	Microsoft.SharePoint.SPFileLockException	Shared lock on the file
- 2147018887	Microsoft.SharePoint.SPFileLockException	Exclusive lock on the file
- 2130575159	Microsoft.SharePoint.SPInvalidLookupValuesException	List item could not be updated because invalid lookup values were found for one or more fields in the list (1)
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.64.2.2 ObjectPath Methods

#### 3.2.5.64.2.2.1 GetLimitedWebPartManager

**Return Type:** Microsoft.SharePoint.Client.WebParts.LimitedWebPartManager

Specifies the controls used to access, modify, or add Web Parts associated with this Web Part Page and view. A reference to the requested SP.WebParts.LimitedWebPartManager is returned.

**Parameters:**

*scope*: Specifies the **personalization scope** value that depicts how Web Parts are viewed on the Web Part Page.

Type: Microsoft.SharePoint.Client.WebParts.PersonalizationScope

**Exceptions:**

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPException	URL MUST have an extension of ".aspx".
- 2147024809	System.ArgumentException	URL MUST be an absolute address
- 2147467261	System.ArgumentNullException	URL MUST NOT be <b>NULL</b>
- 2146233086	System.ArgumentOutOfRangeException	<b>PersonalizationScope</b> MUST be <i>User</i> or <i>Shared</i> .
- 2147024894	System.IO.FileNotFoundException	New initialized instance of Web Part manager MUST exist

### 3.2.5.65 Microsoft.SharePoint.Client.FileCollection

**TypeId:** {D367B17C-170B-4691-A1E3-8BCCF7686CE4}

**ShortName:** SP.FileCollection

A collection of file objects.

### 3.2.5.65.1 Properties

#### 3.2.5.65.1.1 Scalar Properties

None.

#### 3.2.5.65.1.2 ObjectPath Properties

None.

### 3.2.5.65.2 Methods

#### 3.2.5.65.2.1 Scalar Methods

None.

#### 3.2.5.65.2.2 ObjectPath Methods

##### 3.2.5.65.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.File

Adds a file to the collection based on provided file creation information. A reference to the SP.File that was added is returned.

**Parameters:**

*parameters:* File creation information

Type: Microsoft.SharePoint.Client.FileCreationInformation

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575169	Microsoft.SharePoint.SPDuplicateValuesFoundException	The list item could not be updated because duplicate values were found for one or more field(s) in the list (1)
- 2146232832	Microsoft.SharePoint.SPException	Virus checking indicates the file is infected with a virus or the file is too large.
- 2147024738	Microsoft.SharePoint.SPFileCheckOutException	The file in the collection is not checked out
- 2130575306	Microsoft.SharePoint.SPFileCheckOutException	The file in the collection is already checked out

Error Code	Error Type Name	Condition
- 2147024729	Microsoft.SharePoint.SPFileLockException	The file in the collection is not locked
- 2147023436	Microsoft.SharePoint.SPFileLockException	The file in the collection has bad lock argument
- 2147018894	Microsoft.SharePoint.SPFileLockException	There is a shared lock on the file in the collection
- 2147018887	Microsoft.SharePoint.SPFileLockException	There is an exclusive lock on the file in the collection
- 2130575159	Microsoft.SharePoint.SPInvalidLookupValuesException	The list item could not be updated because invalid lookup values were found for one or more fields (2) in the list (1)
- 2147024809	System.ArgumentException	URL of the file creation information MUST NOT be <b>NULL</b> and URL of the file creation information MUST NOT be invalid
- 2147467261	System.ArgumentNullException	Content of the file creation information MUST NOT be <b>NULL</b>
- 2146233086	System.ArgumentOutOfRangeException	There is a mismatch between the size of the <b>document stream</b> written and the size of the input document stream

### 3.2.5.65.2.2.2 AddTemplateFile

**Return Type:** Microsoft.SharePoint.Client.File

Adds a ghosted file to an existing list (1) or document library. A reference to the SP.File that was added is returned.

**Parameters:**

*urlOfFile:* The server-relative URL of the file.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty.

*templateFileType:* Specifies the template file type used for file creation.

Type: Microsoft.SharePoint.Client.TemplateFileType

The *templateFileType* MUST be of standard or Wiki site or Form type.

### 3.2.5.66 Microsoft.SharePoint.Client.FileCreationInformation

**TypeId:** {F5C8173C-CAE6-4469-A7AF-3879CA3C617C}

**ShortName:** SP.FileCreationInformation



Represents a file to be added via **FileCollection.Add** as defined in section [3.2.5.65.2.2.1](#).

### 3.2.5.66.1 Properties

#### 3.2.5.66.1.1 Scalar Properties

##### 3.2.5.66.1.1.1 Content

**Type:** CSOM Binary

**Accessibility:** Read/Write

Specifies the content of the file to be added.

It MUST NOT be NULL.

##### 3.2.5.66.1.1.2 Overwrite

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether to overwrite an existing file with the same name and in the same location as the one being added.

##### 3.2.5.66.1.1.3 Url

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the URL of the file to be added.

It MUST NOT be NULL. It MUST be a URL of relative or absolute form. Its length MUST be equal to or greater than 1.

#### 3.2.5.66.1.2 ObjectPath Properties

None.

### 3.2.5.67 Microsoft.SharePoint.Client.FileLevel

**ShortName:** SP.FileLevel

**Flag:** false

Specifies the publishing level for a file.

#### 3.2.5.67.1 Field Values

##### 3.2.5.67.1.1 Published

**Value:** 1

Specifies the file is a **published version**.

### 3.2.5.67.1.2 Draft

**Value:** 2

Specifies the file is a draft.

### 3.2.5.67.1.3 Checkout

**Value:** 255

Specifies the file is checked out to the current user.

## 3.2.5.68 Microsoft.SharePoint.Client.FileSaveBinaryInformation

**TypeId:** {C3DE0784-43E6-4F12-BD0C-F0D9A34EBF93}

**ShortName:** SP.FileSaveBinaryInformation

Contains information necessary for saving a file.

### 3.2.5.68.1 Properties

#### 3.2.5.68.1.1 Scalar Properties

##### 3.2.5.68.1.1.1 CheckRequiredFields

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether required fields in the list (1) will be validated when the file is saved.

If there are required fields that have no value set, the save operation will fail.

##### 3.2.5.68.1.1.2 Content

**Type:** CSOM Binary

**Accessibility:** Read/Write

Specifies the content of the file.

It MUST NOT be NULL. It MUST NOT be empty.

##### 3.2.5.68.1.1.3 ETag

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the **ETag** value, specified in see [\[RFC2616\]](#).

If the **ETag** value is specified as not **NULL**, and no matching **ETag** can be found on the server the save operation MUST fail.

### 3.2.5.68.1.2 ObjectPath Properties

None.

### 3.2.5.69 Microsoft.SharePoint.Client.FileSystemObjectType

**ShortName:** SP.FileSystemObjectType

**Flag:** false

Specifies the file system object type.

#### 3.2.5.69.1 Field Values

##### 3.2.5.69.1.1 Invalid

**Value:** -1

It MUST NOT be used.

##### 3.2.5.69.1.2 File

**Value:** 0

Specifies the object is a file.

##### 3.2.5.69.1.3 Folder

**Value:** 1

Specifies the object is a folder.

##### 3.2.5.69.1.4 Web

**Value:** 2

Specifies the object is a site (2).

### 3.2.5.70 Microsoft.SharePoint.Client.FileVersion

**TypeId:** {96E4BC1B-E67F-4967-9327-36B79E20AEBC}

**ShortName:** SP.FileVersion

Represents a version of a file object.

#### 3.2.5.70.1 Properties

##### 3.2.5.70.1.1 Scalar Properties

###### 3.2.5.70.1.1.1 CheckInComment

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the check-in comment.

It MUST NOT be NULL. Its length MUST be equal to or less than 1023.

#### **3.2.5.70.1.1.2 Created**

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies the creation date and time for the file version.

#### **3.2.5.70.1.1.3 ID**

**Type:** CSOM Int32

**Accessibility:** Read Only

Gets the internal identifier for the file version.

#### **3.2.5.70.1.1.4 IsCurrentVersion**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the file version is the **current version**.

#### **3.2.5.70.1.1.5 Url**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the relative URL of the file version based on the URL for the site (2) or subsite.

It MUST NOT be empty. It MUST be a URL of relative form.

#### **3.2.5.70.1.1.6 VersionLabel**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the implementation specific identifier of the file.

It MUST NOT be NULL.

### **3.2.5.70.1.2 ObjectPath Properties**

#### **3.2.5.70.1.2.1 CreatedBy**

**Type:** Microsoft.SharePoint.Client.User

**Accessibility:** Read Only

Specifies the user who created the file version.

## 3.2.5.70.2 Methods

### 3.2.5.70.2.1 Scalar Methods

None.

### 3.2.5.70.2.2 ObjectPath Methods

None.

## 3.2.5.71 Microsoft.SharePoint.Client.FileVersionCollection

**TypeId:** {3826E282-67A6-4861-88FB-474E8AAC897B}

**ShortName:** SP.FileVersionCollection

Represents a collection of **FileVersion** objects.

### 3.2.5.71.1 Properties

#### 3.2.5.71.1.1 Scalar Properties

None.

#### 3.2.5.71.1.2 ObjectPath Properties

None.

### 3.2.5.71.2 Methods

#### 3.2.5.71.2.1 Scalar Methods

##### 3.2.5.71.2.1.1 DeleteAll

**Return Type:** None

Deletes all the file version objects in the collection.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575312	Microsoft.SharePoint.SPException	Specified file URL is invalid.
- 2147024893	System.IO.DirectoryNotFoundException	File version obtained internally refers to a version that does not exist anymore.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.71.2.1.2 DeleteByID

**Return Type:** None

Deletes the specified version of the file.

**Parameters:**

*vid*: Specifies the file version identifier to delete.

Type: CSOM Int32

The *vid* MUST NOT be zero.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024710	Microsoft.SharePoint.SPException	Current version cannot be deleted.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	List view threshold has been exceeded.
- 2147024749	Microsoft.SharePoint.SPQueryThrottledException	Lack of resources available to process the request.
- 2147024894	System.IO.FileNotFoundException	File with specified version identifier cannot be found.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.71.2.1.3 DeleteByLabel

**Return Type:** None

Deletes the file version object with the specified version label.

**Parameters:**

*versionlabel*: Specifies the version label.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. Version label MUST be the return value from VersionLabel property of a Microsoft.Sharepoint.Client.FileVersion object.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024710	Microsoft.SharePoint.SPException	Current version cannot be deleted.
- 214702486	Microsoft.SharePoint.SPQueryThrottledException	Attempted operation is prohibited because it exceeds the list view threshold enforced

Error Code	Error Type Name	Condition
0		by the administrator.
- 2147024749	Microsoft.SharePoint.SPQueryThrottledException	Insufficient system resources are available to process the request.
- 2147024809	System.ArgumentException	Version label does not match the return value from <b>VersionLabel</b> property of a <b>Microsoft.Sharepoint.Client.FileVersion</b> object.
- 2147024894	System.IO.FileNotFoundException	Specified version label is invalid.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.71.2.1.4 RestoreByLabel

**Return Type:** None

Creates a new file version from the file specified by the version label.

**Parameters:**

*versionlabel*: Specifies the version label.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. Version label MUST be the return value from VersionLabel property of a **Microsoft.Sharepoint.Client.FileVersion** object.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575306	Microsoft.SharePoint.SPException	File is checked out by a user other than the current user.
- 2130246262	Microsoft.SharePoint.SPException	Operation is not valid for the current state of the object. Operation is prohibited; the published version is greater than the attempted restore version.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	List view threshold was exceeded.
- 2147024749	Microsoft.SharePoint.SPQueryThrottledException	Not enough system resources available to process this command.
- 214702480	System.ArgumentException	<b>VersionLabel</b> property of the <b>Microsoft.Sharepoint.Client.FileVersion</b>

Error Code	Error Type Name	Condition
9		n object is invalid.
-2147024893	System.IO.DirectoryNotFoundException	Specified version label is invalid.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.71.2.2 ObjectPath Methods

None.

### 3.2.5.72 Microsoft.SharePoint.Client.Folder

**TypeId:** {DBE8175A-505D-4EFF-BEC4-6C809709808B}

**ShortName:** SP.Folder

Represents a list folder on a site (2).

The ContentTypeOrder and UniqueContentTypeOrder properties are not included in the **default scalar property set** for this type.

### 3.2.5.72.1 Properties

#### 3.2.5.72.1.1 Scalar Properties

##### 3.2.5.72.1.1.1 ContentTypeOrder

**Type:** CSOM Array

**Accessibility:** Read Only

Specifies the **content type order** for the list folder.

It MUST be an array of content type identifiers.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	System.InvalidOperationException	The list folder is not contained within a list (1).
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.72.1.1.2 ItemCount

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the count of items in the list folder.



**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

**3.2.5.72.1.1.3 Name**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the list folder name.

It MUST NOT be NULL. Its length MUST be equal to or less than 256.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

**3.2.5.72.1.1.4 ServerRelativeUrl**

**Type:** CSOM String

**Accessibility:** Read Only

Returns the server-relative URL of the list folder.

It MUST NOT be NULL. It MUST be a URL of server-relative form.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

**3.2.5.72.1.1.5 UniqueContentTypeOrder**

**Type:** CSOM Array

**Accessibility:** Read/Write

Specifies the content type order for the list folder.

It MUST be an array of content type identifiers.

It MUST return the same value as the ContentTypeOrder.

**Exceptions:**

Error Code	Error Type Name	Condition
-	System.ArgumentOutOfRangeException	The set of content types specifying the content type order for the list folder MUST NOT be

Error Code	Error Type Name	Condition
2146233086		empty.
-1	System.InvalidOperationException	Operation is not valid, because of the current state of the object.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions to read this value.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions to modify this value.

### 3.2.5.72.1.1.6 WelcomePage

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the server-relative URL for the list folder **Welcome page**.

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	URL MUST be relative to the list folder and cannot contain two consecutive periods.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions to read this value.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions to modify this value.

### 3.2.5.72.1.2 ObjectPath Properties

#### 3.2.5.72.1.2.1 Files

**Type:** Microsoft.SharePoint.Client.FileCollection

**Accessibility:** Read Only

Returns the collection of files contained in the list folder.

It MUST NOT be NULL.

#### 3.2.5.72.1.2.2 Folders

**Type:** Microsoft.SharePoint.Client.FolderCollection

**Accessibility:** Read Only

Returns the collection of list folders contained within the list folder.

It MUST NOT be NULL.

### 3.2.5.72.1.2.3 ParentFolder

**Type:** Microsoft.SharePoint.Client.Folder

**Accessibility:** Read Only

Returns the list folder.

### 3.2.5.72.2 Methods

#### 3.2.5.72.2.1 Scalar Methods

##### 3.2.5.72.2.1.1 DeleteObject

**Return Type:** None

Deletes the list folder.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.72.2.1.2 Recycle

**Return Type:** CSOM GUID

Moves the list folder to the Recycle Bin and returns the identifier of the new Recycle Bin item.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.72.2.1.3 Update

**Return Type:** None

Updates the list folder with changes that have been made to the list folder properties.

**Parameters:** None

#### 3.2.5.72.2.2 ObjectPath Methods

None.

### 3.2.5.73 Microsoft.SharePoint.Client.FolderCollection

**TypeId:** {B6B425AA-9E17-4205-A4AA-B82C2C3F884D}

**ShortName:** SP.FolderCollection

Represents a collection of list folder objects.

### 3.2.5.73.1 Properties

#### 3.2.5.73.1.1 Scalar Properties

None.

#### 3.2.5.73.1.2 ObjectPath Properties

None.

### 3.2.5.73.2 Methods

#### 3.2.5.73.2.1 Scalar Methods

None.

#### 3.2.5.73.2.2 ObjectPath Methods

##### 3.2.5.73.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.Folder

Adds the list folder to the collection of list folders and returns the added list folder.

**Parameters:**

*strUrl*: Specifies the URL of the list folder.

Type: CSOM String

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	Specified URL is not valid in this context.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.74 Microsoft.SharePoint.Client.Form

**TypeId:** {50AACA3C-FA54-47D2-B946-A2839EE956A9}

**ShortName:** SP.Form

Specified in [\[MS-WSSTS\]](#) section 2.1.2.15.4.

### 3.2.5.74.1 Properties

#### 3.2.5.74.1.1 Scalar Properties

##### 3.2.5.74.1.1.1 FormType

**Type:** Microsoft.SharePoint.Client.PageType

**Accessibility:** Read Only

Specifies the **page type** of the list form.

##### 3.2.5.74.1.1.2 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the identifier of the list form.

It MUST NOT be an empty GUID.

##### 3.2.5.74.1.1.3 ServerRelativeUrl

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the server-relative URL of the list form.

It MUST NOT be empty. It MUST be a URL of server-relative form.

#### 3.2.5.74.1.2 ObjectPath Properties

None.

### 3.2.5.74.2 Methods

#### 3.2.5.74.2.1 Scalar Methods

None.

#### 3.2.5.74.2.2 ObjectPath Methods

None.

### 3.2.5.75 Microsoft.SharePoint.Client.FormCollection

**TypeId:** {078611EA-CE4D-45C0-9B7A-D4B1B46CC327}

**ShortName:** SP.FormCollection

Specifies a collection of list forms for a list (1).

### 3.2.5.75.1 Properties

#### 3.2.5.75.1.1 Scalar Properties

None.

#### 3.2.5.75.1.2 ObjectPath Properties

None.

### 3.2.5.75.2 Methods

#### 3.2.5.75.2.1 Scalar Methods

None.

#### 3.2.5.75.2.2 ObjectPath Methods

##### 3.2.5.75.2.2.1 GetByPageType

**Return Type:** Microsoft.SharePoint.Client.Form

Returns the list form with the specified page type. If there is more than one list form with the specified page type, the protocol server MUST return one list form. If there is no list form with the specified page type, the server MUST return **NULL**.

**Parameters:**

*formType*: Specifies the page type of the list form to return.

Type: Microsoft.SharePoint.Client.PageType

### 3.2.5.76 Microsoft.SharePoint.Client.Group

**TypeId:** {E54AD5F1-CE4E-453B-B7F7-AEA6556C9C40}

**ShortName:** SP.Group

Represents a collection of users.

The CanCurrentUserEditMembership, CanCurrentUserManageGroup and CanCurrentUserViewMembership properties are not included in the default scalar property set for this type.

### 3.2.5.76.1 Properties

#### 3.2.5.76.1.1 Scalar Properties

##### 3.2.5.76.1.1.1 AllowMembersEditMembership

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether a member of the group (2) can add and remove members from the group (2).

### 3.2.5.76.1.1.2 AllowRequestToJoinLeave

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether to allow users to request to join or leave in the group (2).

### 3.2.5.76.1.1.3 AutoAcceptRequestToJoinLeave

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether requests to join or leave the group (2) are automatically accepted.

### 3.2.5.76.1.1.4 CanCurrentUserEditMembership

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the current user can add and remove members from the group (2).

### 3.2.5.76.1.1.5 CanCurrentUserManageGroup

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the current user can change settings on the group (2).

### 3.2.5.76.1.1.6 CanCurrentUserViewMembership

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the current user can view the **membership** of the group (2).

### 3.2.5.76.1.1.7 Description

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description for the group (2).

### 3.2.5.76.1.1.8 Id

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the identifier for the group (2).

Its value MUST be equal to or greater than 1. Its value MUST be equal to or less than 2147483647.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	Member data is <b>NULL</b> .

**3.2.5.76.1.1.9 LoginName**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the name of the group (2). This is the same value as returned by the **Title** property.

Its length **MUST** be equal to or less than 251.

**3.2.5.76.1.1.10 OnlyAllowMembersViewMembership**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether viewing the membership of the group (2) is restricted to members (1) of the group (2).

**3.2.5.76.1.1.11 OwnerTitle**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the name of the **owner** of the group (2).

**3.2.5.76.1.1.12 PrincipalType**

**Type:** Microsoft.SharePoint.Client.Utilities.PrincipalType

**Accessibility:** Read Only

Specifies the type of **principal (1)** represented by this object.

**3.2.5.76.1.1.13 RequestToJoinLeaveEmailSetting**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the **e-mail address** to which requests to join or leave the group (2) are sent.

**3.2.5.76.1.1.14 Title**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of a group (2).



It MUST NOT be NULL. Its length MUST be equal to or less than 255.

### 3.2.5.76.1.2 ObjectPath Properties

#### 3.2.5.76.1.2.1 Owner

**Type:** Microsoft.SharePoint.Client.Principal

**Accessibility:** Read/Write

Specifies the owner of the group (2).

#### 3.2.5.76.1.2.2 Users

**Type:** Microsoft.SharePoint.Client.UserCollection

**Accessibility:** Read Only

Specifies the collection of members (1) for this group (2).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPException	Cannot initialize group (2) data.

### 3.2.5.76.2 Methods

#### 3.2.5.76.2.1 Scalar Methods

##### 3.2.5.76.2.1.1 Update

**Return Type:** None

Updates group (2) properties after changes have been made.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPDistributionGroupException	Distribution group (2) member (1) resynchronization or properties update fails.
-2147024841	Microsoft.SharePoint.SPException	<b>User information list</b> for the site collection is not found or is not valid.
-2130575293	Microsoft.SharePoint.SPException	Group (2) already exists.
-2130575281	Microsoft.SharePoint.SPException	Group (2) name is not valid.

Error Code	Error Type Name	Condition
- 2130575169	Microsoft.SharePoint.SPException	Duplicate values exist for group (2) in user information list.
- 2147024809	System.ArgumentException	Invalid argument for group (2) property.
- 2147024891	System.UnauthorizedAccessException	The current user does not have permission to perform the action.

### 3.2.5.76.2.2 ObjectPath Methods

None.

### 3.2.5.77 Microsoft.SharePoint.Client.GroupCollection

**TypeId:** {0B9F0E6C-2C15-425E-B0B2-961F78BF1ECF}

**ShortName:** SP.GroupCollection

Represents a collection of group (2) objects.

#### 3.2.5.77.1 Properties

##### 3.2.5.77.1.1 Scalar Properties

None.

##### 3.2.5.77.1.2 ObjectPath Properties

None.

#### 3.2.5.77.2 Methods

##### 3.2.5.77.2.1 Scalar Methods

###### 3.2.5.77.2.1.1 Remove

**Return Type:** None

Removes the specified group (2) from the collection.

**Parameters:**

*group*: Specifies the group (2) to be removed.

Type: Microsoft.SharePoint.Client.Group

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPDistributionGroupException	Occurs when deletion of <b>DistributionGroup</b> fails, approval is denied by the Directory Management service, duplicate e-mail exists in the Directory Management service, invalid argument provided for the Directory Management service, Directory Management service is not configured, access is denied in Directory Management service, object not found in Directory Management service, or Directory Management service reports error that is not recognized.
- 2146232832	Microsoft.SharePoint.SPException	User cannot be found, cannot modify the <b>UserCollection</b> , or inherited Web cannot be deleted
- 2147024809	System.ArgumentException	Specified farm administrators group cannot be deleted, or the user cannot be deleted because the farm administrators group cannot be empty.
-1	System.InvalidOperationException	Cannot remove users with unique role assignment permissions
-1	System.Security.SecurityException	Access denied when updating farm administrators group (2)
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.77.2.2 ObjectPath Methods

#### 3.2.5.77.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.Group

Adds a group to the collection. A reference to the SP.Group that was added is returned.

**Parameters:**

*parameters:* Specifies an object to facilitate creation of a group (2).

Type: Microsoft.SharePoint.Client.GroupCreationInformation

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Group (2) collection is read-only.

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Group (2) owner is a role.
- 2146232832	Microsoft.SharePoint.SPException	Group (2) owner is a domain group (2).
- 2146232832	Microsoft.SharePoint.SPException	Group collection type is not site-level group collection.
- 2146232832	Microsoft.SharePoint.SPException	Group (2) description exceeds the maximum length.
- 2130575293	Microsoft.SharePoint.SPException	Group (2) owner is <b>NULL</b> .
- 2130575281	Microsoft.SharePoint.SPException	Group (2) name is empty or exceeds maximum length.
- 2130575274	Microsoft.SharePoint.SPException	Default user is a non- <b>NULL</b> domain Group (2).
- 2130575260	Microsoft.SharePoint.SPException	Group (2) quota has exceeded.
- 2130575169	Microsoft.SharePoint.SPException	A group (2) with the same name has been added.
- 2147024809	System.ArgumentException	Group (2) owner is <b>NULL</b> .
- 2147467261	System.ArgumentNullException	Group (2) to be added is <b>NULL</b> .
- 2147024891	System.UnauthorizedAccessException	Group (2) description exceeds the maximum length.

### 3.2.5.77.2.2.2 GetById

**Return Type:** Microsoft.SharePoint.Client.Group

Returns a group (2) from the collection based on the identifier of the group (2).

**Parameters:**

*id*: Specifies the member identifier.

Type: CSOM Int32

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575246	Microsoft.SharePoint.SPException	Group (2) cannot be found.
- 2147024809	System.ArgumentException	Unknown or incorrect group (2) collection type to be initialized.

Error Code	Error Type Name	Condition
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.78 Microsoft.SharePoint.Client.GroupCreationInformation

**TypeId:** {9FD1540E-59E6-47FA-9A00-5173C9C35785}

**ShortName:** SP.GroupCreationInformation

An object used to facilitate creation of a group (2).

#### 3.2.5.78.1 Properties

##### 3.2.5.78.1.1 Scalar Properties

###### 3.2.5.78.1.1.1 Description

**Type:** CSOM String

**Accessibility:** Read/Write

The description of the group (2) to be created.

Its length MUST be equal to or less than 512.

###### 3.2.5.78.1.1.2 Title

**Type:** CSOM String

**Accessibility:** Read/Write

The name of the group (2) to be created.

It MUST NOT be NULL. Its length MUST be equal to or less than 255. It MUST NOT be empty.

It MUST conform to the following ABNF:

Title = 1\*1 (DIGIT/ALPHA/"-" "/" "\_" "/" "." "/" "~" "/" "&" "/" "%" "/" "!" "/" "(" "/" ")" "/" "{" "/" "}" )\*(DIGIT/ALPHA/SP/"-" "/" "\_" "/" "." "/" "~" "/" "&" "/" "%" "/" "!" "/" "(" "/" ")" "/" "{" "/" "}" )

###### 3.2.5.78.1.2 ObjectPath Properties

None.

### 3.2.5.79 Microsoft.SharePoint.Client.List

**TypeId:** {D89F0B18-614E-4B4A-BAC0-FD6142B55448}

**ShortName:** SP.List

Specifies a list (1) on a site (2).

The `BrowserFileHandling`, `DataSource`, `EffectiveBasePermissions`, `HasUniqueRoleAssignments`, `IsSiteAssetsLibrary`, `OnQuickLaunch`, `SchemaXml`, `ValidationFormula` and `ValidationMessage` properties are not included in the default scalar property set for this type.

### 3.2.5.79.1 Properties

#### 3.2.5.79.1.1 Scalar Properties

##### 3.2.5.79.1.1.1 AllowContentTypes

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the list (1) supports content types.

##### 3.2.5.79.1.1.2 BaseTemplate

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the **list server template** of the list (1).

Its value MUST be equal to or greater than 0. Its value MUST be equal to or less than 2147483647.

##### 3.2.5.79.1.1.3 BaseType

**Type:** Microsoft.SharePoint.Client.BaseType

**Accessibility:** Read Only

Specifies the base type of the list (1).

It MUST be one of the following values: **GenericList**, **DocumentLibrary**, **DiscussionBoard**, **Survey**, or **Issue**.

##### 3.2.5.79.1.1.4 BrowserFileHandling

**Type:** Microsoft.SharePoint.Client.BrowserFileHandling

**Accessibility:** Read Only

Specifies the override of the **Web application's BrowserFileHandling** property at the list level. If the Web application's **BrowserHandling** property is **BrowserFileHandling.Strict**, then this setting MUST be ignored.

##### 3.2.5.79.1.1.5 ContentTypesEnabled

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether content types are enabled for the list (1).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	System.InvalidOperationException	Value is set to <b>TRUE</b> , and the list (1) does not allow content types.

### 3.2.5.79.1.1.6 Created

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies when the list (1) was created.

### 3.2.5.79.1.1.7 DataSource

**Type:** Microsoft.SharePoint.Client.ListDataSource

**Accessibility:** Read Only

Specifies the data source of an external list. If **HasExternalDataSource** is **FALSE**, the server MUST return **NULL**.

### 3.2.5.79.1.1.8 DefaultContentApprovalWorkflowId

**Type:** CSOM GUID

**Accessibility:** Read/Write

Specifies the default **workflow identifier** for content approval on the list (1). It MUST be an **empty GUID** if there is no default content approval **workflow**.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Value is changed, and <b>EnableMinorVersions</b> is set to <b>FALSE</b> , <b>EnableModeration</b> is set to <b>FALSE</b> , or the specified value is not a workflow identifier that is associated with the list (1).

### 3.2.5.79.1.1.9 DefaultDisplayFormUrl

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the location of the default display form for the list (1).

It MUST NOT be NULL. It MUST NOT be empty. The client MUST set a server-relative URL and the server MUST return a **site-relative URL**.

**Exceptions:**

Error Code	Error Type Name	Condition
-	Microsoft.SharePoint.SPException	Value is changed, and <b>Client.PageType</b> of the

Error Code	Error Type Name	Condition
2146232832		specified page is not <b>DisplayForm</b> or the list (1) does not support changes to the default display form.
- 2147024809	System.ArgumentException	Value is changed, and the specified display form does not exist.

### 3.2.5.79.1.1.10 DefaultEditFormUrl

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the URL of the edit form to use for list items in the list (1).

It MUST NOT be NULL. It MUST NOT be empty. The client MUST set a server-relative URL and the server MUST return a site-relative URL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The property is set on a user information list.
- 2147024809	System.ArgumentException	The specified URL is not a valid site (2) URL, it does not have files, or the file present cannot render the list item.

### 3.2.5.79.1.1.11 DefaultNewFormUrl

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the location of the default new form for the list (1).

It MUST NOT be NULL. It MUST NOT be empty. The client MUST set a server-relative URL and the server MUST return a site-relative URL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The property is set on a user information list.
- 2147024809	System.ArgumentException	The specified URL is not a valid site (2) URL, it does not have files, or the file present cannot render the list item.

### 3.2.5.79.1.1.12 DefaultViewUrl

**Type:** CSOM String

**Accessibility:** Read Only



Specifies the server-relative URL of the **default view** for the list (1).

It MUST NOT be NULL. It MUST NOT be empty. It MUST be a URL of server-relative form.

#### 3.2.5.79.1.1.13 Description

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description of the list (1).

It MUST NOT be NULL.

#### 3.2.5.79.1.1.14 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the reading order of the list (1).

It MUST conform to the following ABNF: Direction = "NONE" | "LTR" | "RTL".

#### 3.2.5.79.1.1.15 DocumentTemplateUrl

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the server-relative URL of the document template for the list (1). It MUST be NULL if **BaseType** is not **DocumentLibrary**.

It MUST NOT be empty. It MUST be a URL of server-relative form.

#### 3.2.5.79.1.1.16 DraftVersionVisibility

**Type:** Microsoft.SharePoint.Client.DraftVisibilityType

**Accessibility:** Read/Write

Specifies the minimum permission required to view minor versions and drafts within the list (1).

#### 3.2.5.79.1.1.17 EffectiveBasePermissions

**Type:** Microsoft.SharePoint.Client.BasePermissions

**Accessibility:** Read Only

Specifies the effective permissions on the list (1) that are assigned to the current user.

It MUST NOT be NULL.

#### 3.2.5.79.1.1.18 EnableAttachments

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether **list item attachments** are enabled for the list (1).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Value is set to <b>TRUE</b> and the list (1) does not support list item attachments.

### 3.2.5.79.1.1.19 EnableFolderCreation

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether new list folders can be added to the list (1).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Value is set to <b>TRUE</b> and the list (1) does not support list folders.

### 3.2.5.79.1.1.20 EnableMinorVersions

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether minor versions are enabled for the list (1).

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Value is set to <b>TRUE</b> and the list (1) does not support minor versions.

### 3.2.5.79.1.1.21 EnableModeration

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether content approval is enabled for the list (1).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> and the list (1) is an external list.

### 3.2.5.79.1.1.22 EnableVersioning

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether **historical versions** of list items and documents can be created in the list (1).

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	Value is set to <b>TRUE</b> and the list (1) does not support historical versions.
-1	System.NotSupportedException	Value is set to TRUE and the list (1) is an external list.

### 3.2.5.79.1.1.23 ForceCheckout

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether check out is required when adding or editing documents in the list (1).

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Value is set to <b>TRUE</b> and the list (1) does not support required check out.
-1	System.NotSupportedException	Value is set to <b>TRUE</b> and the list (1) is an external list.

### 3.2.5.79.1.1.24 HasExternalDataSource

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the list (1) is an external list.

### 3.2.5.79.1.1.25 HasUniqueRoleAssignments

**Type:** CSOM Boolean

**Accessibility:** Read Only

See Microsoft.SharePoint.Client.SecurableObject.HasUniqueRoleAssignments (section [3.2.5.118.1.1.1](#)).

### 3.2.5.79.1.1.26 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the list (1) is a hidden list. If the value is set to **TRUE**, the server MUST set the **OnQuickLaunch** property of the list (1) to **FALSE**.

#### **3.2.5.79.1.1.27 Id**

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the list identifier.

It MUST NOT be an empty GUID.

#### **3.2.5.79.1.1.28 ImageUrl**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the URI for the icon of the list (1).

It MUST NOT be NULL. Its length MUST be equal to or less than 255. It MUST be a server-relative URL or an absolute URL.

#### **3.2.5.79.1.1.29 IsApplicationList**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies a flag that a client application can use to determine whether to display the list (1).

#### **3.2.5.79.1.1.30 IsCatalog**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the list (1) is a **gallery**.

#### **3.2.5.79.1.1.31 IsSiteAssetsLibrary**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the list (1) is designated as a default asset location for images or other files which the users upload to their wiki pages.

#### **3.2.5.79.1.1.32 ItemCount**

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the number of list items in the list (1).

It MUST be greater than or equal to zero.

#### 3.2.5.79.1.1.33 LastItemDeletedDate

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies the last time a list item was deleted from the list (1). It MUST return **Created** if no list item has been deleted from the list (1) yet.

#### 3.2.5.79.1.1.34 LastItemModifiedDate

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies the last time a list item, field, or property of the list (1) was modified. It MUST return **Created** if the list (1) has not been modified.

#### 3.2.5.79.1.1.35 MultipleDataList

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the list in a Meeting Workspace site contains data for multiple meeting instances within the site. It MUST be **FALSE** for a list that is not in a Meeting Workspace site.

#### 3.2.5.79.1.1.36 NoCrawl

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies that the **crawler** MUST NOT **crawl** the list (1).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to <b>TRUE</b> and the list (1) is an external list.

#### 3.2.5.79.1.1.37 OnQuickLaunch

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the list (1) appears on the **Quick Launch** of the site (2). If the value is set to **TRUE**, the protocol server MUST set the **Hidden** property of the list (1) to **FALSE**.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.79.1.1.38 ParentWebUrl

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the server-relative URL of the site (2) that contains the list (1).

It MUST be a URL of server-relative form.

### 3.2.5.79.1.1.39 SchemaXml

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the **list schema** of the list (1).

It MUST NOT be NULL. It MUST NOT be empty. It MUST be an XML document that conforms to the **ListDefinition** type, as specified in [\[MS-WSSCAML\]](#) section 2.3.2.6.

### 3.2.5.79.1.1.40 ServerTemplateCanCreateFolders

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the **list template** the list (1) is based on allows the creation of folders.

### 3.2.5.79.1.1.41 TemplateFeatureId

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the feature identifier of the feature that contains the list schema for the list (1). It MUST be an empty GUID if the list schema for the list (1) is not contained within a feature.

### 3.2.5.79.1.1.42 Title

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the display name of the list (1).

It MUST NOT be NULL. Its length MUST be equal to or less than 255.

### 3.2.5.79.1.1.43 ValidationFormula

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the data validation criteria for a list item.

It MUST NOT be NULL. Its length MUST be equal to or less than 1023.

### 3.2.5.79.1.1.44 ValidationMessage

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the error message returned when data validation fails for a list item.

It MUST NOT be NULL. Its length MUST be equal to or less than 1024.

### 3.2.5.79.1.2 ObjectPath Properties

#### 3.2.5.79.1.2.1 ContentTypes

**Type:** Microsoft.SharePoint.Client.ContentTypeCollection

**Accessibility:** Read Only

Specifies the collection of content types for the list (1).

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.79.1.2.2 Fields

**Type:** Microsoft.SharePoint.Client.FieldCollection

**Accessibility:** Read Only

Specifies the collection of all fields (2) in the list (1).

It MUST NOT be NULL.

#### 3.2.5.79.1.2.3 Forms

**Type:** Microsoft.SharePoint.Client.FormCollection

**Accessibility:** Read Only

Specifies the collection of all list forms in the list (1).

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.79.1.2.4 ParentWeb

**Type:** Microsoft.SharePoint.Client.Web

**Accessibility:** Read Only

Specifies the site (2) that contains the list (1).

#### 3.2.5.79.1.2.5 RoleAssignments

**Type:** Microsoft.SharePoint.Client.RoleAssignmentCollection

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.SecurableObject.RoleAssignments**, specified in section [3.2.5.118.1.2.1](#).

#### 3.2.5.79.1.2.6 RootFolder

**Type:** Microsoft.SharePoint.Client.Folder

**Accessibility:** Read Only

Specifies the **root folder** for the list (1).

It MUST NOT be NULL.

#### 3.2.5.79.1.2.7 UserCustomActions

**Type:** Microsoft.SharePoint.Client.UserCustomActionCollection

**Accessibility:** Read Only

Specifies the collection of all **user custom actions** for the list (1).

It MUST NOT be NULL.

#### 3.2.5.79.1.2.8 Views

**Type:** Microsoft.SharePoint.Client.ViewCollection

**Accessibility:** Read Only

Specifies the collection of all public views on the list (1) and personal views of the current user on the list (1).

It MUST NOT be NULL.

**Exceptions:**



Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.79.1.2.9 WorkflowAssociations

**Type:** Microsoft.SharePoint.Client.Workflow.WorkflowAssociationCollection

**Accessibility:** Read Only

Specifies the collection of all workflow associations for the list (1).

It MUST NOT be NULL.

### 3.2.5.79.2 Methods

#### 3.2.5.79.2.1 Scalar Methods

##### 3.2.5.79.2.1.1 BreakRoleInheritance

**Return Type:** None

Updates the list (1) to stop inheriting role assignments from the site (2) that contains the list (1).

**Parameters:**

*copyRoleAssignments:* Specifies whether to perform a one-time copy of the role assignments from the site (2) that contains the list (1) to the list (1). If FALSE the list (1) MUST be given one role assignment containing the current user.

Type: CSOM Boolean

*clearSubscopes:* If the **securable object** is a site (2), and the *clearSubScopes* parameter is **TRUE**, the role assignments for all child securable objects in the current site (2) and in the sites (2) which inherit role assignments from the current site (2) MUST be cleared and those securable objects will inherit role assignments from the current site (2) after this call. If the securable object is a site (2), and the *clearSubScopes* parameter is **FALSE**, the role assignments for all child securable objects that do not inherit role assignments from their parent object MUST remain unchanged. If the securable object is not a site (2), and the *clearSubScopes* parameter is **TRUE**, the role assignments for all child securable objects MUST be cleared and those securable objects will inherit role assignments from the current securable object after this call. If the securable object is not a site (2), and the *clearSubScopes* parameter is **FALSE**, the role assignments for all child securable objects that do not inherit role assignments from their parent object MUST remain unchanged.

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.79.2.1.2 DeleteObject

**Return Type:** None

Deletes the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024893	Microsoft.SharePoint.SPException	List (1) does not exist.
- 2147024846	Microsoft.SharePoint.SPException	Recycle Bin is disabled.
- 2147016498	Microsoft.SharePoint.SPException	List (1) cannot be deleted.
- 2130575299	Microsoft.SharePoint.SPException	List (1) cannot be deleted.
- 2130575157	Microsoft.SharePoint.SPException	List (1) cannot be deleted because one or more related lists (1) have a <b>relationship behavior constraint</b> that prevents the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.79.2.1.3 Recycle

**Return Type:** CSOM GUID

Moves the list (1) to the Recycle Bin and returns the identifier of the new Recycle Bin item.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024893	Microsoft.SharePoint.SPException	List (1) does not exist.
- 2147024846	Microsoft.SharePoint.SPException	Recycle Bin is disabled.
- 2147016498	Microsoft.SharePoint.SPException	List (1) cannot be deleted.
- 2130575299	Microsoft.SharePoint.SPException	List (1) cannot be deleted.
- 2130575157	Microsoft.SharePoint.SPException	List (1) cannot be deleted because one or more related lists (1) have a relationship behavior constraint that prevents the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.79.2.1.4 ResetRoleInheritance

**Return Type:** None

Updates the list (1) to inherit role assignments from the site (2) that contains the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Previous changes to the list (1) have not been committed.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.79.2.1.5 Update

**Return Type:** None

Commits changed properties of the list (1).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024893	Microsoft.SharePoint.SPException	List (1) does not exist.
- 2130575342	Microsoft.SharePoint.SPException	Another list (1) with the title already exists in the site (2).
- 2130575305	Microsoft.SharePoint.SPException	List (1) was modified on the server so changes cannot be committed.
- 2130575296	Microsoft.SharePoint.SPException	The data validation criteria contains a reference to a field (2).
- 2130575295	Microsoft.SharePoint.SPException	The data validation criteria refers to functions or semi-calculated formulas.
- 2130575273	Microsoft.SharePoint.SPException	The data validation criteria refers to a column that does not exist.
- 2130575272	Microsoft.SharePoint.SPException	The data validation criteria refers to a column with a data type that is not supported in formulas.
- 2130575271	Microsoft.SharePoint.SPException	The data validation criteria contains a circular reference.
- 2130575270	Microsoft.SharePoint.SPException	The data validation criteria contains a syntax error or is not supported.
-	Microsoft.SharePoint.SPException	Folder for attachments cannot be

Error Code	Error Type Name	Condition
2130575262		created.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.79.2.2 ObjectPath Methods

#### 3.2.5.79.2.2.1 AddItem

**Return Type:** Microsoft.SharePoint.Client.ListItem

Creates a new list item in the list (1) and return a reference to the added SP.ListItem.

**Parameters:**

*parameters:* Specifies the properties of the new list item.

Type: Microsoft.SharePoint.Client.ListItemCreationInformation

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575312	Microsoft.SharePoint.SPException	Folder for the new list item does not exist or the current user lacks permissions to the folder.
- 2130575245	Microsoft.SharePoint.SPException	The <b>ListItemCreationInformation LeafName</b> contains an invalid character.
- 2146233086	System.ArgumentOutOfRangeException	<b>ListItemCreationInformation UnderlyingObjectType</b> is not valid.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.79.2.2.2 GetChanges

**Return Type:** Microsoft.SharePoint.Client.ChangeCollection

Returns the collection of changes from the change log that have occurred within the list (1), based on the specified query.

**Parameters:**

*query:* Specifies the query.

Type: Microsoft.SharePoint.Client.ChangeQuery

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575173	Microsoft.SharePoint.SPException	Change token is not valid for this list (1).
- 2130575172	Microsoft.SharePoint.SPException	No changes are returned from the change log.
- 2130575172	Microsoft.SharePoint.SPInvalidChangeTokenException	Change token is not valid.

### 3.2.5.79.2.2.3 GetItemById

**Return Type:** Microsoft.SharePoint.Client.ListItem

Returns the list item with the specified list item identifier.

**Parameters:**

*id*: Specifies the list item identifier.

Type: CSOM Int32

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	List item does not exist.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.79.2.2.4 GetItemById

**Return Type:** Microsoft.SharePoint.Client.ListItem

Returns the list item with either the specified list item identifier or the specified identifier for an instance of an **external content type**.

**Parameters:**

*sId*: Specifies the list item identifier, or if the list is an external list, specifies the identifier for an instance of an external content type as specified in [\[MS-ECTPWPS\]](#) section 3.1.4.1.2.1.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575338	Microsoft.SharePoint.SPException	List item does not exist, and the list (1) is an external list.
- 2147024809	System.ArgumentException	List item does not exist.

Error Code	Error Type Name	Condition
-1	System.FormatException	<b>sId</b> is not a list item identifier, and the list (1) is not an external list.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.79.2.2.5 GetItems

**Return Type:** Microsoft.SharePoint.Client.ListItemCollection

Returns a collection of list items from the list (1) based on the specified query.

**Parameters:**

*query*: Specifies a query.

Type: Microsoft.SharePoint.Client.CamlQuery

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-2130575340	Microsoft.SharePoint.SPException	Field specified in the query is not present in the list (1).
-2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
-2147024749	Microsoft.SharePoint.SPQueryThrottledException	Lack of resources available to process the request.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.79.2.2.6 GetRelatedFields

**Return Type:** Microsoft.SharePoint.Client.RelatedFieldCollection

Returns a collection of lookup fields that use this list (1) as a data source and that have **FieldLookup.IsRelationship** set to **TRUE**.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.79.2.2.7 GetView

**Return Type:** Microsoft.SharePoint.Client.View

Returns the list view with the specified **view identifier**. If an empty GUID is specified it MUST return the default view of the list (1).

**Parameters:**

*viewGuid*: Specifies the view identifier.

Type: CSOM GUID

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	List view does not exist.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.80 Microsoft.SharePoint.Client.ListCollection

**TypeId:** {1E78B736-61F0-441C-A785-10FC25387C8D}

**ShortName:** SP.ListCollection

Specifies a collection of lists (1).

#### 3.2.5.80.1 Properties

##### 3.2.5.80.1.1 Scalar Properties

None.

##### 3.2.5.80.1.2 ObjectPath Properties

None.

#### 3.2.5.80.2 Methods

##### 3.2.5.80.2.1 Scalar Methods

None.

##### 3.2.5.80.2.2 ObjectPath Methods

###### 3.2.5.80.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.List

Creates a new list (1) and adds it to the collection.

**Parameters:**

*parameters*: Specifies the properties of the new list (1).

Type: Microsoft.SharePoint.Client.ListCreationInformation

It MUST NOT be NULL.

## Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	<b>Entity</b> specified in <b>ListCreationInformation.DataSourceProperties</b> or the specified <b>SpecificFinder</b> does not exist on the server.
-2146232832	Microsoft.SharePoint.SPException	Entity specified in <b>ListCreationInformation.DataSourceProperties</b> does not have a <b>View</b> with the specified SpecificFinder.
-2130575342	Microsoft.SharePoint.SPException	Another list (1) with the title already exists in the site (2).
-2130575237	Microsoft.SharePoint.SPException	List server template is not valid.
-2130246262	Microsoft.SharePoint.SPException	Feature does not exist.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.80.2.2.2 EnsureSiteAssetsLibrary

**Return Type:** Microsoft.SharePoint.Client.List

Returns a list (1) that is designated as a default asset location for images or other files which the users upload to their wiki pages.

**Parameters:** None

### 3.2.5.80.2.2.3 EnsureSitePagesLibrary

**Return Type:** Microsoft.SharePoint.Client.List

Returns a list (1) that is designated as a default location for wiki pages.

**Parameters:** None

### 3.2.5.80.2.2.4 GetById

**Return Type:** Microsoft.SharePoint.Client.List

Returns the list (1) with the specified list identifier.

**Parameters:**

*uniqueId*: Specifies the list identifier.



Type: CSOM GUID

**Exceptions:**

Error Code	Error Type Name	Condition
-2130246262	Microsoft.SharePoint.SPException	List (1) does not exist.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.80.2.2.5 GetByTitle

**Return Type:** Microsoft.SharePoint.Client.List

Returns the list (1) with the specified display name.

**Parameters:**

*strListName*: Specifies the display name.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 255.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	List (1) does not exist.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.81 Microsoft.SharePoint.Client.ListCreationInformation

**TypeId:** {E247B7FC-095E-4EA4-A4C9-C5D373723D8C}

**ShortName:** SP.ListCreationInformation

Specifies the properties of the new list (1).

#### 3.2.5.81.1 Properties

##### 3.2.5.81.1.1 Scalar Properties

##### 3.2.5.81.1.1.1 CustomSchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the list schema of the new list (1).

It MUST be an XML fragment that conforms to List Schema as specified in [\[MS-WSSCAML\]](#) section 2.3.

### 3.2.5.81.1.1.2 DataSourceProperties

**Type:** CSOM dictionary

**Accessibility:** Read/Write

Specifies the properties of the data source of the new list (1). If the value is not **NULL**, **QuickLaunchOption** MUST be set to Off.

If it is not **NULL**, it MUST contain the following keys: "LobSystemInstance", "EntityNamespace", "Entity", and "SpecificFinder".

### 3.2.5.81.1.1.3 Description

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description of the new list (1).

### 3.2.5.81.1.1.4 DocumentTemplateType

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the identifier of the document template for the new list (1).

### 3.2.5.81.1.1.5 QuickLaunchOption

**Type:** Microsoft.SharePoint.Client.QuickLaunchOptions

**Accessibility:** Read/Write

Specifies whether the new list (1) is displayed on the Quick Launch of the site (2).

### 3.2.5.81.1.1.6 TemplateFeatureId

**Type:** CSOM GUID

**Accessibility:** Read/Write

Specifies the feature identifier of the feature that contains the list schema for the new list (1). It MUST be empty GUID if the list schema for the new list (1) is not contained within a feature.

### 3.2.5.81.1.1.7 TemplateType

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the list server template of the new list (1).

### 3.2.5.81.1.1.8 Title

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the display name of the new list (1).

It MUST NOT be NULL. Its length MUST be equal to or less than 255.

### **3.2.5.81.1.1.9 Url**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the site-relative URL of the location for the new list (1).

It MUST be a site-relative URL.

### **3.2.5.81.1.2 ObjectPath Properties**

None.

### **3.2.5.82 Microsoft.SharePoint.Client.ListDataSource**

**TypeId:** {06BFE4A5-1516-4B55-A6D7-ECBE3FF7A3C8}

**ShortName:** SP.ListDataSource

Specifies the data source of an external list.

### **3.2.5.82.1 Properties**

#### **3.2.5.82.1.1 Scalar Properties**

##### **3.2.5.82.1.1.1 Properties**

**Type:** CSOM dictionary

**Accessibility:** Read Only

Specifies the properties of the data source of an external list.

It MUST NOT be NULL. It MUST contain the following keys: "LobSystemInstance", "EntityNamespace", "Entity", and "SpecificFinder".

##### **3.2.5.82.1.2 ObjectPath Properties**

None.

### **3.2.5.83 Microsoft.SharePoint.Client.ListDataValidationExceptionValue**

**TypeId:** {356FE248-721A-4ADF-AF96-20822BC5476E}

**ShortName:** SP.ListDataValidationExceptionValue

Specifies failure information for a failed field (2) or list item data validation.

### 3.2.5.83.1 Properties

#### 3.2.5.83.1.1 Scalar Properties

##### 3.2.5.83.1.1.1 FieldFailures

**Type:** CSOM Array

**Accessibility:** Read Only

Specifies the collection of all failures that occurred during field (2) data validation.

It MUST be an array of ListDataValidationFailure.

##### 3.2.5.83.1.1.2 ItemFailure

**Type:** Microsoft.SharePoint.Client.ListDataValidationFailure

**Accessibility:** Read Only

Specifies a failure that occurred during list item data validation.

#### 3.2.5.83.1.2 ObjectPath Properties

None.

### 3.2.5.84 Microsoft.SharePoint.Client.ListDataValidationFailure

**TypeId:** {6E0BC783-53A2-4506-827F-135040524794}

**ShortName:** SP.ListDataValidationFailure

Specifies details for a single field (2) or list item data validation failure.

#### 3.2.5.84.1 Properties

##### 3.2.5.84.1.1 Scalar Properties

##### 3.2.5.84.1.1.1 DisplayName

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the display name of the **parent list** for a list item data validation failure, or the display name of the field (2) for a field (2) data validation failure.

##### 3.2.5.84.1.1.2 Message

**Type:** CSOM String

**Accessibility:** Read Only

Specifies a description of the data validation failure.

### 3.2.5.84.1.1.3 Name

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the list identifier of the parent list for a list item data validation failure, or the field internal name for a field (2) data validation failure.

### 3.2.5.84.1.1.4 Reason

**Type:** Microsoft.SharePoint.Client.ListDataValidationFailureReason

**Accessibility:** Read Only

Specifies the reason for the data validation failure.

### 3.2.5.84.1.1.5 ValidationType

**Type:** Microsoft.SharePoint.Client.ListDataValidationType

**Accessibility:** Read Only

Specifies the type of unmet data validation criteria for the data validation failure.

### 3.2.5.84.1.2 ObjectPath Properties

None.

## 3.2.5.85 Microsoft.SharePoint.Client.ListDataValidationFailureReason

**ShortName:** SP.ListDataValidationFailureReason

**Flag:** false

Specifies the reason for a data validation failure.

### 3.2.5.85.1 Field Values

#### 3.2.5.85.1.1 DataFailure

**Value:** 0

Specifies that the value failed to meet the data validation criteria.

#### 3.2.5.85.1.2 FormulaError

**Value:** 1

Specifies that an error occurred while evaluating a formula.

## 3.2.5.86 Microsoft.SharePoint.Client.ListDataValidationType

**ShortName:** SP.ListDataValidationType

**Flag:** false

Specifies the type of unmet data validation criteria in a data validation failure.

### **3.2.5.86.1 Field Values**

#### **3.2.5.86.1.1 UserFormulaField**

**Value:** 0

Specifies that the value failed to meet a user-defined data validation criteria for the field (2).

#### **3.2.5.86.1.2 UserFormulaItem**

**Value:** 1

Specifies that the value failed to meet a user-defined data validation criteria for the list item.

#### **3.2.5.86.1.3 RequiredField**

**Value:** 2

Specifies that no value was provided for a required field (2).

#### **3.2.5.86.1.4 ChoiceField**

**Value:** 3

Specifies that the value was not found in the set of allowed values for the field (2).

#### **3.2.5.86.1.5 MinMaxField**

**Value:** 4

Specifies that the value is less than the MinimumValue or greater than the MaximumValue allowed for the field (2).

#### **3.2.5.86.1.6 TextField**

**Value:** 5

Specifies that the value exceeded the MaxLength allowed for the field (2).

### **3.2.5.87 Microsoft.SharePoint.Client.ListItem**

**TypeId:** {53CC48C0-1777-47B7-99CA-729390F06602}

**ShortName:** SP.ListItem

Specifies a list item.

Contains CSOM expando fields, which correspond to the fields (2) defined in the parent list. The CSOM expando field name is the name of the field defined in the list (1) and the CSOM expando field value is the field value in the list item. The field types are specified in [\[MS-WSSCAML\]](#) and the following table specifies the mapping between field types and values.

Field type	Mapping to a value
Field Type	CSOM expando field value type
Integer	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Int32.
Text	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM String.
Note	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM String.
DateTime	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM DateTime.
Counter	It MUST be CSOM Int32.
Choice	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM String.
Lookup	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be <b>CSOM Object</b> of type FieldLookupValue specified in section <a href="#">3.2.5.50</a> .
Boolean	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Boolean.
Number	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Double.
Currency	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Double.
URL	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Object of type FieldUrlValue specified in section <a href="#">3.2.5.60</a> .
Computed	N/A
Threading	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM String.
Guid	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM GUID.
MultiChoice	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Array.
GridChoice	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Array.
Calculated	N/A
File	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM String.
Attachments	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Boolean.
User	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Object of type FieldUserValue specified in section <a href="#">3.2.5.63</a> .
Recurrence	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Boolean.
CrossProjectLink	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Boolean.
ModStat	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Int32.
Error	N/A
ContentTypeId	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Object of type ContentTypeId specified in section <a href="#">3.2.5.30</a> .
PageSeparator	N/A

Field type	Mapping to a value
ThreadIndex	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM String.
WorkflowStatus	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Int32.
AllDayEvent	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Boolean.
WorkflowEventType	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Int32.
Facilities	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Array.
FreeBusy	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM String.
Overbook	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM String.
Confidential	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Boolean.
WhatsNew	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Boolean.
DueDate	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM DateTime.
AllowEditing	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Boolean.
SendTo	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Array.
Confirmations	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM String.
CallTo	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM Array.
CallTime	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM DateTime.
Whereabout	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM String.
From	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM DateTime.
Until	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM DateTime.
ContactInfo	When its value is undefined it MUST be <b>NULL</b> , otherwise it MUST be CSOM String.

The DisplayName, EffectiveBasePermissions and HasUniqueRoleAssignments properties are not included in the default scalar property set for this type.

### 3.2.5.87.1 Properties

#### 3.2.5.87.1.1 Scalar Properties

##### 3.2.5.87.1.1.1 DisplayName

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the display name of the list item.



It MUST NOT be NULL. It MUST NOT be empty.

#### **3.2.5.87.1.1.2 EffectiveBasePermissions**

**Type:** Microsoft.SharePoint.Client.BasePermissions

**Accessibility:** Read Only

Specifies the permissions on the list item that are assigned to the current user.

It MUST NOT be NULL.

#### **3.2.5.87.1.1.3 FileSystemObjectType**

**Type:** Microsoft.SharePoint.Client.FileSystemObjectType

**Accessibility:** Read Only

Specifies whether the list item is a file or a list folder.

It MUST be one of the following values: File or Folder.

#### **3.2.5.87.1.1.4 HasUniqueRoleAssignments**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the role assignments are uniquely defined for the list item. If the value is **FALSE**, role assignments are inherited from the parent list.

#### **3.2.5.87.1.1.5 Id**

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the list item identifier. It MUST be 0 for a list item in an external list. It MUST be -1 for list items that have not yet been added to a list (1).

### **3.2.5.87.1.2 ObjectPath Properties**

#### **3.2.5.87.1.2.1 ContentType**

**Type:** Microsoft.SharePoint.Client.ContentType

**Accessibility:** Read Only

Specifies the content type of the list item. It MUST be **NULL** if the list item has no content type.

#### **3.2.5.87.1.2.2 FieldValuesAsHtml**

**Type:** Microsoft.SharePoint.Client.FieldStringValues

**Accessibility:** Read Only

Specifies the values for the list item as HTML.

It MUST NOT be NULL.

#### **3.2.5.87.1.2.3 FieldValuesAsText**

**Type:** Microsoft.SharePoint.Client.FieldStringValues

**Accessibility:** Read Only

Specifies the values for the list item as text.

It MUST NOT be NULL.

#### **3.2.5.87.1.2.4 FieldValuesForEdit**

**Type:** Microsoft.SharePoint.Client.FieldStringValues

**Accessibility:** Read Only

Specifies the formatted values to be displayed in an edit form.

It MUST NOT be NULL.

#### **3.2.5.87.1.2.5 File**

**Type:** Microsoft.SharePoint.Client.File

**Accessibility:** Read Only

Specifies the file associated with the list item. It MUST be **NULL** if the parent list is not a document library or **FileSystemObjectType** is **Folder**.

#### **3.2.5.87.1.2.6 ParentList**

**Type:** Microsoft.SharePoint.Client.List

**Accessibility:** Read Only

Specifies the parent list that contains the list item.

It MUST NOT be NULL.

#### **3.2.5.87.1.2.7 RoleAssignments**

**Type:** Microsoft.SharePoint.Client.RoleAssignmentCollection

**Accessibility:** Read Only

Specifies the role assignments for the list item.

### **3.2.5.87.2 Methods**

#### **3.2.5.87.2.1 Scalar Methods**

##### **3.2.5.87.2.1.1 BreakRoleInheritance**

**Return Type:** None

Updates the list item to stop inheriting role assignments from the parent list or the parent folder.

**Parameters:**

*copyRoleAssignments*: Specifies whether to perform a one-time copy of the role assignments from the parent list or the parent folder to the list item. If **FALSE** the list item MUST be given one role assignment containing the current user.

Type: CSOM Boolean

*clearSubscopes*: Specifies whether the role assignments for all child list items MUST be cleared.

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.87.2.1.2 DeleteObject

**Return Type:** None

Deletes the list item.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	List item is an instance of a recurring event which is not a <b>recurrence exception</b> .
-2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
-2147024809	System.ArgumentException	List item does not exist.
-1	System.InvalidOperationException	List (1) does not support this operation or the list item does not exist in the external list.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.87.2.1.3 ParseAndSetFieldValue

**Return Type:** None

Sets the value of the field (2) for the list item based on an implementation specific transformation of the value.

**Parameters:**

*fieldName*: Specifies the field internal name.

Type: CSOM String

*value*: Specifies the new value for the field (2).

Type: CSOM String

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575155	Microsoft.SharePoint.SPFieldValueException	Field (2) is required and <b>value</b> is <b>NULL</b> or empty, the field (2) does not support setting values, or the value cannot be converted to the type of the field (2).
- 2147024809	System.ArgumentException	Field (2) does not exist.

### 3.2.5.87.2.1.4 Recycle

**Return Type:** CSOM GUID

Moves the list item to the Recycle Bin and returns the identifier of the new Recycle Bin item.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	List item is an instance of a recurring event which is not a recurrence exception.
- 2130575338	Microsoft.SharePoint.SPException	List item does not exist.
-1	System.NotSupportedException	Method called on an external list.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.87.2.1.5 ResetRoleInheritance

**Return Type:** None

Updates the list item to inherit role assignments from the parent list or the parent folder.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.87.2.1.6 SetFieldValue

**Return Type:** None

Sets the value of the field (2) for the list item.

**Parameters:**

*fieldName*: Specifies the field internal name.

Type: CSOM String

*value*: Specifies the new value for the field (2).

Type: System.Object

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575155	Microsoft.SharePoint.SPFieldValueException	Field (2) is required and <b>value</b> is <b>NULL</b> or empty, the field (2) does not support setting values, or the value cannot be converted to the type of the field (2).
- 2147024809	System.ArgumentException	Field (2) does not exist.

### 3.2.5.87.2.1.7 Update

**Return Type:** None

Commits changed properties of the list item.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575169	Microsoft.SharePoint.SPDuplicateValuesFoundException	Duplicate values were found for one or more fields (2) in the list.
- 2147352571	Microsoft.SharePoint.SPException	Field (2) is read-only.
- 2146232832	Microsoft.SharePoint.SPException	List item is an instance of a recurring event which is not a recurrence exception, the list item is a <b>workflow task</b> whose parent workflow is in the Recycle Bin, or the parent list (1) is a document library.
- 2130575305	Microsoft.SharePoint.SPException	List item was modified on the server so changes cannot be committed.

Error Code	Error Type Name	Condition
- 2130575163	Microsoft.SharePoint.SPListDataValidationException	Data validation has failed on the field (2).
- 2130575162	Microsoft.SharePoint.SPListDataValidationException	Data validation has failed on the list (1).
- 2130575161	Microsoft.SharePoint.SPListDataValidationException	Data validation has failed on the field (2) and the list (1).
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	List item does not exist.
-1	System.InvalidOperationException	List (1) does not support this operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.87.2.2 ObjectPath Methods

None.

### 3.2.5.88 Microsoft.SharePoint.Client.ListItemCollection

**TypeId:** {1722DF25-A4D3-44BB-A1C6-04DBB90E9D91}

**ShortName:** SP.ListItemCollection

Specifies a collection of list items.

#### 3.2.5.88.1 Properties

##### 3.2.5.88.1.1 Scalar Properties

##### 3.2.5.88.1.1.1 ListItemCollectionPosition

**Type:** Microsoft.SharePoint.Client.ListItemCollectionPosition

**Accessibility:** Read Only

Specifies the information required to get the next page of data for a list view.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.88.1.2 ObjectPath Properties

None.

### 3.2.5.88.2 Methods

#### 3.2.5.88.2.1 Scalar Methods

None.

#### 3.2.5.88.2.2 ObjectPath Methods

##### 3.2.5.88.2.2.1 GetById

**Return Type:** Microsoft.SharePoint.Client.ListItem

Returns the list item with the specified list item identifier.

**Parameters:**

*id*: The list item identifier.

Type: CSOM Int32

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	List item does not exist.

##### 3.2.5.88.2.2.2 GetByStringId

**Return Type:** Microsoft.SharePoint.Client.ListItem

Returns the list item with either the specified list item identifier or the specified identifier for an instance of an external content type.

**Parameters:**

*sId*: Specifies the list item identifier, or if the list is an external list, specifies the identifier for an instance of an external content type as specified in [\[MS-ECTPWPS\]](#) section 3.1.4.1.2.1.

Type: CSOM String

**Exceptions:**

Error Code	Error Type Name	Condition
-2130575338	Microsoft.SharePoint.SPException	List item does not exist, and the list (1) is an external list.
-2147024809	System.ArgumentException	List item does not exist.
-1	System.FormatException	<b>sId</b> is not a list item identifier, and the list (1) is NOT an external list.

### 3.2.5.89 Microsoft.SharePoint.Client.ListItemCollectionPosition

**TypeId:** {922354EB-C56A-4D88-AD59-67496854EFE1}

**ShortName:** SP.ListItemCollectionPosition

Specifies the information required to get the next page of data for a list view.

#### 3.2.5.89.1 Properties

##### 3.2.5.89.1.1 Scalar Properties

###### 3.2.5.89.1.1.1 PagingInfo

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies information, as name-value pairs, required to get the next page of data for a list view. If a name appears more than once, one value MUST be used.

It MUST conform to the following ABNF:

PagingInfo = 0\*1(NameValuePair 0\*601("&" NameValuePair))

NameValuePair = Name "=" Value

Value = 1\*(Alphanum | Mark | Escaped)

Name = 1\*(Alphanum | Mark)

Escaped = "%" HEXDIG HEXDIG

Mark = "-" | "\_" | "." | "!" | "~" | "\*" | "'" | "(" | ")"

Alphanum = DIGIT | ALPHA

##### 3.2.5.89.1.2 ObjectPath Properties

None.

### 3.2.5.90 Microsoft.SharePoint.Client.ListItemCreationInformation

**TypeId:** {54CDBEE5-0897-44AC-829F-411557FA11BE}

**ShortName:** SP.ListItemCreationInformation

Specifies the properties of the new list item.

#### 3.2.5.90.1 Properties

##### 3.2.5.90.1.1 Scalar Properties

###### 3.2.5.90.1.1.1 FolderUrl

**Type:** CSOM String



**Accessibility:** Read/Write

Specifies the folder for the new list item.

It MUST be **NULL**, empty, a server-relative URL, or an absolute URL. If the value is a server-relative URL or an absolute URL, it MUST be under the root folder of the list.

### 3.2.5.90.1.1.2 LeafName

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of the new list item. It MUST be the name of the file if the parent list of the list item is a document library.

Its length MUST be equal to or less than 128. It MUST NOT contain the following characters: \x00-\x1F, \x22, \x23, \x25, \x26, \x2A, \x3A, \x3C, \x3E, \x3F, \x5C and \x7B-\x9F.

### 3.2.5.90.1.1.3 UnderlyingObjectType

**Type:** Microsoft.SharePoint.Client.FileSystemObjectType

**Accessibility:** Read/Write

Specifies whether the new list item is a file or a folder.

It MUST be one of the following values: **File** or **Folder**.

### 3.2.5.90.1.2 ObjectPath Properties

None.

## 3.2.5.91 Microsoft.SharePoint.Client.ListTemplate

**TypeId:** {D772ECD1-DAA3-4CB1-9EA1-FEEA1E383FB2}

**ShortName:** SP.ListTemplate

Specifies a list template.

### 3.2.5.91.1 Properties

#### 3.2.5.91.1.1 Scalar Properties

##### 3.2.5.91.1.1.1 AllowsFolderCreation

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether new list folders can be added to a list (1) created from the list template.

##### 3.2.5.91.1.1.2 BaseType

**Type:** Microsoft.SharePoint.Client.BaseType

**Accessibility:** Read Only

Specifies the base type of the list template.

### **3.2.5.91.1.1.3 Description**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the description of the list template.

### **3.2.5.91.1.1.4 FeatureId**

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the feature identifier of the feature that contains the list schema for the list template. It MUST be an empty GUID if the list schema for the list template is not contained within a feature.

### **3.2.5.91.1.1.5 Hidden**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the list template is hidden from the user interface for creating new lists (1).

### **3.2.5.91.1.1.6 ImageUrl**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the URI for the icon of the list template.

It MUST NOT be NULL. Its length MUST be equal to or less than 255. It MUST be a server-relative URL or an absolute URL.

### **3.2.5.91.1.1.7 InternalName**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the identifier for the list template.

It MUST NOT be NULL.

### **3.2.5.91.1.1.8 IsCustomTemplate**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the list template is user-created. If **FALSE**, the list template is a system component.

#### **3.2.5.91.1.1.9 ListTemplateTypeKind**

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the list server template.

#### **3.2.5.91.1.1.10 Name**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the display name of the list template.

It MUST NOT be NULL.

#### **3.2.5.91.1.1.11 OnQuickLaunch**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether a list (1) created from the list template appears on the Quick Launch of the site (2).

#### **3.2.5.91.1.1.12 Unique**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the list template can be used to create only one list (1) in a site collection, and that the list template is hidden from the user interface for creating new lists (1).

#### **3.2.5.91.1.2 ObjectPath Properties**

None.

#### **3.2.5.91.2 Methods**

##### **3.2.5.91.2.1 Scalar Methods**

None.

##### **3.2.5.91.2.2 ObjectPath Methods**

None.

#### **3.2.5.92 Microsoft.SharePoint.Client.ListTemplateCollection**

**TypeId:** {23748D10-16A1-4946-A38B-98FDEC0E0EC8}

**ShortName:** SP.ListTemplateCollection

Specifies a collection of list templates (section [3.2.5.91](#)).

### **3.2.5.92.1 Properties**

#### **3.2.5.92.1.1 Scalar Properties**

None.

#### **3.2.5.92.1.2 ObjectPath Properties**

None.

### **3.2.5.92.2 Methods**

#### **3.2.5.92.2.1 Scalar Methods**

None.

#### **3.2.5.92.2.2 ObjectPath Methods**

None.

### **3.2.5.93 Microsoft.SharePoint.Client.ListTemplateType**

**ShortName:** SP.ListTemplateType

**Flag:** false

Specifies the type of a list template. A set of predefined values are specified in [\[MS-WSSTS\]](#) section 2.7.

### **3.2.5.93.1 Field Values**

#### **3.2.5.93.1.1 NoListTemplate**

**Value:** 0

Specifies no template applies.

#### **3.2.5.93.1.2 GenericList**

**Value:** 100

Specifies a custom list (1).

#### **3.2.5.93.1.3 DocumentLibrary**

**Value:** 101

Specifies a Document library.

#### **3.2.5.93.1.4 Survey**

**Value:** 102

Specifies a survey list (1).

#### **3.2.5.93.1.5 Links**

**Value:** 103

Specifies a **links** list (1).

#### **3.2.5.93.1.6 Announcements**

**Value:** 104

Specifies an announcements list (1).

#### **3.2.5.93.1.7 Contacts**

**Value:** 105

Specifies a **contacts** list (1).

#### **3.2.5.93.1.8 Events**

**Value:** 106

Specifies a calendar list (1).

#### **3.2.5.93.1.9 Tasks**

**Value:** 107

Specifies a task list (1).

#### **3.2.5.93.1.10 DiscussionBoard**

**Value:** 108

Specifies a discussion board.

#### **3.2.5.93.1.11 PictureLibrary**

**Value:** 109

Specifies a **picture library**.

#### **3.2.5.93.1.12 DataSources**

**Value:** 110

Specifies a list (1) of data sources for a site (2).

### **3.2.5.93.1.13 WebTemplateCatalog**

**Value:** 111

Specifies a **site template** gallery.

### **3.2.5.93.1.14 UserInformation**

**Value:** 112

Specifies a user information list.

### **3.2.5.93.1.15 WebPartCatalog**

**Value:** 113

Specifies a Web Part gallery.

### **3.2.5.93.1.16 ListTemplateCatalog**

**Value:** 114

Specifies a list template gallery.

### **3.2.5.93.1.17 XMLForm**

**Value:** 115

Specifies an **XML form library**.

### **3.2.5.93.1.18 MasterPageCatalog**

**Value:** 116

Specifies a **master page** gallery.

### **3.2.5.93.1.19 NoCodeWorkflows**

**Value:** 117

Specifies a **declarative workflow** library.

### **3.2.5.93.1.20 WorkflowProcess**

**Value:** 118

Specifies a custom form action workflow library.

### **3.2.5.93.1.21 WebPageLibrary**

**Value:** 119

Specifies a Wiki Page library.

### **3.2.5.93.1.22 CustomGrid**

**Value:** 120

Specifies a **custom list** in **datasheet** view.

### **3.2.5.93.1.23 SolutionCatalog**

**Value:** 121

Specifies a solution gallery for a site (2).

### **3.2.5.93.1.24 NoCodePublic**

**Value:** 122

Specifies a site collection scoped declarative workflow library.

### **3.2.5.93.1.25 ThemeCatalog**

**Value:** 123

Specifies a theme gallery.

### **3.2.5.93.1.26 DataConnectionLibrary**

**Value:** 130

Specifies a **data connection library**.

### **3.2.5.93.1.27 WorkflowHistory**

**Value:** 140

Specifies a **workflow history list**.

### **3.2.5.93.1.28 GanttTasks**

**Value:** 150

Specifies a project tasks list (1).

### **3.2.5.93.1.29 Meetings**

**Value:** 200

Specifies a meeting series list (1) in a Meeting Workspace site.

### **3.2.5.93.1.30 Agenda**

**Value:** 201

Specifies an agenda list (1) in a Meeting Workspace site.

### **3.2.5.93.1.31 MeetingUser**

**Value:** 202

Specifies an attendees list (1) in a Meeting Workspace site.

### **3.2.5.93.1.32 Decision**

**Value:** 204

Specifies a decisions list (1) in a Meeting Workspace site.

### **3.2.5.93.1.33 MeetingObjective**

**Value:** 207

Specifies an objectives list (1) in a Meeting Workspace site.

### **3.2.5.93.1.34 TextBox**

**Value:** 210

Specifies a text box list (1) in a Meeting Workspace site.

### **3.2.5.93.1.35 ThingsToBring**

**Value:** 211

Specifies a "things to bring" list (1) in a Meeting Workspace site.

### **3.2.5.93.1.36 HomePageLibrary**

**Value:** 212

Specifies a pages library in a Meeting Workspace site.

### **3.2.5.93.1.37 Posts**

**Value:** 301

Specifies a posts list (1) in a **blog**.

### **3.2.5.93.1.38 Comments**

**Value:** 302

Specifies a comments list (1) in a blog.

### **3.2.5.93.1.39 Categories**

**Value:** 303

Specifies a categories list (1) in a blog.



### **3.2.5.93.1.40 Facility**

**Value:** 402

Specifies a list (1) to document shared assets in a Group Work site.

### **3.2.5.93.1.41 Whereabouts**

**Value:** 403

Specifies a list (1) to track employee locations in a Group Work site.

### **3.2.5.93.1.42 CallTrack**

**Value:** 404

Specifies a list (1) to track incoming phone call information in a Group Work site.

### **3.2.5.93.1.43 Circulation**

**Value:** 405

Specifies a list (1) to track the circulation of documents in a Group Work site.

### **3.2.5.93.1.44 Timecard**

**Value:** 420

Specifies a list (1) to manage work hours in a Group Work site.

### **3.2.5.93.1.45 Holidays**

**Value:** 421

Specifies a list (1) that can be used to add holidays to a calendar.

### **3.2.5.93.1.46 IMEDic**

**Value:** 499

Specifies an IME dictionary list.

### **3.2.5.93.1.47 ExternalList**

**Value:** 600

Specifies an External list.

### **3.2.5.93.1.48 IssueTracking**

**Value:** 1100

Specifies an issue tracking list (1).

### **3.2.5.93.1.49 AdminTasks**

**Value:** 1200

Specifies an Administrator tasks list (1).

### **3.2.5.93.1.50 HealthRules**

**Value:** 1220

Specifies a Health Rules list (1).

### **3.2.5.93.1.51 HealthReports**

**Value:** 1221

Specifies a Health Reports library.

## **3.2.5.94 Microsoft.SharePoint.Client.MoveOperations**

**ShortName:** SP.MoveOperations

**Flag:** true

Specifies criteria for how to move files.

### **3.2.5.94.1 Field Values**

#### **3.2.5.94.1.1 None**

**Value:** 0

Specifies no move operation is specified.

#### **3.2.5.94.1.2 Overwrite**

**Value:** 1

Specifies a file with the same name is to be overwritten if it exists.

#### **3.2.5.94.1.3 AllowBrokenThickets**

**Value:** 8

Specifies the move operation is to be finished even if **thicket supporting files** are separated from the file.

#### **3.2.5.94.1.4 BypassApprovePermission**

**Value:** 64

Specifies approval permissions are not required if there are no **published** versions of the file.

## **3.2.5.95 Microsoft.SharePoint.Client.Navigation**

**TypeId:** {D6AA87A7-71B3-4BBE-BCA7-00AB1BD7D37F}

**ShortName:** SP.Navigation

Represents navigation operations at the site collection level.

### 3.2.5.95.1 Properties

#### 3.2.5.95.1.1 Scalar Properties

##### 3.2.5.95.1.1.1 UseShared

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the site (2) inherits navigation.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Set to true on the root site (2)

#### 3.2.5.95.1.2 ObjectPath Properties

##### 3.2.5.95.1.2.1 QuickLaunch

**Type:** Microsoft.SharePoint.Client.NavigationNodeCollection

**Accessibility:** Read Only

The collection of **navigation nodes** that correspond to links in the Quick Launch area of the site (2). MUST be NULL if the Quick Launch is unavailable.

##### 3.2.5.95.1.2.2 TopNavigationBar

**Type:** Microsoft.SharePoint.Client.NavigationNodeCollection

**Accessibility:** Read Only

The collection of navigation nodes that correspond to links in the **link bar** of the site (2). MUST be **NULL** if the top navigation bar is defined in a different site (2) or if the top navigation bar node collection has been deleted.

### 3.2.5.95.2 Methods

#### 3.2.5.95.2.1 Scalar Methods

None.

#### 3.2.5.95.2.2 ObjectPath Methods

None.

### 3.2.5.96 Microsoft.SharePoint.Client.NavigationNode

**TypeId:** {CD5D6053-7FFD-41AC-BF36-7B856320A122}

**ShortName:** SP.NavigationNode

Represents the URL to a specific navigation node and provides access to properties and methods for manipulating the ordering of the navigation node in a navigation node collection.

#### 3.2.5.96.1 Properties

##### 3.2.5.96.1.1 Scalar Properties

###### 3.2.5.96.1.1.1 Id

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the identifier for the navigation node.

###### 3.2.5.96.1.1.2 Title

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the **anchor text** for the navigation node link.

It MUST NOT be NULL. Its length MUST be equal to or less than 256.

###### 3.2.5.96.1.1.3 Url

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the URL stored with the navigation node.

MUST be a URL of relative form if the URL corresponds to a page that is outside of the site collection.

It MUST be a URL of relative or absolute form.

##### 3.2.5.96.1.2 ObjectPath Properties

###### 3.2.5.96.1.2.1 Children

**Type:** Microsoft.SharePoint.Client.NavigationNodeCollection

**Accessibility:** Read Only

The collection of child nodes of the navigation node.

It MUST NOT be NULL.

### 3.2.5.96.2 Methods

#### 3.2.5.96.2.1 Scalar Methods

##### 3.2.5.96.2.1.1 DeleteObject

**Return Type:** None

Deletes the navigation node.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130242557	Microsoft.SharePoint.SPException	Object modified by another author before the delete could be finished.

##### 3.2.5.96.2.1.2 Update

**Return Type:** None

Updates property changes that have been made to the navigation node.

**Parameters:** None

#### 3.2.5.96.2.2 ObjectPath Methods

None.

### 3.2.5.97 Microsoft.SharePoint.Client.NavigationNodeCollection

**TypeId:** {2D818ED7-8FEF-4A1C-BCEB-A9404DFA482F}

**ShortName:** SP.NavigationNodeCollection

A collection of navigation nodes.

#### 3.2.5.97.1 Properties

##### 3.2.5.97.1.1 Scalar Properties

None.

##### 3.2.5.97.1.2 ObjectPath Properties

None.

#### 3.2.5.97.2 Methods

##### 3.2.5.97.2.1 Scalar Methods

None.

### 3.2.5.97.2.2 ObjectPath Methods

#### 3.2.5.97.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.NavigationNode

Creates a navigation node object and adds it to the collection.

**Parameters:**

*parameters:* Describes the node to be created.

Type: Microsoft.SharePoint.Client.NavigationNodeCreationInformation

It MUST NOT be NULL.

### 3.2.5.98 Microsoft.SharePoint.Client.NavigationNodeCreationInformation

**TypeId:** {7AAAA605-79A9-4FDA-AE1E-DB952E5083E0}

**ShortName:** SP.NavigationNodeCreationInformation

Describes a new navigation node to be created.

#### 3.2.5.98.1 Properties

##### 3.2.5.98.1.1 Scalar Properties

###### 3.2.5.98.1.1.1 AsLastNode

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the navigation node will be created as the last node in the collection. MUST have no effect if **PreviousNode** is not **NULL**.

###### 3.2.5.98.1.1.2 IsExternal

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the navigation node URL potentially corresponds to pages outside of the site collection.

###### 3.2.5.98.1.1.3 Title

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the anchor text for the navigation node link.

Its length MUST be equal to or less than 256.

#### 3.2.5.98.1.1.4 Url

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the URL to be stored with the navigation node.

#### 3.2.5.98.1.2 ObjectPath Properties

##### 3.2.5.98.1.2.1 PreviousNode

**Type:** Microsoft.SharePoint.Client.NavigationNode

**Accessibility:** Read/Write

Specifies the navigation node after which the new navigation node will appear in the navigation node collection.

#### 3.2.5.99 Microsoft.SharePoint.Client.PageType

**ShortName:** SP.PageType

**Flag:** false

As specified in [\[MS-WSSFO2\]](#) section 2.2.4.14.

##### 3.2.5.99.1 Field Values

###### 3.2.5.99.1.1 Invalid

**Value:** -1

Specifies a page that does not correspond to a list view or a list form.

###### 3.2.5.99.1.2 DefaultView

**Value:** 0

Specifies a page that is the default view for a list (1).

###### 3.2.5.99.1.3 NormalView

**Value:** 1

Specifies a page that is a list view and is not the default view for a list (1).

###### 3.2.5.99.1.4 DialogView

**Value:** 2

Specifies a page that can be displayed within a dialog box on a client computer.

###### 3.2.5.99.1.5 View

**Value:** 3

Specifies a page that is a list view.

#### **3.2.5.99.1.6 DisplayForm**

**Value:** 4

Specifies a list form for displaying a list item.

#### **3.2.5.99.1.7 DisplayFormDialog**

**Value:** 5

Specifies a list form for displaying a list item within a dialog box on a client computer.

#### **3.2.5.99.1.8 EditForm**

**Value:** 6

Specifies a list form for editing a list item.

#### **3.2.5.99.1.9 EditFormDialog**

**Value:** 7

Specifies a list form for editing a list item that can be displayed within a dialog box on a client computer.

#### **3.2.5.99.1.10 NewForm**

**Value:** 8

Specifies a list form for creating a new list item.

#### **3.2.5.99.1.11 NewFormDialog**

**Value:** 9

Specifies a list form for creating a new list item that can be displayed within a dialog box on a client computer.

#### **3.2.5.99.1.12 SolutionForm**

**Value:** 10

Specifies a list form that is represented by a **form template (.xsn) file** and is used for displaying or editing a list item.

#### **3.2.5.99.1.13 PAGE\_MAXITEMS**

**Value:** 11

Represents the total number of valid page types.

#### **3.2.5.100 Microsoft.SharePoint.Client.Principal**

**TypeId:** {8A76E712-17A1-4A40-B2DF-CCA7C060D78F}



**ShortName:** SP.Principal

Specifies a base type which represents a user or group (2) that can be assigned permissions to control security.

### 3.2.5.100.1 Properties

#### 3.2.5.100.1.1 Scalar Properties

##### 3.2.5.100.1.1.1 Id

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the member identifier for the user or group (2).

Its value MUST be equal to or greater than 1. Its value MUST be equal to or less than 2147483647.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	Member data is <b>NULL</b> .

##### 3.2.5.100.1.1.2 LoginName

**Type:** CSOM String

**Accessibility:** Read Only

If this object represents a user, **LoginName** specifies the **login name** of the user. For a group (2), it specifies the name of the group (2).

##### 3.2.5.100.1.1.3 PrincipalType

**Type:** Microsoft.SharePoint.Client.Utilities.PrincipalType

**Accessibility:** Read Only

Specifies the type of principal (1) represented by this object.

##### 3.2.5.100.1.1.4 Title

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of the principal (1).

It MUST NOT be NULL. Its length MUST be equal to or less than 255.

#### 3.2.5.100.1.2 ObjectPath Properties

None.

### 3.2.5.100.2 Methods

#### 3.2.5.100.2.1 Scalar Methods

None.

#### 3.2.5.100.2.2 ObjectPath Methods

None.

### 3.2.5.101 Microsoft.SharePoint.Client.PropertyValues

**TypeId:** {3973524D-2D5A-4683-AA39-38A2ACC6E63C}

**ShortName:** SP.PropertyValues

Contains CSOM expando properties, which is a collection of name-value pairs. The CSOM expando field name is the name part in the name value pair. The CSOM expando field value is the value part in the name-value pair.

#### 3.2.5.101.1 Properties

##### 3.2.5.101.1.1 Scalar Properties

None.

##### 3.2.5.101.1.2 ObjectPath Properties

None.

#### 3.2.5.101.2 Methods

##### 3.2.5.101.2.1 Scalar Methods

###### 3.2.5.101.2.1.1 SetFieldValue

**Return Type:** None

Update the CSOM expando property value for a CSOM expando field name.

**Parameters:**

*fieldName:* Specify the name of a CSOM expando field.

Type: CSOM String

*value:* Specify the value of a CSOM expando field.

Type: System.Object

##### 3.2.5.101.2.2 ObjectPath Methods

None.

### 3.2.5.102 Microsoft.SharePoint.Client.QuickLaunchOptions

**ShortName:** SP.QuickLaunchOptions

**Flag:** false

Specifies whether the list (1) is displayed on the Quick Launch of the site (2).

#### 3.2.5.102.1 Field Values

##### 3.2.5.102.1.1 Off

**Value:** 0

Specifies that the list (1) is not displayed on the Quick Launch of the site (2).

##### 3.2.5.102.1.2 On

**Value:** 1

Specifies that the list (1) is displayed on the Quick Launch of the site (2).

##### 3.2.5.102.1.3 DefaultValue

**Value:** 2

Specifies that the list (1) is displayed on the Quick Launch of the site (2) if the **OnQuickLaunch** property of the **list definition** or list template of the associated list (1) is **TRUE**.

### 3.2.5.103 Microsoft.SharePoint.Client.RecycleBinItem

**TypeId:** {5EBF462E-9E9A-440C-992B-ABBB3916563D}

**ShortName:** SP.RecycleBinItem

Represents a Recycle Bin item in the Recycle Bin of a site (2) or a site collection.

#### 3.2.5.103.1 Properties

##### 3.2.5.103.1.1 Scalar Properties

###### 3.2.5.103.1.1.1 DeletedDate

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies when the Recycle Bin item was moved to the Recycle Bin.

###### 3.2.5.103.1.1.2 DirName

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the site-relative URL of the list (1) or folder that originally contained the Recycle Bin item.

It MUST NOT be NULL. It MUST be a URL of relative form. Its length MUST be equal to or less than 256.

#### **3.2.5.103.1.1.3 Id**

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the identifier of the Recycle Bin item.

It MUST NOT be an empty GUID.

#### **3.2.5.103.1.1.4 ItemState**

**Type:** Microsoft.SharePoint.Client.RecycleBinItemState

**Accessibility:** Read Only

Specifies the Recycle Bin stage of the Recycle Bin item.

It MUST NOT be None

#### **3.2.5.103.1.1.5 ItemType**

**Type:** Microsoft.SharePoint.Client.RecycleBinItemType

**Accessibility:** Read Only

Specifies the type of the Recycle Bin item.

It MUST NOT be None

#### **3.2.5.103.1.1.6 LeafName**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the leaf name of the Recycle Bin item.

It MUST NOT be NULL. Its length MUST be equal to or less than 128. It MUST NOT contain the following characters: \x00-\x1F, \x22, \x23, \x25, \x26, \x2A, \x3A, \x3C, x3E, \x3F, \x5C and \x7B-\x9F.

#### **3.2.5.103.1.1.7 Size**

**Type:** CSOM Int64

**Accessibility:** Read Only

Specifies the size of the Recycle Bin item in bytes.

Its value MUST be equal to or greater than 0.

### 3.2.5.103.1.1.8 Title

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the title of the Recycle Bin item.

It MUST NOT be NULL. Its length MUST be equal to or less than 255.

### 3.2.5.103.1.2 ObjectPath Properties

#### 3.2.5.103.1.2.1 Author

**Type:** Microsoft.SharePoint.Client.User

**Accessibility:** Read Only

Specifies the user who created the Recycle Bin item.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	User cannot be found.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.103.1.2.2 DeletedBy

**Type:** Microsoft.SharePoint.Client.User

**Accessibility:** Read Only

Specifies the user who deleted the Recycle Bin item.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	User cannot be found.
-2147024891	System.UnauthorizedAccessException	Access is denied.

### 3.2.5.103.2 Methods

#### 3.2.5.103.2.1 Scalar Methods

##### 3.2.5.103.2.1.1 DeleteObject

**Return Type:** None

Permanently deletes the Recycle Bin item.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	Recycle Bin item does not exist.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

**3.2.5.103.2.1.2 Restore****Return Type:** None

Restores the Recycle Bin item to its original location.

**Parameters:** None**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024816	Microsoft.SharePoint.SPException	Another file or folder with the same name already exists in the original location.
- 2147024713	Microsoft.SharePoint.SPException	Another list (1) with the same name already exists in the original location.
- 2147022917	Microsoft.SharePoint.SPException	Recycle Bin item is the child of a list (1), list item, or document that does not exist.
- 2130575168	Microsoft.SharePoint.SPException	Recycle Bin item contains duplicate field values for a field where <b>Field.EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130575156	Microsoft.SharePoint.SPException	Recycle Bin item has one or more lookup field values that do not exist in the data source that is the target of the lookup field.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	Recycle Bin item does not exist.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

**3.2.5.103.2.2 ObjectPath Methods**

None.

**3.2.5.104 Microsoft.SharePoint.Client.RecycleBinItemCollection****TypeId:** {9BFB60CF-1ACA-484C-A845-5F2D4EF20865}**ShortName:** SP.RecycleBinItemCollection

Specifies a collection of Recycle Bin items.

### 3.2.5.104.1 Properties

#### 3.2.5.104.1.1 Scalar Properties

None.

#### 3.2.5.104.1.2 ObjectPath Properties

None.

### 3.2.5.104.2 Methods

#### 3.2.5.104.2.1 Scalar Methods

##### 3.2.5.104.2.1.1 DeleteAll

**Return Type:** None

Permanently deletes all Recycle Bin items.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.104.2.1.2 RestoreAll

**Return Type:** None

Restores all Recycle Bin items to their original locations.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024816	Microsoft.SharePoint.SPException	Another file or folder with the same name already exists in the original location.
- 2147024713	Microsoft.SharePoint.SPException	Another list (1) with the same name already exists in the original location.
- 2147022917	Microsoft.SharePoint.SPException	Recycle Bin item is the child of a list (1), list item, or document that does not exist.

Error Code	Error Type Name	Condition
- 2130575168	Microsoft.SharePoint.SPException	Recycle Bin item contains duplicate field values for a field where <b>Field.EnforceUniqueValues</b> is <b>TRUE</b> .
- 2130575156	Microsoft.SharePoint.SPException	Recycle Bin item has one or more lookup field values that do not exist in the data source that is the target of the lookup field.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	Throttling limit is exceeded by the operation.
- 2147024809	System.ArgumentException	Recycle Bin item does not exist.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.104.2.2 ObjectPath Methods

#### 3.2.5.104.2.2.1 GetById

**Return Type:** Microsoft.SharePoint.Client.RecycleBinItem

Returns the Recycle Bin item with the specified identifier from the collection.

**Parameters:**

*id*: Specifies the identifier of the Recycle Bin item.

Type: CSOM GUID

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	Recycle Bin item does not exist.

### 3.2.5.105 Microsoft.SharePoint.Client.RecycleBinItemState

**ShortName:** SP.RecycleBinItemState

**Flag:** false

Specifies the Recycle Bin stage of the Recycle Bin item.

#### 3.2.5.105.1 Field Values

##### 3.2.5.105.1.1 None

**Value:** 0

The stage of the Recycle Bin item is not specified.



### **3.2.5.105.1.2 FirstStageRecycleBin**

**Value:** 1

Specifies that the Recycle Bin item is in the user Recycle Bin.

### **3.2.5.105.1.3 SecondStageRecycleBin**

**Value:** 2

Specifies that the Recycle Bin item is in the site collection Recycle Bin.

### **3.2.5.106 Microsoft.SharePoint.Client.RecycleBinItemType**

**ShortName:** SP.RecycleBinItemType

**Flag:** false

Specifies the type of the Recycle Bin item.

#### **3.2.5.106.1 Field Values**

##### **3.2.5.106.1.1 None**

**Value:** 0

The type of the Recycle Bin item is not specified.

##### **3.2.5.106.1.2 File**

**Value:** 1

Specifies that the Recycle Bin item is a file.

##### **3.2.5.106.1.3 FileVersion**

**Value:** 2

Specifies that the Recycle Bin item is a historical version of a file.

##### **3.2.5.106.1.4 ListItem**

**Value:** 3

Specifies that the Recycle Bin item is a list item.

##### **3.2.5.106.1.5 List**

**Value:** 4

Specifies that the Recycle Bin item is a list (1).

##### **3.2.5.106.1.6 Folder**

**Value:** 5

Specifies that the Recycle Bin item is a folder.

#### **3.2.5.106.1.7 FolderWithLists**

**Value:** 6

Specifies that the Recycle Bin item is a folder that contains a list (1).

#### **3.2.5.106.1.8 Attachment**

**Value:** 7

Specifies that the Recycle Bin item is an attachment.

#### **3.2.5.106.1.9 ListItemVersion**

**Value:** 8

Specifies that the Recycle Bin item is a historical version of a list item.

#### **3.2.5.106.1.10 CascadeParent**

**Value:** 9

Specifies that the Recycle Bin item is a list item that is the parent of one or more related list items.

### **3.2.5.107 Microsoft.SharePoint.Client.RelatedField**

**TypeId:** {A91DEB1A-2F24-4AC5-A1A6-3B1E530C307F}

**ShortName:** SP.RelatedField

Specifies properties of a **relationship lookup field**.

#### **3.2.5.107.1 Properties**

##### **3.2.5.107.1.1 Scalar Properties**

###### **3.2.5.107.1.1.1 FieldId**

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the field (2) identifier of the relationship lookup field.

###### **3.2.5.107.1.1.2 ListId**

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the list (1) identifier of the relationship lookup field.

### 3.2.5.107.1.1.3 RelationshipDeleteBehavior

**Type:** Microsoft.SharePoint.Client.RelationshipDeleteBehaviorType

**Accessibility:** Read Only

Specifies the relationship delete behavior.

### 3.2.5.107.1.1.4 WebId

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the identifier of the site (2) containing the target list (1) for the relationship lookup field.

## 3.2.5.107.1.2 ObjectPath Properties

### 3.2.5.107.1.2.1 LookupList

**Type:** Microsoft.SharePoint.Client.List

**Accessibility:** Read Only

Specifies the target list (1) of the relationship lookup field.

It MUST NOT be NULL.

## 3.2.5.107.2 Methods

### 3.2.5.107.2.1 Scalar Methods

None.

### 3.2.5.107.2.2 ObjectPath Methods

None.

## 3.2.5.108 Microsoft.SharePoint.Client.RelatedFieldCollection

**TypeId:** {4703193F-E3ED-445B-8612-7C6218E0EB5A}

**ShortName:** SP.RelatedFieldCollection

Specifies a collection of objects storing properties of relationship lookup fields.

## 3.2.5.108.1 Properties

### 3.2.5.108.1.1 Scalar Properties

None.

### 3.2.5.108.1.2 ObjectPath Properties

None.

### 3.2.5.108.2 Methods

#### 3.2.5.108.2.1 Scalar Methods

None.

#### 3.2.5.108.2.2 ObjectPath Methods

None.

### 3.2.5.109 Microsoft.SharePoint.Client.RelationshipDeleteBehaviorType

**ShortName:** SP.RelationshipDeleteBehaviorType

**Flag:** false

Specifies the optional relationship delete behavior of a relationship lookup field.

#### 3.2.5.109.1 Field Values

##### 3.2.5.109.1.1 None

**Value:** 0

Specifies that no relationship delete behavior is applied.

##### 3.2.5.109.1.2 Cascade

**Value:** 1

Specifies the **cascading behavior**.

##### 3.2.5.109.1.3 Restrict

**Value:** 2

Specifies the **restrict behavior**.

### 3.2.5.110 Microsoft.SharePoint.Client.RequestContext

**TypeId:** {3747ADCD-A3C3-41B9-BFAB-4A64DD2F1E0A}

**ShortName:** SP.RequestContext

Specify the context information when a protocol server processes the request from a protocol client.

#### 3.2.5.110.1 Properties

##### 3.2.5.110.1.1 Scalar Properties

None.

### 3.2.5.110.1.2 ObjectPath Properties

#### 3.2.5.110.1.2.1 Current

**Type:** Microsoft.SharePoint.Client.RequestContext

**Accessibility:** Read Only

Specifies the current context information associated with the current request from a protocol client. It is a static property. The protocol server MUST return a 404 HTTP status code if the Web site, which is the target of the request from a protocol client, does not exist.

#### 3.2.5.110.1.2.2 Site

**Type:** Microsoft.SharePoint.Client.Site

**Accessibility:** Read Only

The site collection that is the target of the request from a protocol client.

It MUST NOT be NULL.

#### 3.2.5.110.1.2.3 Web

**Type:** Microsoft.SharePoint.Client.Web

**Accessibility:** Read Only

The site (2) that is the target of the request from a protocol client.

It MUST NOT be NULL.

### 3.2.5.110.2 Methods

#### 3.2.5.110.2.1 Scalar Methods

None.

#### 3.2.5.110.2.2 ObjectPath Methods

None.

### 3.2.5.111 Microsoft.SharePoint.Client.RoleAssignment

**TypeId:** {07DA03BE-4D19-48F3-9C5F-7C67B134A93B}

**ShortName:** SP.RoleAssignment

Specifies the role assignments for a user or group (2) on a securable object.

#### 3.2.5.111.1 Properties

##### 3.2.5.111.1.1 Scalar Properties

None.

### 3.2.5.111.1.2 ObjectPath Properties

#### 3.2.5.111.1.2.1 Member

**Type:** Microsoft.SharePoint.Client.Principal

**Accessibility:** Read Only

Specifies the user or group (2) corresponding to the role assignment.

It MUST NOT be NULL. The identifier of the user or group MUST be greater than zero.

#### 3.2.5.111.1.2.2 RoleDefinitionBindings

**Type:** Microsoft.SharePoint.Client.RoleDefinitionBindingCollection

**Accessibility:** Read Only

Specifies a collection of role definitions for this role assignment.

It MUST NOT be NULL.

### 3.2.5.111.2 Methods

#### 3.2.5.111.2.1 Scalar Methods

##### 3.2.5.111.2.1.1 DeleteObject

**Return Type:** None

Removes the role assignment object from the parent role assignment collection.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	The parent securable object does not have unique permissions
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.111.2.1.2 ImportRoleDefinitionBindings

**Return Type:** None

Imports the specified role definition bindings into the collection of role definitions for the role assignment.

**Parameters:**

*roleDefinitionBindings*: Specifies the role definition bindings that will be imported.

Type: Microsoft.SharePoint.Client.RoleDefinitionBindingCollection

### 3.2.5.111.2.1.3 Update

**Return Type:** None

Updates the role assignment object with changes that have been made to its properties.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	The parent securable object does not have unique permissions
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.111.2.2 ObjectPath Methods

None.

### 3.2.5.112 Microsoft.SharePoint.Client.RoleAssignmentCollection

**TypeId:** {2690207A-E174-4D49-B2CA-CFF663225DC1}

**ShortName:** SP.RoleAssignmentCollection

The object represents a collection of role assignments for each securable object.

#### 3.2.5.112.1 Properties

##### 3.2.5.112.1.1 Scalar Properties

None.

##### 3.2.5.112.1.2 ObjectPath Properties

None.

#### 3.2.5.112.2 Methods

##### 3.2.5.112.2.1 Scalar Methods

None.

##### 3.2.5.112.2.2 ObjectPath Methods

###### 3.2.5.112.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.RoleAssignment

Adds a role assignment to the role assignment collection.

**Parameters:**

*principal*: An object that represents the user or group (2) of the role assignment.

Type: Microsoft.SharePoint.Client.Principal

It MUST NOT be NULL.

*roleBindings*: An object that represents the collection of the role definitions that will be associated with the role assignment that is added.

Type: Microsoft.SharePoint.Client.RoleDefinitionBindingCollection

It MUST NOT be NULL. It MUST have at least one child in the collection.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	The parent securable object does not have unique permissions.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.112.2.2.2 GetByPrincipal

**Return Type:** Microsoft.SharePoint.Client.RoleAssignment

Retrieves the role assignment object based on the specified user or group (2).

**Parameters:**

*principalToFind*: An object that represents the user or group (2).

Type: Microsoft.SharePoint.Client.Principal

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	The user or group (2) does not exist in the collection at the given scope
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.112.2.2.3 GetByPrincipalId

**Return Type:** Microsoft.SharePoint.Client.RoleAssignment

Retrieves the role assignment object based on the **Id** property of the specified user or group (2).

**Parameters:**

*principalId*: An identifier of the object that represents the user or group (2).

Type: CSOM Int32



**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	The user or group (2) does not exist in the collection at the given scope.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

**3.2.5.113 Microsoft.SharePoint.Client.RoleDefinition**

**TypeId:** {AA7ECB4A-9C7E-4AD9-BD20-58A2775E5AD7}

**ShortName:** SP.RoleDefinition

Defines a single role definition, including a name, description, management properties, and a set of **rights**.

**3.2.5.113.1 Properties****3.2.5.113.1.1 Scalar Properties****3.2.5.113.1.1.1 BasePermissions**

**Type:** Microsoft.SharePoint.Client.BasePermissions

**Accessibility:** Read/Write

Specifies the base permissions for the role definition.

When assigning values to the property, use bitwise **AND**, **OR**, and **XOR** operators with values from the **BasePermissions** uint.

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	Site (2) inherits permission levels from a parent site (2), and permission levels cannot be customized.

**3.2.5.113.1.1.2 Description**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description of the role definition.

Its length MUST be equal to or less than 512.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	Site (2) inherits permission levels from a parent site (2), and permission levels cannot be customized.

### 3.2.5.113.1.1.3 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the role definition is displayed.

### 3.2.5.113.1.1.4 Id

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the identifier of the role definition.

Its value MUST be equal to or greater than 1073741824.

### 3.2.5.113.1.1.5 Name

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the role definition name.

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 255. MUST not contain any of the following characters: /\[|:|<>+=;,?\*'"@

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	Role definition is inherited from a parent site (2)

### 3.2.5.113.1.1.6 Order

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the order position of the object in the site collection Permission Levels page.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	The user cannot customize permission levels in a site (2) with inherited permission levels.

### 3.2.5.113.1.1.7 RoleTypeKind

**Type:** Microsoft.SharePoint.Client.RoleType

**Accessibility:** Read Only

Specifies the type of the role definition.

Its value MUST be equal to or greater than 0. Its value MUST be equal to or less than 5.

### 3.2.5.113.1.2 ObjectPath Properties

None.

### 3.2.5.113.2 Methods

#### 3.2.5.113.2.1 Scalar Methods

##### 3.2.5.113.2.1.1 DeleteObject

**Return Type:** None

Deletes the role definition object

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPException	Role definition type is either Guest or Administrator
-2147024809	System.ArgumentException	Role definition is not part of a collection or site (2)
-2147024809	System.ArgumentException	Role definition is inherited from a parent site (2)
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.113.2.1.2 Update

**Return Type:** None

Updates the role definition with changes that have been made to its properties.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2130575293	Microsoft.SharePoint.SPException	Specified role definition has conflicting properties with existing roles

Error Code	Error Type Name	Condition
- 2130575281	Microsoft.SharePoint.SPException	Role definition <b>Name</b> is empty or contains invalid characters
- 2130575253	Microsoft.SharePoint.SPException	Role definition is not unique to current site (2).
- 2147024809	System.ArgumentException	Role definition is not part of a collection or site (2)
-1	System.InvalidOperationException	Role definition is inherited from a parent site (2).
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.113.2.2 ObjectPath Methods

None.

### 3.2.5.114 Microsoft.SharePoint.Client.RoleDefinitionBindingCollection

**TypeId:** {07BF1941-6953-4761-B114-58374B4AAF57}

**ShortName:** SP.RoleDefinitionBindingCollection

Specifies the role definitions that are bound to a role assignment object.

#### 3.2.5.114.1 Properties

##### 3.2.5.114.1.1 Scalar Properties

None.

##### 3.2.5.114.1.2 ObjectPath Properties

None.

#### 3.2.5.114.2 Methods

##### 3.2.5.114.2.1 Scalar Methods

###### 3.2.5.114.2.1.1 Add

**Return Type:** None

Adds the specified role definition to the binding collection.

**Parameters:**

*roleDefinition*: Specifies the role definition to be added.

Type: Microsoft.SharePoint.Client.RoleDefinition

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Cannot grant a Guest Role or role definition is already added.

**3.2.5.114.2.1.2 Remove**

**Return Type:** None

Removes the specified role definition from the binding collection.

**Parameters:**

*roleDefinition*: Specifies the role definition to be removed.

Type: Microsoft.SharePoint.Client.RoleDefinition

It MUST NOT be NULL.

**3.2.5.114.2.1.3 RemoveAll**

**Return Type:** None

Removes all role definitions from the binding collection.

**Parameters:** None

**3.2.5.114.2.2 ObjectPath Methods**

None.

**3.2.5.115 Microsoft.SharePoint.Client.RoleDefinitionCollection**

**TypeId:** {964B9AB0-D026-4487-99D1-E06450963CC9}

**ShortName:** SP.RoleDefinitionCollection

Represents the collection of role definitions that are available within the Web site.

**3.2.5.115.1 Properties****3.2.5.115.1.1 Scalar Properties**

None.

**3.2.5.115.1.2 ObjectPath Properties**

None.

### 3.2.5.115.2 Methods

#### 3.2.5.115.2.1 Scalar Methods

None.

#### 3.2.5.115.2.2 ObjectPath Methods

##### 3.2.5.115.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.RoleDefinition

Adds a new role definition to the collection, based on the passed parameter.

**Parameters:**

*parameters:* An object that represents the role definition to be added.

Type: Microsoft.SharePoint.Client.RoleDefinitionCreationInformation

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575293	Microsoft.SharePoint.SPException	A role definition with the same characteristics already exists
- 2130575259	Microsoft.SharePoint.SPException	There are more than 1000 role definitions added to the same site (2)
- 2147024809	System.ArgumentException	The role definitions of current site (2) are inherited from a <b>parent site</b> instead of uniquely defined for this site (2).

##### 3.2.5.115.2.2.2 GetById

**Return Type:** Microsoft.SharePoint.Client.RoleDefinition

Retrieves the role definition with the specified **Id** property from the collection.

**Parameters:**

*id:* Specifies the unique identifier of the role definition searched. The value of *id* does not correspond to the index of the role definition within the collection, but refers to the value of the **Id** property of the role definition.

Type: CSOM Int32

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	The role definition does not exist in the collection in the given scope

### 3.2.5.115.2.2.3 GetByName

**Return Type:** Microsoft.SharePoint.Client.RoleDefinition

Returns the role definition matching the *name* provided.

**Parameters:**

*name*: Specifies name of role definition.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 255.  
Trimmed name MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<i>Name</i> MUST NOT be empty or contain more than 255 characters.
- 2146232832	Microsoft.SharePoint.SPException	Cannot find role definition matching this <i>name</i> .

### 3.2.5.115.2.2.4 GetByType

**Return Type:** Microsoft.SharePoint.Client.RoleDefinition

Returns role definition of the specified type from the collection.

**Parameters:**

*roleType*: Specifies the role type. Role type MUST NOT be None.

Type: Microsoft.SharePoint.Client.RoleType

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	Specified role type is None or no role definition with this type was found in the collection.

### 3.2.5.116 Microsoft.SharePoint.Client.RoleDefinitionCreationInformation

**TypeId:** {59EDDF82-1018-4677-8067-69E16EFD3495}

**ShortName:** SP.RoleDefinitionCreationInformation

Contains properties that are used as parameters to initialize a role definition.

### 3.2.5.116.1 Properties

#### 3.2.5.116.1.1 Scalar Properties

##### 3.2.5.116.1.1.1 BasePermissions

**Type:** Microsoft.SharePoint.Client.BasePermissions

**Accessibility:** Read/Write

Specifies the permissions for the role definition.

It MUST NOT be NULL.

##### 3.2.5.116.1.1.2 Description

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies a description of the role definition.

Its length MUST be equal to or less than 512.

##### 3.2.5.116.1.1.3 Name

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of the role definition.

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 255.

It MUST NOT contain any of the following characters: [ ] / \ : | < > + = , ; , ? \* ' @

##### 3.2.5.116.1.1.4 Order

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the order in which role definition are displayed.

#### 3.2.5.116.1.2 ObjectPath Properties

None.

### 3.2.5.117 Microsoft.SharePoint.Client.RoleType

**ShortName:** SP.RoleType

**Flag:** false

Specifies the types of role definitions that are available for users and groups (2).



### 3.2.5.117.1 Field Values

#### 3.2.5.117.1.1 None

**Value:** 0

The role definition has no rights on the Web site.

#### 3.2.5.117.1.2 Guest

**Value:** 1

The role definition has limited right to view pages and specific page elements. This role is used to give users access to a particular page, list (1), or item in a list (1), without granting rights to view the entire site (2). Users cannot be added explicitly to the guest role; users who are given access to lists (1) or document libraries by using permissions for a specific list (1) are added automatically to the guest role. The guest role cannot be customized or deleted.

#### 3.2.5.117.1.3 Reader

**Value:** 2

The role definition has a right to view items, personalize Web parts, use alerts, and create a top-level site(2). A reader can only read a site (2); the reader cannot add content. When a reader creates a site (2), the reader becomes the site (2) owner and a member of the administrator role for the new site (2). This does not affect the user's role membership for any other site (2). Rights included are *CreateSSCSite*, *ViewListItems*, and *ViewPages*.

#### 3.2.5.117.1.4 Contributor

**Value:** 3

The role definition has reader rights, and a right to add items, edit items, delete items, manage list permissions, manage personal views, personalize Web Part Pages, and browse directories. Includes all rights in the reader role, and *AddDelPrivateWebParts*, *AddListItems*, *BrowseDirectories*, *CreatePersonalGroups*, *DeleteListItems*, *EditListItems*, *ManagePersonalViews*, and *UpdatePersonalWebParts* roles. Contributors cannot create new lists (1) or document libraries, but they can add content to existing lists (1) and document libraries.

#### 3.2.5.117.1.5 WebDesigner

**Value:** 4

The role definition has contributor rights and a right to cancel check out, delete items, manage lists (1), add and customize pages, define and apply themes and borders, and link style sheets. Includes all rights in the contributor role, and *AddAndCustomizePages*, *ApplyStyleSheets*, *ApplyThemeAndBorder*, *CancelCheckout*, and *ManageLists* roles. Web designers can modify the structure of the site (2) and create new lists (1) or document libraries.

#### 3.2.5.117.1.6 Administrator

**Value:** 5

The role definition includes all rights from other roles, and a right to manage roles and view usage analysis data. It also includes all rights in the *WebDesigner* role, and *ManageListPermissions*,

*ManageRoles*, *ManageSubwebs*, and *ViewUsageData* roles. The Administrator role cannot be customized or deleted. Members of the Administrator role always have access to, or can grant themselves access to, any item in the site (2).

### 3.2.5.118 Microsoft.SharePoint.Client.SecurableObject

**TypeId:** {1B1BF348-994E-44FD-823F-0748F5AD94C8}

**ShortName:** SP.SecurableObject

An object that can be assigned security permissions.

The *HasUniqueRoleAssignments* property is not included in the default scalar property set for this type.

#### 3.2.5.118.1 Properties

##### 3.2.5.118.1.1 Scalar Properties

###### 3.2.5.118.1.1.1 HasUniqueRoleAssignments

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the role assignments are uniquely defined for this securable object or inherited from a parent securable object. If the value is **FALSE**, role assignments are inherited from a parent securable object.

##### 3.2.5.118.1.2 ObjectPath Properties

###### 3.2.5.118.1.2.1 RoleAssignments

**Type:** Microsoft.SharePoint.Client.RoleAssignmentCollection

**Accessibility:** Read Only

The role assignments for the securable object.

#### 3.2.5.118.2 Methods

##### 3.2.5.118.2.1 Scalar Methods

###### 3.2.5.118.2.1.1 BreakRoleInheritance

**Return Type:** None

Creates unique role assignments for the securable object. If the securable object already has unique role assignments, the protocol server MUST NOT alter any role assignments.

**Parameters:**

*copyRoleAssignments*: Specifies whether to copy the role assignments from the parent securable object.

Type: CSOM Boolean

If the value is **FALSE**, the collection of role assignments **MUST** contain only 1 role assignment containing the current user after the operation.

*clearSubscopes*: If the securable object is a site (2), and the *clearSubScopes* parameter is **TRUE**, the role assignments for all child securable objects in the current site (2) and in the sites (2) which inherit role assignments from the current site (2) **MUST** be cleared and those securable objects will inherit role assignments from the current site (2) after this call. If the securable object is a site (2), and the *clearSubScopes* parameter is **FALSE**, the role assignments for all child securable objects that do not inherit role assignments from their parent object **MUST** remain unchanged. If the securable object is not a site (2), and the *clearSubScopes* parameter is **TRUE**, the role assignments for all child securable objects **MUST** be cleared and those securable objects will inherit role assignments from the current securable object after this call. If the securable object is not a site (2), and the *clearSubScopes* parameter is **FALSE**, the role assignments for all child securable objects that do not inherit role assignments from their parent object **MUST** remain unchanged.

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	The current site (2) is the <b>top-level site</b> .
-1	System.InvalidOperationException	There are uncommitted changes for the current site (2)
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.118.2.1.2 ResetRoleInheritance

**Return Type:** None

Resets the role inheritance for the securable object and inherits role assignments from the parent securable object.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	There are uncommitted changes for the site (2).

### 3.2.5.118.2.2 ObjectPath Methods

None.

### 3.2.5.119 Microsoft.SharePoint.Client.Site

**TypeId:** {E1BB82E8-0D1E-4E52-B90C-684802AB4EF6}

**ShortName:** SP.Site

Represents a collection of sites (2) in a Web application, including a top-level Web site and all its subsites.

The Usage property is not included in the default scalar property set for this type.

### 3.2.5.119.1 Properties

#### 3.2.5.119.1.1 Scalar Properties

##### 3.2.5.119.1.1.1 AllowDesigner

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether a **designer** can be used on this site collection. See **Microsoft.SharePoint.Client.Web.AllowDesignerForCurrentUser**, which is the scalar property used to determine the behavior for the current user. The default, if not disabled on the Web application, is **TRUE**.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.119.1.1.2 AllowMasterPageEditing

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether master page editing is allowed on this site collection. See **Microsoft.SharePoint.Client.Web.AllowMasterPageEditingForCurrentUser**, which is the scalar property used to determine the behavior for the current user. The default, if not disabled on the Web application, is **FALSE**.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.119.1.1.3 AllowRevertFromTemplate

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether this site collection can be reverted to its base template. See **Microsoft.SharePoint.Client.Web.AllowRevertFromTemplateForCurrentUser**, which is the scalar property used to determine the behavior for the current user. The default, if not disabled on the Web application, is **FALSE**.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.119.1.1.4 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the GUID that identifies the site collection.

#### 3.2.5.119.1.1.5 MaxItemsPerThrottledOperation

**Type:** CSOM UInt32

**Accessibility:** Read Only

Specifies the maximum number of list items allowed to be returned for each retrieve request before throttling will occur. If throttling occurs, no list items will be returned.

#### 3.2.5.119.1.1.6 ServerRelativeUrl

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the server-relative URL of the top-level site in the site collection.

This property MUST begin with a forward slash ("/").

#### 3.2.5.119.1.1.7 ShowUrlStructure

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the URL structure of this site collection is viewable. See **Microsoft.SharePoint.Client.Web.ShowURLStructureForCurrentUser**, which is the scalar property used to determine the behavior for the current user. The default, if not disabled on the Web application, is **FALSE**.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

#### 3.2.5.119.1.1.8 UIVersionConfigurationEnabled

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the **visual upgrade** UI for this site collection is displayed.

### 3.2.5.119.1.1.9 Url

**Type:** CSOM String

**Accessibility:** Read Only

Returns the full URL of the site (2), including **host name**, port number and path.

This property MUST NOT end with a forward slash ("/").

### 3.2.5.119.1.1.10 Usage

**Type:** Microsoft.SharePoint.Client.UsageInfo

**Accessibility:** Read Only

Specifies usage information about the site (2), including bandwidth, storage, and the number of visits to the site collection.

### 3.2.5.119.1.2 ObjectPath Properties

#### 3.2.5.119.1.2.1 Features

**Type:** Microsoft.SharePoint.Client.FeatureCollection

**Accessibility:** Read Only

Specifies the collection of the site collection features for the site collection that contains the site (2).

#### 3.2.5.119.1.2.2 RecycleBin

**Type:** Microsoft.SharePoint.Client.RecycleBinItemCollection

**Accessibility:** Read Only

Specifies the collection of Recycle Bin items for the site collection.

#### 3.2.5.119.1.2.3 RootWeb

**Type:** Microsoft.SharePoint.Client.Web

**Accessibility:** Read Only

Specifies the top-level site of the site collection.

#### 3.2.5.119.1.2.4 UserCustomActions

**Type:** Microsoft.SharePoint.Client.UserCustomActionCollection

**Accessibility:** Read Only

Specifies the collection of user custom actions for the site collection.

### 3.2.5.119.2 Methods

#### 3.2.5.119.2.1 Scalar Methods

None.

#### 3.2.5.119.2.2 ObjectPath Methods

##### 3.2.5.119.2.2.1 GetCatalog

**Return Type:** Microsoft.SharePoint.Client.List

Specifies the list template gallery, site template gallery, Web Part gallery, master page gallery, or other galleries from the site collection, including custom galleries that are defined by users.

This method requires permissions to the top-level site of the site collection, which is where the galleries are located.

**Parameters:**

*typeCatalog*: Specifies the type of list template for the gallery.

Type: CSOM Int32

##### 3.2.5.119.2.2.2 GetChanges

**Return Type:** Microsoft.SharePoint.Client.ChangeCollection

Specifies the collection of the site collection changes from the change log that have occurred within the scope of the site collection, based on the specified query.

**Parameters:**

*query*: Specifies the query that will be used to build the collection of site collection changes to be returned.

Type: Microsoft.SharePoint.Client.ChangeQuery

##### 3.2.5.119.2.2.3 GetCustomListTemplates

**Return Type:** Microsoft.SharePoint.Client.ListTemplateCollection

Specifies the collection of custom list templates for a given site (2).

**Parameters:**

*web*: Specifies the site (2) that contains the custom list templates to be returned.

Type: Microsoft.SharePoint.Client.Web

##### 3.2.5.119.2.2.4 OpenWeb

**Return Type:** Microsoft.SharePoint.Client.Web

Opens a new site (2) by using the specified URL.

**Parameters:**

**strUrl:** Specifies the server-relative URL or site-relative URL of the site (2) to open. If **strUrl** is empty, the top-level site MUST be opened.

Type: CSOM String

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	The specified URL MUST refer to a valid site (2).

### 3.2.5.119.2.2.5 OpenWebById

**Return Type:** Microsoft.SharePoint.Client.Web

Returns the site (2) with the specified GUID.

**Parameters:**

**gWebId:** A GUID that specifies which site (2) to return.

Type: CSOM GUID

### 3.2.5.120 Microsoft.SharePoint.Client.SubwebQuery

**TypeId:** {E3A4D63C-876B-4E24-A972-7664437146FE}

**ShortName:** SP.SubwebQuery

#### 3.2.5.120.1 Properties

##### 3.2.5.120.1.1 Scalar Properties

###### 3.2.5.120.1.1.1 ConfigurationFilter

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the site template used to provision this site (2). **ConfigurationFilter** defaults to -1, which means the query does not filter by site template. **ConfigurationFilter** MUST NOT be less than -1.

###### 3.2.5.120.1.1.2 WebTemplateFilter

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the template used in the **site definition** to define the base structure of this site (2).

**WebTemplateFilter** defaults to -1, which means the query does not filter by any template.

**WebTemplateFilter** MUST NOT be less than -1.



### 3.2.5.120.1.2 ObjectPath Properties

None.

### 3.2.5.121 Microsoft.SharePoint.Client.TemplateFileType

**ShortName:** SP.TemplateFileType

**Flag:** false

Specifies the type of template used for ghosted file creation.

#### 3.2.5.121.1 Field Values

##### 3.2.5.121.1.1 StandardPage

**Value:** 0

Specifies default view template.

##### 3.2.5.121.1.2 WikiPage

**Value:** 1

Specifies default wiki template.

##### 3.2.5.121.1.3 FormPage

**Value:** 2

Specifies default form template.

### 3.2.5.122 Microsoft.SharePoint.Client.UrlFieldFormatType

**ShortName:** SP.UrlFieldFormatType

**Flag:** false

Specifies the display format of the field (2).

#### 3.2.5.122.1 Field Values

##### 3.2.5.122.1.1 Hyperlink

**Value:** 0

Specify that the value MUST be displayed as a hyperlink.

##### 3.2.5.122.1.2 Image

**Value:** 1

Specify that the value MUST be displayed as an image.

### 3.2.5.123 Microsoft.SharePoint.Client.UsageInfo

**TypeId:** {7EC28504-35F9-4FCF-A09F-401024417292}

**ShortName:** SP.UsageInfo

#### 3.2.5.123.1 Properties

##### 3.2.5.123.1.1 Scalar Properties

###### 3.2.5.123.1.1.1 Bandwidth

**Type:** CSOM Int64

**Accessibility:** Read Only

Specifies the cumulative bandwidth, in bytes, used by the site collection during an implementation specific period.

Its value MUST be equal to or greater than 0.

###### 3.2.5.123.1.1.2 DiscussionStorage

**Type:** CSOM Int64

**Accessibility:** Read Only

Specifies the total amount of disk space, in bytes, currently being used to store Web discussion comments in the site collection.

Its value MUST be equal to or greater than 0.

###### 3.2.5.123.1.1.3 Hits

**Type:** CSOM Int64

**Accessibility:** Read Only

Specifies the cumulative number of requests for pages in the site collection during an implementation specific period.

Its value MUST be equal to or greater than 0.

###### 3.2.5.123.1.1.4 Storage

**Type:** CSOM Int64

**Accessibility:** Read Only

Specifies the total amount of disk space, in bytes, currently being used by the site collection.

Its value MUST be equal to or greater than 0.

###### 3.2.5.123.1.1.5 StoragePercentageUsed

**Type:** CSOM Double

**Accessibility:** Read Only

Specifies the ratio of the amount of disk space currently being used by the site collection to the maximum disk space specified in the **site collection quota**.

The server MUST return 0 if no maximum available storage is specified in the site collection quota

Its value MUST be equal to or greater than 0. Its value MUST be equal to or less than 1.

### 3.2.5.123.1.1.6 Visits

**Type:** CSOM Int64

**Accessibility:** Read Only

Specifies the cumulative number of requests for pages in the site collection, with no **HTTP referer**, or a HTTP referer outside of the current site collection during an implementation-specific period.

Its value MUST be equal to or greater than 0.

### 3.2.5.123.1.2 ObjectPath Properties

None.

### 3.2.5.124 Microsoft.SharePoint.Client.User

**TypeId:** {AE70D2A4-EC46-4ED9-9B1E-9D0245754463}

**ShortName:** SP.User

Represents a user.

#### 3.2.5.124.1 Properties

##### 3.2.5.124.1.1 Scalar Properties

##### 3.2.5.124.1.1.1 Email

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the e-mail address of the user.

It MUST NOT be NULL. Its length MUST be equal to or less than 255.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPException	The property is read when either the user object was not successfully initialized or the user could not be found.
-1	Microsoft.SharePoint.SPException	The property is set when either the user object was not successfully initialized or the user could not be found.

### 3.2.5.124.1.1.2 Id

**Type:** CSOM Int32

**Accessibility:** Read Only

Returns the member identifier of the user. See Microsoft.SharePoint.Client.Principal.Id, specified in section [3.2.5.100.1.1.1](#).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPException	The user object was not successfully initialized or the user could not be found.

### 3.2.5.124.1.1.3 LoginName

**Type:** CSOM String

**Accessibility:** Read Only

Returns the login name of the user.

Its length MUST be equal to or less than 251.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPException	The user object was not successfully initialized or the user could not be found.

### 3.2.5.124.1.1.4 PrincipalType

**Type:** Microsoft.SharePoint.Client.Utilities.PrincipalType

**Accessibility:** Read Only

Specifies the type of principal (1) represented by this object.

If the user is a domain group this MUST be **PrincipalType.SecurityGroup**. Otherwise it MUST be **PrincipalType.User**.

### 3.2.5.124.1.1.5 Title

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the display name of the user.

It MUST NOT be empty. Its length MUST be equal to or less than 255.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPException	The property is read when either the user object was not successfully initialized or the user could not be found.
-1	Microsoft.SharePoint.SPException	The property is set when either the user object was not successfully initialized or the user could not be found.

### 3.2.5.124.1.2 ObjectPath Properties

None.

### 3.2.5.124.2 Methods

#### 3.2.5.124.2.1 Scalar Methods

##### 3.2.5.124.2.1.1 Update

**Return Type:** None

Updates the user with changes that have been made to the user properties.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130575169	Microsoft.SharePoint.SPDuplicateValuesFoundException	Duplicate value was found for one or more user properties.
- 2130575338	Microsoft.SharePoint.SPException	User does not exist.
- 2130575163	Microsoft.SharePoint.SPListDataValidationException	Validation failed for a field in the list item corresponding to the user in the user information list.
- 2130575162	Microsoft.SharePoint.SPListDataValidationException	Validation failed for the list item corresponding to the user in the user information list.
- 2130575161	Microsoft.SharePoint.SPListDataValidationException	Validation failed for both the list item and a field in the list item corresponding to the user in the user information list.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.124.2.2 ObjectPath Methods

None.

### 3.2.5.125 Microsoft.SharePoint.Client.UserCollection

**TypeId:** {E090781E-8899-4672-9B3D-A78F49FAD19D}

**ShortName:** SP.UserCollection

Represents a collection of user objects.

#### 3.2.5.125.1 Properties

##### 3.2.5.125.1.1 Scalar Properties

None.

##### 3.2.5.125.1.2 ObjectPath Properties

None.

#### 3.2.5.125.2 Methods

##### 3.2.5.125.2.1 Scalar Methods

###### 3.2.5.125.2.1.1 Remove

**Return Type:** None

Removes the user specified by the parameter from the collection.

**Parameters:**

*user*: A user to remove from the collection

Type: Microsoft.SharePoint.Client.User

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	User cannot be found, or cannot modify the <b>UserCollection</b>
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.125.2.2 ObjectPath Methods

###### 3.2.5.125.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.User

Adds the user specified by the user creation information parameter to the collection.

**Parameters:**

*parameters*: An object containing information about the user to be added.

Type: Microsoft.SharePoint.Client.UserCreationInformation

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-2130575276	Microsoft.SharePoint.SPException	The user does not exist or is not unique.
-1	Microsoft.SharePoint.SPException	The collection is read-only
-1	System.Security.SecurityException	The collection is the farm administrators group and the specified user is not a computer administrator.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.125.2.2.2 AddUser

**Return Type:** Microsoft.SharePoint.Client.User

Adds the user specified by the user parameter to the collection and returns a reference to the added SP.User.

**Parameters:**

*user*: A user to add

Type: Microsoft.SharePoint.Client.User

**Exceptions:**

Error Code	Error Type Name	Condition
-2130575276	Microsoft.SharePoint.SPException	The user does not exist or is not unique.
-1	Microsoft.SharePoint.SPException	The collection is read-only
-1	System.Security.SecurityException	The collection is the farm administrators group and the specified user is not a computer administrator.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.125.2.2.3 GetByEmail

**Return Type:** Microsoft.SharePoint.Client.User

Returns the user with the specified e-mail address.

**Parameters:**

*emailAddress*: A string that contains the e-mail address of the user.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 255.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	User cannot be found.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.125.2.2.4 GetById

**Return Type:** Microsoft.SharePoint.Client.User

Returns the user with the specified member identifier.

**Parameters:**

*id*: A 32-bit integer that specifies the member identifier.

Type: CSOM Int32

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	User cannot be found.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.125.2.2.5 GetByLoginName

**Return Type:** Microsoft.SharePoint.Client.User

Returns the user with the specified login name.

**Parameters:**

*loginName*: A string that contains the login name of the user.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 251.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	User cannot be found.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.



### 3.2.5.126 Microsoft.SharePoint.Client.UserCreationInformation

**TypeId:** {6ECD8AF6-BED3-4A74-BE76-1EC981B350E1}

**ShortName:** SP.UserCreationInformation

Contains properties that are used as parameters to initialize a user.

#### 3.2.5.126.1 Properties

##### 3.2.5.126.1.1 Scalar Properties

###### 3.2.5.126.1.1.1 Email

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the e-mail address for the user to be created.

Its length MUST be equal to or less than 255.

###### 3.2.5.126.1.1.2 LoginName

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the login name for the user to be created.

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 251.

###### 3.2.5.126.1.1.3 Title

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the display name for the user to be created.

Its length MUST be equal to or less than 255.

##### 3.2.5.126.1.2 ObjectPath Properties

None.

### 3.2.5.127 Microsoft.SharePoint.Client.UserCustomAction

**TypeId:** {232F8709-5DFD-44CF-A35B-7D8538C9336E}

**ShortName:** SP.UserCustomAction

Specifies a **custom action**.

### 3.2.5.127.1 Properties

#### 3.2.5.127.1.1 Scalar Properties

##### 3.2.5.127.1.1.1 CommandUIExtension

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies an implementation-specific XML fragment that determines user interface properties of the custom action.

It MUST be an XML fragment.

##### 3.2.5.127.1.1.2 Description

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description for the custom action.

##### 3.2.5.127.1.1.3 Group

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies an implementation-specific value that determines the position of the custom action on the page.

##### 3.2.5.127.1.1.4 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the identifier of the custom action.

##### 3.2.5.127.1.1.5 ImageUrl

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the URI for the icon of the custom action.

It MUST be **NULL**, a server-relative URL, or an absolute URL.

##### 3.2.5.127.1.1.6 Location

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies an implementation-specific value that determines which pages display the custom action.

### 3.2.5.127.1.1.7 Name

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of the custom action.

### 3.2.5.127.1.1.8 RegistrationId

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the identifier of the object associated with the custom action. It MUST be a list identifier or list template if *RegistrationType* is

**Microsoft.SharePoint.Client.UserCustomActionRegistrationType.List**. It MUST be a content type identifier if *RegistrationType* is

**Microsoft.SharePoint.Client.UserCustomActionRegistrationType.ContentType**. It MUST be a **ProgID** if *RegistrationType* is

**Microsoft.SharePoint.Client.UserCustomActionRegistrationType.ProgId**. It MUST be a **file extension** if *RegistrationType* is

**Microsoft.SharePoint.Client.UserCustomActionRegistrationType.FileType**.

### 3.2.5.127.1.1.9 RegistrationType

**Type:** Microsoft.SharePoint.Client.UserCustomActionRegistrationType

**Accessibility:** Read/Write

Specifies the type of object associated with the custom action. It MUST be a **List** if the *RegistrationId* is a list identifier or list template. It MUST be **ContentType** if the *RegistrationId* is a content type identifier. It MUST be ProgID if the *RegistrationId* is a ProgID. It MUST be FileType if the *RegistrationId* is a file extension.

### 3.2.5.127.1.1.10 Rights

**Type:** Microsoft.SharePoint.Client.BasePermissions

**Accessibility:** Read/Write

Specifies the permissions needed for the custom action.

It MUST NOT be NULL.

### 3.2.5.127.1.1.11 Scope

**Type:** Microsoft.SharePoint.Client.UserCustomActionScope

**Accessibility:** Read Only

Specifies the scope of the custom action.

### 3.2.5.127.1.1.12 ScriptBlock

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the [\[ECMA-262\]](#) script to be executed when the custom action is performed. It MUST be **NULL** if *Location* is not "ScriptLink".

### 3.2.5.127.1.1.13 ScriptSrc

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the URI of a file which contains the [\[ECMA-262\]](#) script to execute on the page. It MUST be **NULL** if *Location* is not "ScriptLink".

It MUST be NULL, or a server-relative URL.

### 3.2.5.127.1.1.14 Sequence

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies an implementation-specific value that determines the order of the custom action that appears on the page.

Its value MUST be equal to or greater than 0. Its value MUST be equal to or less than 65536.

### 3.2.5.127.1.1.15 Title

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the display name for the custom action.

### 3.2.5.127.1.1.16 Url

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the URI to navigate to when the custom action is called.

It MUST be NULL or a URI. If it is a URL, it MUST be a server-relative URL.

### 3.2.5.127.1.1.17 VersionOfUserCustomAction

**Type:** CSOM String

**Accessibility:** Read Only

Specifies an implementation specific version identifier.

It MUST NOT be NULL.

### 3.2.5.127.1.2 ObjectPath Properties

None.

### 3.2.5.127.2 Methods

#### 3.2.5.127.2.1 Scalar Methods

##### 3.2.5.127.2.1.1 DeleteObject

**Return Type:** None

Deletes the custom action.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Custom action does not exist.
- 2130575305	Microsoft.SharePoint.SPException	Custom action was modified on the server so changes cannot be committed.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.127.2.1.2 Update

**Return Type:** None

Commits changed properties of custom action.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024684	Microsoft.SharePoint.SPException	Site (2) is locked.
- 2147023080	Microsoft.SharePoint.SPException	Site (2) quota has been reached.
- 2146232832	Microsoft.SharePoint.SPException	Custom action does not exist.
- 2130575305	Microsoft.SharePoint.SPException	Custom action was modified on the server so changes cannot be committed.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.127.2.2 ObjectPath Methods

None.

### 3.2.5.128 Microsoft.SharePoint.Client.UserCustomActionCollection

**TypeId:** {70D1CB2D-D304-4D96-9B54-74B3F400FA28}

**ShortName:** SP.UserCustomActionCollection

Specifies a collection of custom actions.

#### 3.2.5.128.1 Properties

##### 3.2.5.128.1.1 Scalar Properties

None.

##### 3.2.5.128.1.2 ObjectPath Properties

None.

#### 3.2.5.128.2 Methods

##### 3.2.5.128.2.1 Scalar Methods

###### 3.2.5.128.2.1.1 Clear

**Return Type:** None

Deletes all custom actions in the collection.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Custom action does not exist.
- 2130575305	Microsoft.SharePoint.SPException	Custom action was modified on the server so changes cannot be committed.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.128.2.2 ObjectPath Methods

###### 3.2.5.128.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.UserCustomAction

Adds a custom action to the collection.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.128.2.2.2 GetById

**Return Type:** Microsoft.SharePoint.Client.UserCustomAction

Returns the custom action with the specified identifier. It MUST return **NULL** if no custom action corresponds to the specified identifier.

**Parameters:**

*userCustomActionId*: Specifies the identifier of the custom action.

Type: CSOM GUID

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Collection has been modified on the protocol server.

### 3.2.5.129 Microsoft.SharePoint.Client.UserCustomActionRegistrationType

**ShortName:** SP.UserCustomActionRegistrationType

**Flag:** false

Specifies the type of object associated with the custom action.

#### 3.2.5.129.1 Field Values

##### 3.2.5.129.1.1 None

**Value:** 0

Specifies that the object association is not specified.

##### 3.2.5.129.1.2 List

**Value:** 1

Specifies that the custom action is associated with a list (1).

##### 3.2.5.129.1.3 ContentType

**Value:** 2

Specifies that the custom action is associated with a content type.

#### **3.2.5.129.1.4 ProgId**

**Value:** 3

Specifies that the custom action is associated with a ProgID.

#### **3.2.5.129.1.5 FileType**

**Value:** 4

Specifies that the custom action is associated with a file extension.

#### **3.2.5.130 Microsoft.SharePoint.Client.UserCustomActionScope**

**ShortName:** SP.UserCustomActionScope

**Flag:** false

Specifies the scope of the custom action.

##### **3.2.5.130.1 Field Values**

###### **3.2.5.130.1.1 Unknown**

**Value:** 0

Specifies that the scope of the custom action is not specified.

###### **3.2.5.130.1.2 Site**

**Value:** 2

Specifies that the scope of the custom action is limited to a site collection.

###### **3.2.5.130.1.3 Web**

**Value:** 3

Specifies that the scope of the custom action is limited to a site (2).

###### **3.2.5.130.1.4 List**

**Value:** 4

Specifies that the scope of the custom action is limited to a list (1).

#### **3.2.5.131 Microsoft.SharePoint.Client.Utilities.DateTimeFormat**

**ShortName:** SP.Utilities.DateTimeFormat

**Flag:** false

Specifies the date and time format.



### **3.2.5.131.1 Field Values**

#### **3.2.5.131.1.1 DateTime**

**Value:** 0

Specifies that both date and time are included.

#### **3.2.5.131.1.2 DateOnly**

**Value:** 1

Specifies that only the date is included.

#### **3.2.5.131.1.3 TimeOnly**

**Value:** 2

Specifies that only time is included.

#### **3.2.5.131.1.4 ISO8601**

**Value:** 3

Specifies that the format is [\[ISO-8601\]](#) time format YYYY-MM-DDTHH:MM:SSZ.

#### **3.2.5.131.1.5 MonthDayOnly**

**Value:** 4

Specifies that only the month and day are included.

#### **3.2.5.131.1.6 MonthYearOnly**

**Value:** 5

Specifies that only the month and year are included.

### **3.2.5.132 Microsoft.SharePoint.Client.Utilities.IconSize**

**ShortName:** SP.Utilities.IconSize

**Flag:** false

Specifies the icon size.

#### **3.2.5.132.1 Field Values**

##### **3.2.5.132.1.1 Size16**

**Value:** 0

Specifies the icon size to be 16 x 16 pixels.

### 3.2.5.132.1.2 Size32

**Value:** 1

Specifies the icon size to be 32 x 32 pixels.

### 3.2.5.133 Microsoft.SharePoint.Client.Utilities.PrincipalInfo

**TypeId:** {C88E4D2E-768D-4065-9DA4-D2880E08733E}

**ShortName:** SP.Utilities.PrincipalInfo

Provides access to information about a principal (1).

#### 3.2.5.133.1 Properties

##### 3.2.5.133.1.1 Scalar Properties

###### 3.2.5.133.1.1.1 Department

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the department name of the principal (1).

###### 3.2.5.133.1.1.2 DisplayName

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the display name of the principal (1).

###### 3.2.5.133.1.1.3 Email

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the e-mail address of the principal (1).

###### 3.2.5.133.1.1.4 JobTitle

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the job title of the principal (1).

###### 3.2.5.133.1.1.5 LoginName

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the login name of the principal (1).

#### **3.2.5.133.1.1.6 Mobile**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the number of a **mobile device** of the principal (1).

#### **3.2.5.133.1.1.7 PrincipalId**

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies an identifier for the principal (1). It MUST be -1 if the principal (1) does not belong to the current Site (2).

#### **3.2.5.133.1.1.8 PrincipalType**

**Type:** Microsoft.SharePoint.Client.Utilities.PrincipalType

**Accessibility:** Read Only

Specifies the type of principal (1).

It MUST NOT be a combination of more than one member of the **PrincipalType** enumeration. It MUST NOT be PrincipalType.All.

#### **3.2.5.133.1.1.9 SIPAddress**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the **Session Initiation Protocol (SIP)** address of the principal (1).

#### **3.2.5.133.1.2 ObjectPath Properties**

None.

### **3.2.5.134 Microsoft.SharePoint.Client.Utilities.PrincipalSource**

**ShortName:** SP.Utilities.PrincipalSource

**Flag:** true

Specifies the source of a principal (1).

#### **3.2.5.134.1 Field Values**

##### **3.2.5.134.1.1 None**

**Value:** 0

Specifies no principal (1) source.

#### **3.2.5.134.1.2 UserInfoList**

**Value:** 1

Specifies user information list as the principal (1) source.

#### **3.2.5.134.1.3 Windows**

**Value:** 2

Specifies **Active Directory** as the principal (1) source.

#### **3.2.5.134.1.4 MembershipProvider**

**Value:** 4

Specifies the current membership provider as the principal (1) source.

#### **3.2.5.134.1.5 RoleProvider**

**Value:** 8

Specifies the current role provider as the principal (1) source.

#### **3.2.5.134.1.6 All**

**Value:** 15

Specifies all principal (1) sources.

### **3.2.5.135 Microsoft.SharePoint.Client.Utilities.PrincipalType**

**ShortName:** SP.Utilities.PrincipalType

**Flag:** true

Specifies the type of a principal (1).

#### **3.2.5.135.1 Field Values**

##### **3.2.5.135.1.1 None**

**Value:** 0

Specifies no principal (1) type.

##### **3.2.5.135.1.2 User**

**Value:** 1

Specifies a user as the principal (1) type.

### 3.2.5.135.1.3 DistributionList

**Value:** 2

Specifies a **distribution list** as the principal (1) type.

### 3.2.5.135.1.4 SecurityGroup

**Value:** 4

Specifies a **security group** as the principal (1) type.

### 3.2.5.135.1.5 SharePointGroup

**Value:** 8

Specifies a group (2) as the principal (1) type.

### 3.2.5.135.1.6 All

**Value:** 15

Specifies all principal (1) types.

## 3.2.5.136 Microsoft.SharePoint.Client.Utilities.Utility

**TypeId:** {16F43E7E-BF35-475D-B677-9DC61E549339}

**ShortName:** SP.Utilities.Utility

Provides tools for converting date and time formats, for obtaining information from user names, for modifying access to sites, and for various other tasks in managing deployment. All methods in SP.Utilities.Utility are static.

### 3.2.5.136.1 Properties

#### 3.2.5.136.1.1 Scalar Properties

None.

#### 3.2.5.136.1.2 ObjectPath Properties

None.

### 3.2.5.136.2 Methods

#### 3.2.5.136.2.1 Scalar Methods

##### 3.2.5.136.2.1.1 CreateEmailBodyForInvitation

**Return Type:** CSOM String

Creates the contents of the e-mail message used to invite users to a document or resource in a site (2).

**Parameters:**

*pageAddress*: Specifies part of the display name for the document or resource.

Type: CSOM String

**3.2.5.136.2.1.2 FormatDateTime**

**Return Type:** CSOM String

Returns a string representation of a **DateTime** value based on the **regional settings** of the site (2) and current user.

**Parameters:**

*web*: Specifies the site (2) to be used when formatting the value

Type: Microsoft.SharePoint.Client.Web

It MUST NOT be NULL.

*datetime*: Specifies the value to be formatted.

Type: CSOM DateTime

*format*: Specifies the date and time format of the result.

Type: Microsoft.SharePoint.Client.Utilities.DateTimeFormat

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146233086	System.ArgumentOutOfRangeException	Specified <b>DateTime</b> value contains an invalid year.

**3.2.5.136.2.1.3 GetCurrentUserEmailAddresses**

**Return Type:** CSOM String

Returns the e-mail address and mobile e-mail address of the current user. When no mobile e-mail address is specified, returns only the e-mail address. Otherwise, returns the e-mail address and mobile e-mail address separated by a semi-colon.

**Parameters:** None

**3.2.5.136.2.1.4 ResolvePrincipal**

**Return Type:** Microsoft.SharePoint.Client.Utilities.PrincipalInfo

Returns information about a principal (1) that matches the specified search criteria. If no matches are found, the protocol server MUST return **NULL**.

**Parameters:**

*web*: Specifies the site (2) to be used when searching for a principal (1).

Type: Microsoft.SharePoint.Client.Web

It MUST NOT be NULL.

*input*: Specifies the value to be used when searching for a principal (1).

Type: CSOM String

If this is not the display name, e-mail address, or login name of a principal (1), the server MUST return **NULL**.

Its length MUST be equal to or less than 255.

*scopes*: Specifies the type to be used when searching for a principal (1).

Type: Microsoft.SharePoint.Client.Utilities.PrincipalType

*sources*: Specifies the source to be used when searching for a principal (1).

Type: Microsoft.SharePoint.Client.Utilities.PrincipalSource

*usersContainer*: Specifies the collection of users to be used when searching for a principal (1).

Type: Microsoft.SharePoint.Client.UserCollection

*inputIsEmailOnly*: Specifies whether only the e-mail address will be used when searching for a principal (1).

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.136.2.1.5 SearchPrincipals

**Return Type:** CSOM Array

Returns the collection of principals (1) that partially or uniquely match the specified search criteria.

**Parameters:**

*web*: Specifies the site (2) to be used when searching for a principal (1).

Type: Microsoft.SharePoint.Client.Web

It MUST NOT be NULL.

*input*: Specifies the value to be used when searching for a principal (1).

Type: CSOM String

If this is not the display name, e-mail address, or login name of a principal (1), the server MUST return NULL.

It MUST NOT be NULL. Its length MUST be equal to or less than 255.

*scopes*: Specifies the type to be used when searching for a principal (1).

Type: Microsoft.SharePoint.Client.Utilities.PrincipalType

*sources*: Specifies the source to be used when searching for a principal (1).

Type: Microsoft.SharePoint.Client.Utilities.PrincipalSource

*usersContainer*: Specifies the collection of users to be used when searching for a principal (1).

Type: Microsoft.SharePoint.Client.UserCollection

*maxCount*: Specifies the maximum number of principals (1) to be returned in the list.

Type: CSOM Int32

If the value is equal to or less than 0, the server MUST return an empty collection.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.136.2.2 ObjectPath Methods

#### 3.2.5.136.2.2.1 CreateNewDiscussion

**Return Type:** Microsoft.SharePoint.Client.ListItem

Creates a new top-level discussion item for a discussion board and returns the corresponding list item.

**Parameters:**

*list*: Specifies the discussion board that will contain the new discussion item.

Type: Microsoft.SharePoint.Client.List

It MUST NOT be NULL.

*title*: Specifies the value of the **Title** field of the new discussion item.

Type: CSOM String

Its length MUST be equal to or less than 255.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	Specified list (1) is not a discussion board.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.



### 3.2.5.136.2.2.2 CreateNewDiscussionReply

**Return Type:** Microsoft.SharePoint.Client.ListItem

Creates a new discussion item representing a reply to an existing discussion item in a discussion board and returns the corresponding list item.

**Parameters:**

*parent*: Specifies the parent discussion item of the new discussion item.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	The parent parameter is not a valid discussion item.
- 2147467261	System.ArgumentNullException	The parent discussion item does not exist in a valid context.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.137 Microsoft.SharePoint.Client.View

**TypeId:** {2399F45D-1784-4965-9A5F-A3415790A0D0}

**ShortName:** SP.View

Specifies a list view.

#### 3.2.5.137.1 Properties

##### 3.2.5.137.1.1 Scalar Properties

###### 3.2.5.137.1.1.1 Aggregations

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies fields (2) and functions that define totals shown in a list view.

It MUST be NULL or an XML fragment that conforms to the following XML Schema: <xs:sequence><xs:element name="FieldRef" type="FieldRefDefinitionAggregation" minOccurs="0" maxOccurs="unbounded" /></xs:sequence> where FieldRefDefinitionAggregation is specified in [\[MS-WSSCAML\]](#) section 2.3.2.2.

###### 3.2.5.137.1.1.2 AggregationsStatus

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies whether totals are shown in the list view. It MUST be **NULL** if *Aggregations* is NULL, otherwise it MUST be "On" or "Off."

It MUST be **NULL** If *Aggregations* is **NULL**; otherwise it MUST be "On" or "Off."

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	Value is changed, and <i>Aggregations</i> is <b>NULL</b> .

### 3.2.5.137.1.1.3 BaseViewId

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the **base view identifier** of the list view.

It MUST be an integer encoded as a string. Its value MUST be equal to or greater than 0. Its value MUST be equal to or less than 255.

### 3.2.5.137.1.1.4 ContentTypeId

**Type:** Microsoft.SharePoint.Client.ContentTypeId

**Accessibility:** Read/Write

Specifies the identifier of the content type with which the view is associated.

### 3.2.5.137.1.1.5 DefaultView

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the list view is the **default list view**.

### 3.2.5.137.1.1.6 DefaultViewForContentType

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the list view is the default list view for the content type specified by *ContentTypeId*.

### 3.2.5.137.1.1.7 EditorModified

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the list view was modified in an editor.

### 3.2.5.137.1.1.8 Formats

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the column and row formatting for the list view.

It MUST be **NULL** or an XML fragment that conforms to ViewFormatDefinitions as specified in [\[MS-WSSCAML\]](#) section 2.3.2.21.

### 3.2.5.137.1.1.9 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the list view is hidden.

### 3.2.5.137.1.1.10 HtmlSchemaXml

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the XML document that represents the list view.

It MUST NOT be NULL. It MUST be exactly one XML fragment conforming to ViewDefinitions as specified in [\[MS-WSSCAML\]](#) section 2.3.2.16.

#### Exceptions:

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.137.1.1.11 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the view identifier of the list view.

It MUST NOT be an empty GUID.

### 3.2.5.137.1.1.12 ImageUrl

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the URI (Uniform Resource Identifier) of the image for the list view.

It MUST be a server-relative URL or an absolute URL.

### 3.2.5.137.1.1.13 IncludeRootFolder

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the current folder is displayed in the list view.

### 3.2.5.137.1.1.14 Method

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the view method for the list view.

It MUST be NULL or an XML document where the **root element** is a valid Method XML fragment as specified in [\[MS-WSSCAP\]](#) section 2.2.5.2.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	<Method> or <Filter> element has an empty <b>Name</b> attribute.

### 3.2.5.137.1.1.15 MobileDefaultView

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the list view is the **default mobile list view**.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	List view is a personal view, or <i>ViewType</i> is not "HTML", "CALENDAR", or "RECURRENCE".

### 3.2.5.137.1.1.16 MobileView

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the list view is a **mobile list view**.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	List view is a personal view, or <i>ViewType</i> is not "HTML", "CALENDAR", or "RECURRENCE".

### 3.2.5.137.1.1.17 ModerationType

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the content approval type for the list view.

It MUST be one of the following: **NULL**, "", "Moderator", "Contributor", or "HideUnapproved".

### 3.2.5.137.1.1.18 OrderedView

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether list items can be reordered in the list view.

### 3.2.5.137.1.1.19 Paged

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the list view is a **paged view**.

### 3.2.5.137.1.1.20 PersonalView

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the list view is a personal view. If the value is **FALSE**, the list (1) view is a public view.

### 3.2.5.137.1.1.21 ReadOnlyView

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the list view is read-only.

### 3.2.5.137.1.1.22 RequiresClientIntegration

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the list view requires client integration rights.

### 3.2.5.137.1.1.23 RowLimit

**Type:** CSOM UInt32

**Accessibility:** Read/Write

Specifies the maximum number of list items to display in a visual page of the list view.

Its value MUST be equal to or less than 2147483647.

#### **3.2.5.137.1.1.24 Scope**

**Type:** Microsoft.SharePoint.Client.ViewScope

**Accessibility:** Read/Write

Specifies the scope for the list view.

#### **3.2.5.137.1.1.25 ServerRelativeUrl**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the server-relative URL of the **list view page**.

It MUST NOT be NULL. It MUST NOT be empty. It MUST be a URL of server-relative form.

#### **3.2.5.137.1.1.26 StyleId**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the identifier of the **view style** for the list view.

It MUST be NULL or conform to ViewStyleReference as specified in [\[MS-WSSCAML\]](#) section 2.3.2.20.

#### **3.2.5.137.1.1.27 Threaded**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the list view is a threaded view.

#### **3.2.5.137.1.1.28 Title**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the display name of the list view.

It MUST NOT be NULL. Its length MUST be equal to or less than 255.

#### **3.2.5.137.1.1.29 Toolbar**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the **toolbar** for the list view.

It MUST be **NULL** or conform to the following XML Schema

```
(2):<xs:complexType><xs:sequence><xs:any minOccurs="0" maxOccurs="unbounded"
namespace="##any" processContents="skip"/></xs:sequence><xs:anyAttribute
processContents="skip"/></xs:complexType>
```

### 3.2.5.137.1.1.30 ToolbarTemplateName

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the name of the template for the toolbar that is used in the list view, specified in [\[MS-WSSCAML\]](#) section 2.3.2.17.2.

### 3.2.5.137.1.1.31 ViewData

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies a reference to the field that is used to render the Calendar View or Gantt view. If the view is a Calendar View or Gantt View, this section MUST be specified. For other view types, it MUST be ignored.

It MUST be **NULL** or an XML fragment that conforms to the following XML

Schema:<xs:sequence><xs:element name="FieldRef" type="FieldRefDefinitionViewData" minOccurs="3" maxOccurs="5"/></xs:sequence>where **FieldRefDefinitionViewData** is specified in [\[MS-WSSCAML\]](#) section 2.3.2.18.

### 3.2.5.137.1.1.32 ViewJoins

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the joins that are used in the list view.

It MUST be **NULL** or an XML fragment that conforms to **ListJoinsDefinition** as specified in [\[MS-WSSCAML\]](#) section 2.2.2.21.

### 3.2.5.137.1.1.33 ViewProjectedFields

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the dependent lookup field that will be used by the list view.

It MUST be **NULL** or an XML fragment that conforms to **ProjectedFieldsDefinition** as specified in [\[MS-WSSCAML\]](#) section 2.2.2.19.

### 3.2.5.137.1.1.34 ViewQuery

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the query that is used by the list view.

It MUST be NULL or a valid XML fragment that conforms to **CamlQueryRoot** as specified in [\[MS-WSSCAML\]](#) section 2.2.2.1.

### 3.2.5.137.1.1.35 ViewType

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the type of the list view.

It MUST be one of the following: "HTML", "GRID", "CALENDAR", "RECURRENCE", "CHART", or "GANTT".

### 3.2.5.137.1.2 ObjectPath Properties

#### 3.2.5.137.1.2.1 ViewFields

**Type:** Microsoft.SharePoint.Client.ViewFieldCollection

**Accessibility:** Read Only

Specifies the collection of fields (2) in the list view.

It MUST NOT be NULL.

### 3.2.5.137.2 Methods

#### 3.2.5.137.2.1 Scalar Methods

##### 3.2.5.137.2.1.1 DeleteObject

**Return Type:** None

Deletes the list view.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2130575320	Microsoft.SharePoint.SPException	List view does not exist.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.137.2.1.2 RenderAsHtml

**Return Type:** CSOM String

Returns the list view as HTML. It MUST be HTML.

**Parameters:** None



**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

**3.2.5.137.2.1.3 Update****Return Type:** None

Commits changed properties of the list view.

**Parameters:** None**Exceptions:**

Error Code	Error Type Name	Condition
-2147024738	Microsoft.SharePoint.SPException	Page containing the list view is not checked out.
-2147024684	Microsoft.SharePoint.SPException	Updates to the site (2) are not allowed.
-2147023080	Microsoft.SharePoint.SPException	Site collection quota is reached.
-2130575306	Microsoft.SharePoint.SPException	Page containing the list view is currently checked out or locked for editing by another user.
-1	System.InvalidOperationException	List view does not exist.
-2147024893	System.IO.DirectoryNotFoundException	List view does not exist.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

**3.2.5.137.2.2 ObjectPath Methods**

None.

**3.2.5.138 Microsoft.SharePoint.Client.ViewCollection****TypeId:** {03C5D7A9-9541-4482-9919-CA0CCCF565A0}**ShortName:** SP.ViewCollection

Specifies a collection of list views.

**3.2.5.138.1 Properties****3.2.5.138.1.1 Scalar Properties**

None.

### 3.2.5.138.1.2 ObjectPath Properties

None.

### 3.2.5.138.2 Methods

#### 3.2.5.138.2.1 Scalar Methods

None.

#### 3.2.5.138.2.2 ObjectPath Methods

##### 3.2.5.138.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.View

Adds a new list view to the collection.

**Parameters:**

*parameters:* Specifies the new list view.

Type: Microsoft.SharePoint.Client.ViewCreationInformation

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	Field internal name for field (2) is not in the list view.
-1	System.InvalidOperationException	Type of the new list view is not allowed for the list (1).
- 2147024893	System.IO.DirectoryNotFoundException	List (1) does not exist.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

##### 3.2.5.138.2.2.2 GetById

**Return Type:** Microsoft.SharePoint.Client.View

Returns the view with the specified view identifier.

**Parameters:**

*guidId:* The view identifier of the view to return.

Type: CSOM GUID

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	No views in the view collection with the specified view identifier.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.138.2.2.3 GetByTitle

**Return Type:** Microsoft.SharePoint.Client.View

Returns the list view with the specified title. If there is more than one list view with the specified title, the server MUST return one list view.

**Parameters:**

*strTitle*: The title of the view to return.

Type: CSOM String

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	No views in the view collection with the specified title.
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.139 Microsoft.SharePoint.Client.ViewCreationInformation

**TypeId:** {A3547807-7266-42F3-B055-AFA6E840E458}

**ShortName:** SP.ViewCreationInformation

Specifies the properties used to create a new list view.

#### 3.2.5.139.1 Properties

##### 3.2.5.139.1.1 Scalar Properties

###### 3.2.5.139.1.1.1 Paged

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the new list view is a paged view.

###### 3.2.5.139.1.1.2 PersonalView

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the new list view is a personal view. If the value is **FALSE**, the new list view is a public view.

### 3.2.5.139.1.1.3 Query

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the query for the new list view.

It MUST be NULL or a valid XML fragment that conforms to CamlQueryRoot as specified in [\[MS-WSSCAML\]](#) section 2.2.2.1.

### 3.2.5.139.1.1.4 RowLimit

**Type:** CSOM UInt32

**Accessibility:** Read/Write

Specifies the maximum number of list items that the new list view displays on a visual page of the list view.

Its value MUST be equal to or less than 2147483647.

### 3.2.5.139.1.1.5 SetAsDefaultView

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the new list view is the default list view.

### 3.2.5.139.1.1.6 Title

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the display name of the new list view.

Its length MUST be equal to or less than 255.

### 3.2.5.139.1.1.7 ViewFields

**Type:** System.Collections.Specialized.StringCollection

**Accessibility:** Read/Write

Specifies the collection of field internal names for the list (2) fields in the new list view.

### 3.2.5.139.1.1.8 ViewTypeKind

**Type:** Microsoft.SharePoint.Client.ViewType

**Accessibility:** Read/Write

Specifies the type of the new list view.

### 3.2.5.139.1.2 ObjectPath Properties

None.

### 3.2.5.140 Microsoft.SharePoint.Client.ViewFieldCollection

**TypeId:** {AF975F76-8A94-4E6D-8325-BD1E20B7C301}

**ShortName:** SP.ViewFieldCollection

Specifies the collection of fields (2) in a list view.

#### 3.2.5.140.1 Properties

##### 3.2.5.140.1.1 Scalar Properties

###### 3.2.5.140.1.1.1 SchemaXml

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the XML schema that represents the collection.

It MUST NOT be NULL. It MUST be an XML fragment that conforms to the following XML schema:  
`<xs:sequence><xs:element name="FieldRef" type="FieldRefDefinitionView" minOccurs="0" maxOccurs="unbounded" /></xs:sequence>`where **FieldRefDefinitionView** is specified in [\[MS-WSSCAML\]](#) section 2.3.2.19.

###### 3.2.5.140.1.2 ObjectPath Properties

None.

#### 3.2.5.140.2 Methods

##### 3.2.5.140.2.1 Scalar Methods

###### 3.2.5.140.2.1.1 Add

**Return Type:** None

Adds the field (2) with the specified field internal name or display name to the collection.

**Parameters:**

*strField*: Specifies the field internal name or the display name.

Type: CSOM String

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	Field (2) does not exist in the list (1).

### 3.2.5.140.2.1.2 MoveFieldTo

**Return Type:** None

Moves the field (2) with the specified field internal name to the specified position in the collection.

**Parameters:**

*field*: Specifies the field internal name.

Type: CSOM String

It MUST NOT be NULL.

*index*: Specifies the position for the field (2). The first position is 0.

Type: CSOM Int32

Its value MUST be equal to or greater than 0.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Field (2) does not exist in the collection.

### 3.2.5.140.2.1.3 Remove

**Return Type:** None

Removes the field (2) with the specified field internal name from the collection.

**Parameters:**

*strField*: Specifies the field internal name.

Type: CSOM String

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	Field (2) does not exist in the collection.

### 3.2.5.140.2.1.4 RemoveAll

**Return Type:** None

Removes all the fields (2) from the collection.

**Parameters:** None

### **3.2.5.140.2.2 ObjectPath Methods**

None.

### **3.2.5.141 Microsoft.SharePoint.Client.ViewScope**

**ShortName:** SP.ViewScope

**Flag:** false

Specifies the scope for returning list items and list folders in a list view.

#### **3.2.5.141.1 Field Values**

##### **3.2.5.141.1.1 DefaultValue**

**Value:** 0

Specifies that all list items and all list folders in the current list folder are returned in the list view.

##### **3.2.5.141.1.2 Recursive**

**Value:** 1

Specifies that all list items in the list (1) are returned in the list view.

##### **3.2.5.141.1.3 RecursiveAll**

**Value:** 2

Specifies that all list items and all list folders in the list (1) are returned in the list view.

##### **3.2.5.141.1.4 FilesOnly**

**Value:** 3

Specifies that all list items in the current list folder are returned in the list view.

### **3.2.5.142 Microsoft.SharePoint.Client.ViewType**

**ShortName:** SP.ViewType

**Flag:** false

Specifies the type of the list view.

#### **3.2.5.142.1 Field Values**

##### **3.2.5.142.1.1 None**

**Value:** 0

The type of the list view is not specified.

### **3.2.5.142.1.2 Html**

**Value:** 1

Specifies an HTML list view type.

### **3.2.5.142.1.3 Grid**

**Value:** 2048

Specifies a datasheet list view type.

### **3.2.5.142.1.4 Calendar**

**Value:** 524288

Specifies a calendar list view type.

### **3.2.5.142.1.5 Recurrence**

**Value:** 8193

Specifies a list view type that displays recurring events.

### **3.2.5.142.1.6 Chart**

**Value:** 131072

Specifies a chart list view type.

### **3.2.5.142.1.7 Gantt**

**Value:** 67108864

Specifies a Gantt chart list view type.

## **3.2.5.143 Microsoft.SharePoint.Client.Web**

**TypeId:** {A489ADD2-5D3A-4DE8-9445-49259462DCEB}

**ShortName:** SP.Web

Specifies a site (2).

The AllowDesignerForCurrentUser, EffectiveBasePermissions and HasUniqueRoleAssignments properties are not included in the default scalar property set for this type.

### **3.2.5.143.1 Properties**

#### **3.2.5.143.1.1 Scalar Properties**

##### **3.2.5.143.1.1.1 AllowDesignerForCurrentUser**

**Type:** CSOM Boolean

**Accessibility:** Read Only



Specifies whether the current user is allowed to use a designer application to customize this site (2).

#### **3.2.5.143.1.1.2 AllowMasterPageEditingForCurrentUser**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the current user is allowed to edit the master page.

#### **3.2.5.143.1.1.3 AllowRevertFromTemplateForCurrentUser**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the current user is allowed to revert the site (2) to a default site template.

#### **3.2.5.143.1.1.4 AllowRssFeeds**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the site (2) allows RSS feeds.

#### **3.2.5.143.1.1.5 Created**

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies when the site (2) was created.

It MUST NOT be NULL.

#### **3.2.5.143.1.1.6 Description**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description for the site (2).

#### **3.2.5.143.1.1.7 EffectiveBasePermissions**

**Type:** Microsoft.SharePoint.Client.BasePermissions

**Accessibility:** Read Only

Specifies the effective permissions that are assigned to the current user.

It MUST NOT be NULL.

#### **3.2.5.143.1.1.8 HasUniqueRoleAssignments**

**Type:** CSOM Boolean

**Accessibility:** Read Only

See Microsoft.SharePoint.Client.SecurableObject.HasUniqueRoleAssignments (section 3.2.5.100.1.1.1).

### **3.2.5.143.1.1.9 Id**

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the site identifier for the site (2).

### **3.2.5.143.1.1.10 Language**

**Type:** CSOM UInt32

**Accessibility:** Read Only

Specifies the language code identifier (LCID) for the language that is used on the site (2).

### **3.2.5.143.1.1.11 LastItemModifiedDate**

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies when an item was last modified in the site (2).

### **3.2.5.143.1.1.12 QuickLaunchEnabled**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the Quick Launch area is enabled on the site (2).

### **3.2.5.143.1.1.13 RecycleBinEnabled**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the Recycle Bin is enabled.

### **3.2.5.143.1.1.14 ServerRelativeUrl**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the server-relative URL of the site (2).

It MUST NOT be NULL. It MUST NOT contain the following illegal characters:  
[!#\$%'+:<>?\\{|}~]|(//)|(\\.|.)(/|\_)(/wpresources\$)(/wpresources/)It MUST NOT contain any of the reserved URLs (Uniform Resource Locators).

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	Site (2) is a top-level site.

**3.2.5.143.1.1.15 ShowUrlStructureForCurrentUser**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the current user is able to view the file system structure of this site (2).

**3.2.5.143.1.1.16 SyndicationEnabled**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the [RSS 2.0] feeds are enabled on the site (2).

**3.2.5.143.1.1.17 Title**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the title for the site (2).

Its length MUST be equal to or less than 255.

**3.2.5.143.1.1.18 TreeViewEnabled**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the tree view is enabled on the site (2).

**3.2.5.143.1.1.19 UIVersion**

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies which version of the user interface (UI) the site (2) is using this value MUST be a defined SPValidUIVersion value, as specified in the following table:

SPValidUIVersion	Description
3	Specifies the site is using the SharePoint 2007 user interface (UI).
4	Specifies the site is using the SharePoint 2010 user interface (UI).

### 3.2.5.143.1.1.20 **UIVersionConfigurationEnabled**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the settings UI for visual upgrade is shown or hidden.

### 3.2.5.143.1.2 **ObjectPath Properties**

#### 3.2.5.143.1.2.1 **AllProperties**

**Type:** Microsoft.SharePoint.Client.PropertyValues

**Accessibility:** Read Only

Specifies the collection of name/value pairs of all the CSOM expando fields for the site (2).

It MUST NOT be NULL.

#### 3.2.5.143.1.2.2 **AssociatedMemberGroup**

**Type:** Microsoft.SharePoint.Client.Group

**Accessibility:** Read/Write

Specifies the default site (2) group (2) that was created with contribute permissions at the time the site (2) was created.

#### 3.2.5.143.1.2.3 **AssociatedOwnerGroup**

**Type:** Microsoft.SharePoint.Client.Group

**Accessibility:** Read/Write

Specifies the default site (2) group (2) that was created with full control permissions at the time the site (2) was created.

#### 3.2.5.143.1.2.4 **AssociatedVisitorGroup**

**Type:** Microsoft.SharePoint.Client.Group

**Accessibility:** Read/Write

Specifies the default site (2) group (2) that was created with read permissions at the time the site (2) was created.

#### 3.2.5.143.1.2.5 **AvailableContentTypes**

**Type:** Microsoft.SharePoint.Client.ContentTypeCollection

**Accessibility:** Read Only

Specifies the collection of all **site content types** that apply to the current scope, including those of the current site (2), as well as any parent sites.

It MUST NOT be NULL.

### 3.2.5.143.1.2.6 AvailableFields

**Type:** Microsoft.SharePoint.Client.FieldCollection

**Accessibility:** Read Only

Specifies the collection of all fields (2) available for the current scope, including those of the current site (2), as well as any parent sites.

It MUST NOT be NULL.

### 3.2.5.143.1.2.7 ContentType

**Type:** Microsoft.SharePoint.Client.ContentTypeCollection

**Accessibility:** Read Only

Specifies the collection of content types for the site (2).

It MUST NOT be NULL.

### 3.2.5.143.1.2.8 CurrentUser

**Type:** Microsoft.SharePoint.Client.User

**Accessibility:** Read Only

Specifies the current user of the site (2).

It MUST NOT be NULL.

### 3.2.5.143.1.2.9 Features

**Type:** Microsoft.SharePoint.Client.FeatureCollection

**Accessibility:** Read Only

Specifies the collection of features that are currently activated in the site (2).

It MUST NOT be NULL.

### 3.2.5.143.1.2.10 Fields

**Type:** Microsoft.SharePoint.Client.FieldCollection

**Accessibility:** Read Only

Specifies the collection of all the fields (2) in the site (2).

It MUST NOT be NULL.

### 3.2.5.143.1.2.11 Folders

**Type:** Microsoft.SharePoint.Client.FolderCollection

**Accessibility:** Read Only

Specifies the collection of all first-level folders in the site (2).

It MUST NOT be NULL.

#### **3.2.5.143.1.2.12 Lists**

**Type:** Microsoft.SharePoint.Client.ListCollection

**Accessibility:** Read Only

Specifies the collection of lists (1) that are contained in the site (2) available to the current user based on the current user's permissions.

#### **3.2.5.143.1.2.13 ListTemplates**

**Type:** Microsoft.SharePoint.Client.ListTemplateCollection

**Accessibility:** Read Only

Specifies the collection of list templates available for creating lists (1) on the site (2).

#### **3.2.5.143.1.2.14 Navigation**

**Type:** Microsoft.SharePoint.Client.Navigation

**Accessibility:** Read Only

Specifies the navigation structure on the site (2), including the Quick Launch area and the link bar.

#### **3.2.5.143.1.2.15 RoleAssignments**

**Type:** Microsoft.SharePoint.Client.RoleAssignmentCollection

**Accessibility:** Read Only

See Microsoft.SharePoint.Client.SecurableObject.RoleAssignments (section 3.2.5.100.1.2.1).

#### **3.2.5.143.1.2.16 RoleDefinitions**

**Type:** Microsoft.SharePoint.Client.RoleDefinitionCollection

**Accessibility:** Read Only

Specifies the collection of role definitions for the site (2).

#### **3.2.5.143.1.2.17 RootFolder**

**Type:** Microsoft.SharePoint.Client.Folder

**Accessibility:** Read Only

Specifies the root folder for the site (2).

#### **3.2.5.143.1.2.18 SiteGroups**

**Type:** Microsoft.SharePoint.Client.GroupCollection

**Accessibility:** Read Only

Specifies the collection of the **site collection groups** for the site collection that contains the site.

#### **3.2.5.143.1.2.19 SiteUserInfoList**

**Type:** Microsoft.SharePoint.Client.List

**Accessibility:** Read Only

Specifies the user information list for the site collection that contains the site (2).

#### **3.2.5.143.1.2.20 UserCustomActions**

**Type:** Microsoft.SharePoint.Client.UserCustomActionCollection

**Accessibility:** Read Only

Specifies the collection of user custom actions for the site (2).

#### **3.2.5.143.1.2.21 Webs**

**Type:** Microsoft.SharePoint.Client.WebCollection

**Accessibility:** Read Only

Specifies the collection of all child sites for the site (2).

#### **3.2.5.143.1.2.22 WorkflowAssociations**

**Type:** Microsoft.SharePoint.Client.Workflow.WorkflowAssociationCollection

**Accessibility:** Read Only

Specifies the collection of all workflow associations for the site (2).

#### **3.2.5.143.1.2.23 WorkflowTemplates**

**Type:** Microsoft.SharePoint.Client.Workflow.WorkflowTemplateCollection

**Accessibility:** Read Only

Specifies the collection of **workflow templates** associated with the site (2).

### **3.2.5.143.2 Methods**

#### **3.2.5.143.2.1 Scalar Methods**

##### **3.2.5.143.2.1.1 ApplyWebTemplate**

**Return Type:** None

Applies the specified site definition or site template to the site (2) that has no template applied to it.

**Parameters:**

*strWebTemplate*: A string that contains the name of the site definition or the file name of the site template.

Type: CSOM String

### 3.2.5.143.2.1.2 BreakRoleInheritance

**Return Type:** None

See Microsoft.SharePoint.Client.SecurableObject.BreakRoleInheritance (section 3.2.5.100.2.1.1).

**Parameters:**

*copyRoleAssignments*: Specifies whether to copy the role assignments from the parent site. If the value is **FALSE**, the collection of role assignments MUST contain only 1 role assignment containing the current user.

Type: CSOM Boolean

*clearSubscopes*: Specifies whether the role assignments for all sites that inherit from this site (2) MUST be cleared. If the value is **TRUE**, all child sites with the same security scope will also be cleared.

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	This site (2) is a top-level site.
-1	System.InvalidOperationException	There are uncommitted changes on the site (2).

### 3.2.5.143.2.1.3 DeleteObject

**Return Type:** None

Deletes this site (2).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	The current site (2) is the top-level site.

### 3.2.5.143.2.1.4 DoesUserHavePermissions

**Return Type:** CSOM Boolean

Returns whether the current user has the given set of permissions.

**Parameters:**

*permissionMask*: Specifies the set of permissions to verify.

Type: Microsoft.SharePoint.Client.BasePermissions

It MUST NOT be NULL.



### 3.2.5.143.2.1.5 GetWebUrlFromPageUrl

**Return Type:** CSOM String

Returns the URL of the root folder for the site (2) containing the specified URL.

**Parameters:**

*pageFullUrl*: Specifies the URL from which to return the site (2) URL.

Type: CSOM String

It MUST be a URL of absolute form. It MUST start with "http://" or "https://"

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	A site (2) cannot be found at the given URL

### 3.2.5.143.2.1.6 MapToIcon

**Return Type:** CSOM String

Returns the name of the image file for the **icon** that is used to represent the specified file.

**Parameters:**

*fileName*: Specifies the name of the file which is used to determine the image file name.

Type: CSOM String

If a NULL or empty string is passed into this parameter, the protocol server MUST return an empty string.

*progId*: Specifies the ProgID of the application that was used to create the file.

Type: CSOM String

If the value of this parameter is **NULL** or an empty string, the protocol server MUST provide the name of the image file based on the specified *fileName*.

*size*: Specifies the icon size.

Type: Microsoft.SharePoint.Client.Utilities.IconSize

### 3.2.5.143.2.1.7 ResetRoleInheritance

**Return Type:** None

See Microsoft.SharePoint.Client.SecurableObject.ResetRoleInheritance as specified in section [3.2.5.118.2.1.2](#).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2146232832	Microsoft.SharePoint.SPException	This site (2) is a top-level site.
-1	System.InvalidOperationException	There are uncommitted changes on the site (2)

### 3.2.5.143.2.1.8 Update

**Return Type:** None

Commits changes made to properties of this site (2).

**Parameters:** None

### 3.2.5.143.2.2 ObjectPath Methods

#### 3.2.5.143.2.2.1 EnsureUser

**Return Type:** Microsoft.SharePoint.Client.User

If the specified login name belongs to a valid user of the site (2), returns the User object corresponding to that user.

Else, the user is added to the site (2), and returns the User object corresponding to that user.

**Parameters:**

*logonName*: Specifies a string that contains the login name.

Type: CSOM String

#### 3.2.5.143.2.2.2 GetAvailableWebTemplates

**Return Type:** Microsoft.SharePoint.Client.WebTemplateCollection

Returns a collection of site templates available for the site (2).

**Parameters:**

*lcid*: Specifies the LCID of the site templates to be retrieved.

Type: CSOM UInt32

If the specified LCID is not a valid LCID as specified in [\[MS-LCID\]](#), the server MUST return an empty collection.

*doIncludeCrossLanguage*: Specifies whether to include language-neutral site templates.

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.143.2.2.3 GetCatalog

**Return Type:** Microsoft.SharePoint.Client.List

Returns the list template gallery, site template gallery, or Web Part gallery for the site (2).

**Parameters:**

*typeCatalog*: Specifies the type for the gallery

Type: Microsoft.SharePoint.Client.ListTemplateType

The server MUST return **NULL** if there is no gallery with the specified type or *typeCatalog* is not a valid **ListTemplateType** enumeration value as specified in section [3.2.5.93](#).

### 3.2.5.143.2.2.4 GetChanges

**Return Type:** Microsoft.SharePoint.Client.ChangeCollection

Returns the collection of all changes from the change log that have occurred within the scope of the site, based on the specified query.

**Parameters:**

*query*: Specifies which changes to return.

Type: Microsoft.SharePoint.Client.ChangeQuery

It MUST NOT be NULL.

### 3.2.5.143.2.2.5 GetFileByServerRelativeUrl

**Return Type:** Microsoft.SharePoint.Client.File

Returns the file located at the specified server-relative URL.

**Parameters:**

*serverRelativeUrl*: Specifies the server-relative URL for the file.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	<i>serverRelativeUrl</i> does not start with a "/" or <i>serverRelativeUrl</i> does not correspond to a file.

### 3.2.5.143.2.2.6 GetFolderByServerRelativeUrl

**Return Type:** Microsoft.SharePoint.Client.Folder

Returns the folder that is located at the specified URL. The user MUST have permission to browse directories of the site (2) specified by the given URL.

**Parameters:**

*serverRelativeUrl*: Specifies the server-relative URL for the folder.

Type: CSOM String

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	<i>serverRelativeUrl</i> doesn't correspond to a folder

**3.2.5.143.2.2.7 GetSubwebsForCurrentUser**

**Return Type:** Microsoft.SharePoint.Client.WebCollection

Returns the collection of child sites of the current site (2) based on the specified query.

**Parameters:**

*query*: Specifies which child sites to return.

Type: Microsoft.SharePoint.Client.SubwebQuery

If the query is not valid as described in section [3.2.5.120](#), the server MUST return an empty collection.

**3.2.5.144 Microsoft.SharePoint.Client.WebCollection**

**TypeId:** {C197D59E-D070-43BF-AD5E-10D6152E38A6}

**ShortName:** SP.WebCollection

Specifies a collection of sites.

**3.2.5.144.1 Properties****3.2.5.144.1.1 Scalar Properties**

None.

**3.2.5.144.1.2 ObjectPath Properties**

None.

**3.2.5.144.2 Methods****3.2.5.144.2.1 Scalar Methods**

None.

### 3.2.5.144.2.2 ObjectPath Methods

#### 3.2.5.144.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.Web

Creates a new site (2) and adds it to this collection of sites.

**Parameters:**

*parameters*: Specifies the properties of the new site (2).

Type: Microsoft.SharePoint.Client.WebCreationInformation

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024713	Microsoft.SharePoint.SPException	The URL specified in <i>parameters</i> is already in use.

### 3.2.5.145 Microsoft.SharePoint.Client.WebCreationInformation

**TypeId:** {8F9E9FBE-189E-492F-884F-98F9EF9CC4D6}

**ShortName:** SP.WebCreationInformation

Specifies the properties of a new site (2).

#### 3.2.5.145.1 Properties

##### 3.2.5.145.1.1 Scalar Properties

###### 3.2.5.145.1.1.1 Description

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description of the new site (2).

###### 3.2.5.145.1.1.2 Language

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the LCID specifying the language of the new site (2).

It MUST be a valid LCID as specified in [\[MS-LCID\]](#).

###### 3.2.5.145.1.1.3 Title

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the title of the new site (2).

Its length MUST be equal to or less than 255.

#### **3.2.5.145.1.1.4 Url**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the leaf name of the new site (2).

It MUST NOT be NULL. Its length MUST be equal to or less than 128. It MUST NOT contain consecutive "/" or ".". It MUST NOT begin with or end with "/", ".". It MUST NOT contain /wpresources. It MUST NOT contain any of the following characters: ~"#%&\\*:;<>?\\{|}\x7F.

#### **3.2.5.145.1.1.5 UseSamePermissionsAsParentSite**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the new site (2) will inherit permissions from its parent site.

#### **3.2.5.145.1.1.6 WebTemplate**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of the site template to be used for creating the new site (2)

It MUST refer to an existing site template.

#### **3.2.5.145.1.2 ObjectPath Properties**

None.

### **3.2.5.146 Microsoft.SharePoint.Client.WebParts.LimitedWebPartManager**

**TypeId:** {AC641ADE-62DF-49C9-AF8E-ABDA6278E920}

**ShortName:** SP.WebParts.LimitedWebPartManager

Provides operations to access and modify the existing Web Parts on a Web Part Page, and add new ones to the Web Part Page.

#### **3.2.5.146.1 Properties**

##### **3.2.5.146.1.1 Scalar Properties**

##### **3.2.5.146.1.1.1 HasPersonalizedParts**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the Web Part Page contains one or more **personalized Web Parts**.

Its value MUST be **TRUE** if both the personalization scope of the Web Part Page is *User* and the Web Part Page contains one or more personalized Web Parts; otherwise, it MUST be **FALSE**.

### 3.2.5.146.1.1.2 Scope

**Type:** Microsoft.SharePoint.Client.WebParts.PersonalizationScope

**Accessibility:** Read Only

Specifies the current personalization scope of the Web Part Page.

Its value MUST be *User* if personalized data is loaded for the Web Parts on the Web Part Page, or **Shared** if common data for all users is loaded.

### 3.2.5.146.1.2 ObjectPath Properties

#### 3.2.5.146.1.2.1 WebParts

**Type:** Microsoft.SharePoint.Client.WebParts.WebPartDefinitionCollection

**Accessibility:** Read Only

A collection of the Web Parts on the Web Part Page available to the current user based on the current user's permissions.

### 3.2.5.146.2 Methods

#### 3.2.5.146.2.1 Scalar Methods

None.

#### 3.2.5.146.2.2 ObjectPath Methods

##### 3.2.5.146.2.2.1 AddWebPart

**Return Type:** Microsoft.SharePoint.Client.WebParts.WebPartDefinition

Adds a Web Part to the Web Part Page and returns a reference to the newly added Web Part's *SP.WebParts.WebPartDefinition*.

When **Scope** is *User*, the current user MUST have permissions to add and delete personalized Web Parts. When **Scope** is *Shared*, the current user MUST have permissions to customize pages.

**Parameters:**

*webPart*: The Web Part to add to the Web Part Page.

Type: Microsoft.SharePoint.Client.WebParts.WebPart

Use **ImportWebPart** to import a Web Part, and then use **AddWebPart** to add it to the Web Part Page.

It MUST NOT be NULL.

*zoneId*: The name of the **Web Part zone** to which to add the Web Part.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 64.

*zoneIndex*: A **Web Part zone index** that specifies the position at which the Web Part will be inserted within the Web Part zone.

Type: CSOM Int32

The new Web Part MUST be inserted directly before the existing Web Part with the lowest Web Part zone index greater than or equal to **zoneIndex**. If **zoneIndex** is greater than the index of all Web Parts in the zone or there are no Web Parts in the Web Part zone, then the new Web Part MUST be inserted at the end of the Web Part zone.

Its value MUST be equal to or greater than 0.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.146.2.2.2 ImportWebPart

**Return Type:** Microsoft.SharePoint.Client.WebParts.WebPartDefinition

Imports a Web Part from a string in the .dwp format as specified in [\[MS-WPPS\] section 2.2.3.2](#), or the .webpart format as specified in [\[MS-WPPS\] section 2.2.3.3](#). After importing, the Web Part is not added to a Web Part Page. To add a Web Part to a Web Part Page, use **AddWebPart**, supplying the object returned by this method. A reference to the added SP.WebParts.WebPartDefinition is returned.

When **Scope** is **User**, the current user MUST have permissions to add and delete personalized Web Parts. When **Scope** is **Shared**, the current user MUST have permissions to customize pages.

**Parameters:**

*webPartXml*: The Web Part markup to import.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. It MUST be valid XML in the .dwp or .webpart format.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.WebPartPages.WebPartPageUserException	The provided Web Part markup is not in the .dwp or .webpart format.



Error Code	Error Type Name	Condition
- 2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

### 3.2.5.147 Microsoft.SharePoint.Client.WebParts.PersonalizationScope

**ShortName:** SP.WebParts.PersonalizationScope

**Flag:** false

Specifies the personalization scope for the **LimitedWebPartManager** object.

#### 3.2.5.147.1 Field Values

##### 3.2.5.147.1.1 User

**Value:** 0

**Personalization data** that is user-specific, as well as personalization data that applies to all users, is loaded for all Web Parts on a Web Part Page that support personalization data. Only personalization data that is user-specific will be saved on the Web Part Page.

##### 3.2.5.147.1.2 Shared

**Value:** 1

Personalization data that applies to all users is loaded for all Web Parts on a Web Part Page and is available to be saved on the Web Part Page.

### 3.2.5.148 Microsoft.SharePoint.Client.WebParts.WebPart

**TypeId:** {612A6BD9-6C99-43C9-813A-8D7E19702118}

**ShortName:** SP.WebParts.WebPart

Represents a Web Part on a Web Part Page.

#### 3.2.5.148.1 Properties

##### 3.2.5.148.1.1 Scalar Properties

##### 3.2.5.148.1.1.1 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether a Web Part is displayed on a Web Part Page.

If true, the Web Part MUST be hidden. Web Parts that are hidden MUST NOT be displayed on the page to the end user, but SHOULD still participate normally in the rendering of the page. The default value is false.

### 3.2.5.148.1.1.2 IsClosed

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether a Web Part is currently closed on a Web Part Page.

If true, the Web Part is closed. Web Parts that are closed MUST NOT be displayed on the page, and MUST NOT participate normally in the rendering of the page. The default value is false.

To open or close a Web Part, see **WebPartDefinition.OpenWebPart**, as specified in section [3.2.5.149.2.1.4](#), and **WebPartDefinition.CloseWebPart**, as specified in section [3.2.5.149.2.1.1](#).

### 3.2.5.148.1.1.3 Subtitle

**Type:** CSOM String

**Accessibility:** Read Only

Specifies a string that is concatenated with the **Title** property value to form a complete title for a Web Part.

The default value is an empty string ("").

### 3.2.5.148.1.1.4 Title

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the title of a Web Part.

If this property is set to **NULL**, the title of the Web Part MUST instead be reset to its default value if one is specified in the Web Part's definition.

### 3.2.5.148.1.1.5 TitleUrl

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies a URL to the supplemental information about a Web Part.

If this property is set to **NULL**, the title URL of the Web Part MUST instead be reset to its default value if one is specified in the Web Part's definition.

The value of this property SHOULD be a valid URL, but the protocol server MAY accept other strings without validating them.

### 3.2.5.148.1.1.6 ZoneIndex

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the index position of a Web Part within the Web Part zone.

The value is the numerical order of a Web Part within the Web Part zone. The first Web Part in a Web Part zone MUST have an index value of zero.

### 3.2.5.148.1.2 ObjectPath Properties

None.

### 3.2.5.148.2 Methods

#### 3.2.5.148.2.1 Scalar Methods

None.

#### 3.2.5.148.2.2 ObjectPath Methods

None.

### 3.2.5.149 Microsoft.SharePoint.Client.WebParts.WebPartDefinition

**TypeId:** {44BF1024-6127-432A-8E3D-FB317FB4541E}

**ShortName:** SP.WebParts.WebPartDefinition

Represents a Web Part on a Web Part Page. Provides operations for moving, deleting, and changing the state of the Web Part.

#### 3.2.5.149.1 Properties

##### 3.2.5.149.1.1 Scalar Properties

###### 3.2.5.149.1.1.1 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the **Web Part identifier** of the Web Part.

This value MUST be unique for each Web Part.

##### 3.2.5.149.1.2 ObjectPath Properties

###### 3.2.5.149.1.2.1 WebPart

**Type:** Microsoft.SharePoint.Client.WebParts.WebPart

**Accessibility:** Read Only

The **WebPart** object, as specified in section [3.2.5.148](#), associated with this **WebPartDefinition**. The **WebPart** object contains additional properties relating to the Web Part represented by this **WebPartDefinition** object.

Each **WebPartDefinition** object MUST have exactly one **WebPart** object associated with it. There can be multiple **WebPartDefinition** objects with the same value for their **WebPart** property.

## 3.2.5.149.2 Methods

### 3.2.5.149.2.1 Scalar Methods

#### 3.2.5.149.2.1.1 CloseWebPart

**Return Type:** None

Closes the Web Part. If the Web Part is already closed, this method does nothing.

If the current user does not have permissions to modify the Web Part, the server MUST ignore the call to this method.

**Parameters:** None

#### 3.2.5.149.2.1.2 DeleteWebPart

**Return Type:** None

Deletes the Web Part from the page.

When **Scope** is **User**, the current user MUST have permissions to add and delete personalized Web Parts. When **Scope** is **Shared**, the current user MUST have permissions to customize pages.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.WebPartPages.WebPartPageUserException	The current user has insufficient permissions.

#### 3.2.5.149.2.1.3 MoveWebPartTo

**Return Type:** None

Moves the Web Part to a different location on a Web Part Page.

If the current user does not have permissions to modify the Web Part, the server MUST ignore the call to this method.

**Parameters:**

**zoneID:** The name of the Web Part zone to which to move the Web Part.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 64.

**zoneIndex:** A Web Part zone index that specifies the position at which the Web Part is to be moved within the destination Web Part zone.

Type: CSOM Int32

The *zoneIndex* parameter for this method follows the same behavior as the *zoneIndex* parameter for **LimitedWebPartManager.AddWebPart**, as specified in section [3.2.5.146.2.2.1](#).

Its value MUST be equal to or greater than 0.

#### **3.2.5.149.2.1.4 OpenWebPart**

**Return Type:** None

Opens the Web Part. If the Web Part is already open, this method does nothing.

If the current user does not have permissions to modify the Web Part, the protocol server MUST ignore the call to this method.

**Parameters:** None

#### **3.2.5.149.2.1.5 SaveWebPartChanges**

**Return Type:** None

Saves changes to the Web Part made by using other properties and methods on the WebPartDefinition object.

If the current user does not have permissions to modify the Web Part, the protocol server MUST ignore the call to this method.

**Parameters:** None

#### **3.2.5.149.2.2 ObjectPath Methods**

None.

#### **3.2.5.150 Microsoft.SharePoint.Client.WebParts.WebPartDefinitionCollection**

**TypeId:** {01C986B2-57A6-49FB-B8F1-DF159F5B2349}

**ShortName:** SP.WebParts.WebPartDefinitionCollection

Implements a collection of Web Part definition objects.

##### **3.2.5.150.1 Properties**

###### **3.2.5.150.1.1 Scalar Properties**

None.

###### **3.2.5.150.1.2 ObjectPath Properties**

None.

##### **3.2.5.150.2 Methods**

###### **3.2.5.150.2.1 Scalar Methods**

None.

### 3.2.5.150.2.2 ObjectPath Methods

#### 3.2.5.150.2.2.1 GetById

**Return Type:** Microsoft.SharePoint.Client.WebParts.WebPartDefinition

Returns the Web Part definition object in the collection with a Web Part identifier equal to the *id* parameter.

**Parameters:**

*id*: The Web Part identifier of the Web Part definition to retrieve.

Type: CSOM GUID

All **WebPartDefinition** objects MUST have a unique value for their **Id** property.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2146233086	System.ArgumentOutOfRangeException	There is no Web Part definition object in the collection with a Web Part identifier equal to the <i>id</i> parameter.

### 3.2.5.151 Microsoft.SharePoint.Client.WebTemplate

**TypeId:** {2BE10268-4BE1-4B5A-850D-D06B137A9C40}

**ShortName:** SP.WebTemplate

Specifies a site definition or a site template that is used to instantiate a site (2).

#### 3.2.5.151.1 Properties

##### 3.2.5.151.1.1 Scalar Properties

###### 3.2.5.151.1.1.1 Description

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the description for the **site definition configuration** or site template.

###### 3.2.5.151.1.1.2 DisplayCategory

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the display name for the category that this site definition configuration or site template is a part of.

### 3.2.5.151.1.1.3 Id

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the unique identifier for the site definition configuration or the site template.

### 3.2.5.151.1.1.4 ImageUrl

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the URI for the image that is associated with the site definition configuration or site template.

### 3.2.5.151.1.1.5 IsHidden

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the site definition configuration is displayed in the user interface for creating new sites.

### 3.2.5.151.1.1.6 IsRootWebOnly

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the site definition configuration or site template can only be applied to the top-level site in the site collection.

### 3.2.5.151.1.1.7 IsSubWebOnly

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the site definition configuration or site template can only be applied to subsites created within the site collection.

### 3.2.5.151.1.1.8 Lcid

**Type:** CSOM UInt32

**Accessibility:** Read Only

Specifies the LCID for the site definition configuration or site template.

### 3.2.5.151.1.1.9 Name

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the name for the site definition configuration or site template.

#### **3.2.5.151.1.1.10 Title**

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the display name for the site definition configuration or site template.

#### **3.2.5.151.1.2 ObjectPath Properties**

None.

#### **3.2.5.151.2 Methods**

##### **3.2.5.151.2.1 Scalar Methods**

None.

##### **3.2.5.151.2.2 ObjectPath Methods**

None.

#### **3.2.5.152 Microsoft.SharePoint.Client.WebTemplateCollection**

**TypeId:** {15C2ECDA-D49E-4FDA-97C8-C538A203DFB5}

**ShortName:** SP.WebTemplateCollection

Specifies a collection of site templates.

##### **3.2.5.152.1 Properties**

###### **3.2.5.152.1.1 Scalar Properties**

None.

###### **3.2.5.152.1.2 ObjectPath Properties**

None.

##### **3.2.5.152.2 Methods**

###### **3.2.5.152.2.1 Scalar Methods**

None.

###### **3.2.5.152.2.2 ObjectPath Methods**

None.



### 3.2.5.153 Microsoft.SharePoint.Client.Workflow.WorkflowAssociation

**TypeId:** {5B590642-3966-4F67-B937-C1DB8528A1D3}

**ShortName:** SP.Workflow.WorkflowAssociation

Represents the association of a workflow template with a specific list (1) or content type

#### 3.2.5.153.1 Properties

##### 3.2.5.153.1.1 Scalar Properties

###### 3.2.5.153.1.1.1 AllowManual

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether workflow instances based on this workflow association can be started manually. If the **AllowManual** property of the **BaseTemplate** is set to **FALSE**, setting this property will result in no change to its value.

###### 3.2.5.153.1.1.2 AssociationData

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the workflow association data for workflow instances created from this workflow association.

###### 3.2.5.153.1.1.3 AutoStartChange

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether workflow instances will be created from this workflow association and started automatically when a list item is changed. If the **AutoStartChange** property of the **BaseTemplate** for the workflow association is set to **FALSE**, setting this property will result in no change to its value.

###### 3.2.5.153.1.1.4 AutoStartCreate

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether workflow instances will be created from this workflow association and started automatically when a list item is created. If the **AutoStartCreate** property of the **BaseTemplate** for the workflow association is set to **FALSE**, setting this property will result in no change to its value.

###### 3.2.5.153.1.1.5 BaseId

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the identifier of the workflow template on which this workflow association is based.

#### 3.2.5.153.1.1.6 Created

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies the date and time at which this workflow association was created.

#### 3.2.5.153.1.1.7 Description

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description for this workflow association.

#### 3.2.5.153.1.1.8 Enabled

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether new workflow instances will be allowed for this workflow association.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	Value is <b>TRUE</b> and this workflow association is based on a non-declarative workflow template that has been deactivated.

#### 3.2.5.153.1.1.9 HistoryListTitle

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the title of the list (1) to which to log workflow history events for this workflow association.

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 255.

#### 3.2.5.153.1.1.10 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the identifier of the workflow association. Every workflow association MUST return its own GUID for this property.

#### 3.2.5.153.1.1.11 InstantiationUrl

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the URL of the **workflow initiation form** for this workflow association.

#### 3.2.5.153.1.1.12 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the internal name of this workflow association, as determined by the **WorkflowAssociation** implementation.

#### 3.2.5.153.1.1.13 IsDeclarative

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the workflow association represents a declarative workflow.

#### 3.2.5.153.1.1.14 ListId

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the identifier of the list (1) on which this workflow association resides.

#### 3.2.5.153.1.1.15 Modified

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies the date and time at which this workflow association was last modified.

#### 3.2.5.153.1.1.16 Name

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of this workflow association.

#### 3.2.5.153.1.1.17 TaskListTitle

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the title of the list (1) within which workflow tasks will be created for this workflow association.

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 255.

#### 3.2.5.153.1.1.18 WebId

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the identifier of the site (2) on which the workflow association resides.

#### 3.2.5.153.1.2 ObjectPath Properties

None.

#### 3.2.5.153.2 Methods

##### 3.2.5.153.2.1 Scalar Methods

##### 3.2.5.153.2.1.1 DeleteObject

**Return Type:** None

Removes this workflow association from its parent **WorkflowAssociations** collection.

**Parameters:** None

##### 3.2.5.153.2.1.2 Update

**Return Type:** None

Informs this workflow association's parent **WorkflowAssociations** collection that changes have been made to this workflow association.

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	This workflow association would allow manual start by a user without <i>EditListItems</i> permission
-1	System.NotSupportedException	This workflow association is on an external list

##### 3.2.5.153.2.2 ObjectPath Methods

None.

#### 3.2.5.154 Microsoft.SharePoint.Client.Workflow.WorkflowAssociationCollection

**TypeId:** {4E1196EA-CE71-4AA9-B3C0-3F8DA05DEEC9}

**ShortName:** SP.Workflow.WorkflowAssociationCollection

Implements a collection of workflow association objects. Provides operations for listing existing workflow associations and adding new ones.

### 3.2.5.154.1 Properties

#### 3.2.5.154.1.1 Scalar Properties

None.

#### 3.2.5.154.1.2 ObjectPath Properties

None.

### 3.2.5.154.2 Methods

#### 3.2.5.154.2.1 Scalar Methods

None.

#### 3.2.5.154.2.2 ObjectPath Methods

##### 3.2.5.154.2.2.1 Add

**Return Type:** Microsoft.SharePoint.Client.Workflow.WorkflowAssociation

Creates a new workflow association based on properties specified in the **parameters** object, and adds the object representing that workflow association to the collection.

**Parameters:**

*parameters*: An object that specifies the parameters used to create the workflow association.

Type: Microsoft.SharePoint.Client.Workflow.WorkflowAssociationCreationInformation

It MUST NOT be NULL.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	There already exists a workflow association with a name equal to <b>parameters.Name</b> , or <b>parameters.Name</b> is an empty string.
- 2147467261	System.ArgumentNullException	For all workflow associations, the value of either the <b>Name</b> or <b>Template</b> property of the <b>parameters</b> object is NULL. Or, for all workflow associations except those on site content types, the value of one of the following properties of the <i>parameters</i> object is NULL: <i>HistoryList</i> , <i>TaskList</i> . Or, for workflow associations on site content types, the values of one of the following pairs of properties of the <b>parameters</b> object are NULL: <b>History.List</b> and <b>ContentType.Association.History.List.Name</b> , or <b>Task.List</b> and <b>ContentType.Association.Task.List.Name</b> .

### 3.2.5.154.2.2.2 GetById

**Return Type:** Microsoft.SharePoint.Client.Workflow.WorkflowAssociation

Returns the workflow association in the collection with an identifier equal to the *associationId* parameter, or NULL if no such object exists in the collection or *associationId* is an empty GUID.

**Parameters:**

*associationId*: The GUID of the **workflow association** object to retrieve.

Type: CSOM GUID

Each workflow association MUST have a unique GUID.

### 3.2.5.154.2.2.3 GetByName

**Return Type:** Microsoft.SharePoint.Client.Workflow.WorkflowAssociation

Returns the workflow association in the collection with a **Name** property equal to the *name* parameter, or **NULL** if no such object exists in the collection.

**Parameters:**

*name*: The name of the workflow association to retrieve.

Type: CSOM String

All workflow association objects in the collection MUST have unique values for their **Name** property.

## 3.2.5.155

### Microsoft.SharePoint.Client.Workflow.WorkflowAssociationCreationInformation

**TypeId:** {3C812F4F-8465-41CB-B298-BD33B2604A51}

**ShortName:** SP.Workflow.WorkflowAssociationCreationInformation

Specifies properties for a new workflow association.

### 3.2.5.155.1 Properties

#### 3.2.5.155.1.1 Scalar Properties

##### 3.2.5.155.1.1.1 ContentTypeAssociationHistoryListName

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of the workflow history list to be used by a site content type workflow association.

Its value MUST NOT be NULL and MUST NOT be empty if the workflow will be created with a site content type workflow template and the value of **HistoryList** is **NULL**. Its value MUST be ignored for any other type of workflow template.

### 3.2.5.155.1.1.2 ContentTypeAssociationTaskListName

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of the **workflow task list** to be used by a site content type workflow association.

Its value MUST NOT be **NULL** and MUST NOT be empty if the workflow will be created with a site content type workflow template and the value of **TaskList** is **NULL**. Its value MUST be ignored for any other type of workflow template.

### 3.2.5.155.1.1.3 Name

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name to be given to the workflow association.

Its value MUST NOT be **NULL**. Its value MUST NOT be empty. Its value MUST NOT be equal to the name of an existing workflow association that is associated with the same object as the new workflow association.

## 3.2.5.155.1.2 ObjectPath Properties

### 3.2.5.155.1.2.1 HistoryList

**Type:** Microsoft.SharePoint.Client.List

**Accessibility:** Read/Write

Specifies the workflow history list to be used by the workflow association.

Its value MUST NOT be **NULL**, unless the workflow will be based on a site content type workflow template and the value of **Content.Type.Association.History.ListName** is NOT **NULL** and NOT empty.

### 3.2.5.155.1.2.2 TaskList

**Type:** Microsoft.SharePoint.Client.List

**Accessibility:** Read/Write

Specifies the workflow task list to be used by the workflow association.

Its value MUST NOT be **NULL**, unless the workflow will be based on a site content type workflow template and the value of **Content.Type.Association.Task.List.Name** is not **NULL** or empty.

### 3.2.5.155.1.2.3 Template

**Type:** Microsoft.SharePoint.Client.Workflow.WorkflowTemplate

**Accessibility:** Read/Write

Specifies the workflow template to be used in the workflow association.

Its value MUST NOT be **NULL**.

### **3.2.5.156 Microsoft.SharePoint.Client.Workflow.WorkflowTemplate**

**TypeId:** {36DE6DBB-60D6-4131-B47F-E895798E1E93}

**ShortName:** SP.Workflow.WorkflowTemplate

Represents a workflow template currently deployed on the site.

#### **3.2.5.156.1 Properties**

##### **3.2.5.156.1.1 Scalar Properties**

###### **3.2.5.156.1.1.1 AllowManual**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether workflow associations based on this workflow template can be configured to allow workflow instances to be started manually.

###### **3.2.5.156.1.1.2 AssociationUrl**

**Type:** CSOM String

**Accessibility:** Read Only

The site-relative URL of the workflow association form to use with the workflow template. If the workflow template has no workflow association form, the URL MUST return an empty string ("").

It MUST be a URL of relative form.

###### **3.2.5.156.1.1.3 AutoStartChange**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether workflow associations based on this workflow template can be configured to start workflow instances automatically when an item is changed.

###### **3.2.5.156.1.1.4 AutoStartCreate**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether workflow associations based on this workflow template can be configured to start workflow instances automatically when an item is created.

###### **3.2.5.156.1.1.5 Description**

**Type:** CSOM String



**Accessibility:** Read Only

The description for the workflow template.

Its length MUST be equal to or less than 255.

### **3.2.5.156.1.1.6 Id**

**Type:** CSOM GUID

**Accessibility:** Read Only

The workflow template identifier. Every template MUST have its own unique GUID.

### **3.2.5.156.1.1.7 IsDeclarative**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the workflow template represents a declarative workflow.

### **3.2.5.156.1.1.8 Name**

**Type:** CSOM String

**Accessibility:** Read Only

The name of the workflow template. This name is displayed in the user interface when creating new workflow associations of this template

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 255.

### **3.2.5.156.1.1.9 PermissionsManual**

**Type:** Microsoft.SharePoint.Client.BasePermissions

**Accessibility:** Read Only

The permission level required for a user to manually start workflow instances based on the workflow template.

### **3.2.5.156.1.2 ObjectPath Properties**

None.

## **3.2.5.156.2 Methods**

### **3.2.5.156.2.1 Scalar Methods**

None.

### **3.2.5.156.2.2 ObjectPath Methods**

None.

### 3.2.5.157 Microsoft.SharePoint.Client.Workflow.WorkflowTemplateCollection

**TypeId:** {F64CC3D2-888A-43CC-B579-EF32F83338A4}

**ShortName:** SP.Workflow.WorkflowTemplateCollection

The collection of workflow templates deployed on a site (2).

#### 3.2.5.157.1 Properties

##### 3.2.5.157.1.1 Scalar Properties

None.

##### 3.2.5.157.1.2 ObjectPath Properties

None.

#### 3.2.5.157.2 Methods

##### 3.2.5.157.2.1 Scalar Methods

None.

##### 3.2.5.157.2.2 ObjectPath Methods

###### 3.2.5.157.2.2.1 GetById

**Return Type:** Microsoft.SharePoint.Client.Workflow.WorkflowTemplate

Returns a workflow template based on the workflow template identifier.

It MUST return the **WorkflowTemplate** object in the collection with an **Id** property equal to the *templateId* parameter, or null if no such workflow template exists in the collection.

**Parameters:**

*templateId*: The identifier of the WorkflowTemplate to retrieve.

Type: CSOM GUID

###### 3.2.5.157.2.2.2 GetByName

**Return Type:** Microsoft.SharePoint.Client.Workflow.WorkflowTemplate

Returns the workflow template matching the *name* provided.

It MUST return the **WorkflowTemplate** object with **Name** property equal to the *name* parameter, or null if no such **WorkflowTemplate** exists in the collection. All **WorkflowTemplate** objects in the collection MUST have a unique value for their **Name** property.

**Parameters:**

*name*: The name of the workflow template to retrieve.

Type: CSOM String

It MUST NOT be NULL.

### **3.2.6 Timer Events**

None.

### **3.2.7 Other Local Events**

None.

## 4 Protocol Examples

### 4.1 Get the Title of a Web

In this example, the title of a site is retrieved by using the **Web** object obtained from a **Context**. The operation is summarized in the following steps.

1. Get the context from the protocol server that corresponds to the URL where the service is called.
2. Get the associated **Web** object from the context.
3. Request the properties for the associated **Web** object.

#### Request:

```
<Request AddExpandFieldTypeSuffix="true" SchemaVersion="14.0.0.0"
LibraryVersion="14.0.4104.1000" ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
  <Actions>
    <ObjectPath Id="2" ObjectPathId="1" />
    <ObjectPath Id="4" ObjectPathId="3" />
    <Query Id="5" ObjectPathId="3">
      <Query SelectAllProperties="true">
        <Properties />
      </Query>
    </Query>
  </Actions>
  <ObjectPaths>
    <StaticProperty Id="1" TypeId="{3747adcd-a3c3-41b9-bfab-4a64dd2f1e0a}" Name="Current" />
    <Property Id="3" ParentId="1" Name="Web" />
  </ObjectPaths></Request>
```

#### Response:

```
[
  {
    "SchemaVersion": "14.0.0.0",
    "LibraryVersion": "14.0.4104.1000",
    "ErrorInfo": null
  }, 2, {
    "IsNull": false
  }, 4, {
    "IsNull": false
  }, 5, {
    "_ObjectType_": "SP.Web",
    "_ObjectIdentity_": "740c6a0b-85e2-48a0-a494-e0f1759d4aa7:web:eb66d01f-d638-41f8-81d7-1a58dd459268",
    "Description": "",
    "Created": "\/Date(2009,4,18,20,50,9,0)\/",
    "LastItemModifiedDate": "\/Date(2009,4,18,21,28,50,0)\/",
    "RecycleBinEnabled": true,
    "Title": "4104",
    "ServerRelativeUrl": "\u002f",
    "Id": "\/Guid(eb66d01f-d638-41f8-81d7-1a58dd459268)\/",
    "SyndicationEnabled": true,
    "AllowRssFeeds": true,
    "QuickLaunchEnabled": true,
```

```

    "TreeViewEnabled": false,
    "Language": 1033,
    "UIVersion": 4,
    "UIVersionConfigurationEnabled": false,
    "AllowDesignerForCurrentUser": true,
    "AllowRevertFromTemplateForCurrentUser": false,
    "AllowMasterPageEditingForCurrentUser": false,
    "ShowUrlStructureForCurrentUser": false
  }
]

```

## 4.2 Update the Description of a List

In this example, the description of an existing **List** object is updated by using the following steps.

1. Get the context from the protocol server that corresponds to the URL where the service is called.
2. Get the associated **Web** object from the context.
3. Get the **List** object from the **Web** object.
4. Update the description of the **List** object.

### Request:

```

<Request AddExpandoFieldTypeSuffix="true" SchemaVersion="14.0.0.0"
LibraryVersion="14.0.4104.1000" ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
  <Actions>
    <ObjectPath Id="2" ObjectPathId="1" />
    <ObjectPath Id="4" ObjectPathId="3" />
    <ObjectPath Id="6" ObjectPathId="5" />
    <ObjectPath Id="8" ObjectPathId="7" />
    <ObjectIdentityQuery Id="9" ObjectPathId="7" />
    <SetProperty Id="10" ObjectPathId="7" Name="Description">
      <Parameter Type="String">The new description</Parameter>
    </SetProperty>
    <Method Name="Update" Id="11" ObjectPathId="7" />
  </Actions>
  <ObjectPaths>
    <StaticProperty Id="1" TypeId="{3747adcd-a3c3-41b9-bfab-4a64dd2f1e0a}" Name="Current" />
    <Property Id="3" ParentId="1" Name="Web" />
    <Property Id="5" ParentId="3" Name="Lists" />
    <Method Id="7" ParentId="5" Name="GetByTitle">
      <Parameters>
        <Parameter Type="String">My List</Parameter>
      </Parameters>
    </Method>
  </ObjectPaths></Request>

```

### Response:

```

[
  {
    "SchemaVersion": "14.0.0.0", "LibraryVersion": "14.0.4104.1000", "ErrorInfo": null
  }, 2, {

```

```

    "IsNull": false
  }, 4, {
    "IsNull": false
  }, 6, {
    "IsNull": false
  }, 8, {
    "IsNull": false
  }, 9, {
    "_ObjectIdentity_": "740c6a0b-85e2-48a0-a494-e0f1759d4aa7:web:eb66d01f-d638-41f8-81d7-1a58dd459268:list:c3a072d4-45d2-4db0-a4ac-78fe0a12b5fc"
  }
]

```

### 4.3 Add a List to a ListCollection

In this example, a new **List** object is added to an existing **ListCollection** object. The following steps provide an overview of adding a **List** to a **ListCollection** object.

1. Get the context from the server that corresponds to the URL where the service is called.
2. Get the **Web** object from the context.
3. Get the **ListCollection** object from the **Web** object.
4. Create new **List** object.
5. Add **List** to the **ListCollection** for the **Web**.

#### Request:

```

<Request AddExpandoFieldTypeSuffix="true" SchemaVersion="14.0.0.0"
LibraryVersion="14.0.4104.1000" ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
  <Actions>
    <ObjectPath Id="2" ObjectPathId="1" />
    <ObjectPath Id="4" ObjectPathId="3" />
    <ObjectPath Id="6" ObjectPathId="5" />
    <ObjectPath Id="8" ObjectPathId="7" />
    <ObjectIdentityQuery Id="9" ObjectPathId="7" />
  </Actions>
  <ObjectPaths>
    <StaticProperty Id="1" TypeId="{3747adcd-a3c3-41b9-bfab-4a64dd2f1e0a}" Name="Current" />
    <Property Id="3" ParentId="1" Name="Web" />
    <Property Id="5" ParentId="3" Name="Lists" />
    <Method Id="7" ParentId="5" Name="Add">
      <Parameters>
        <Parameter TypeId="{e247b7fc-095e-4ea4-a4c9-c5d373723d8c}">
          <Property Name="Title" Type="String">My New List</Property>
          <Property Name="Description" Type="Null" />
          <Property Name="Url" Type="Null" />
          <Property Name="TemplateFeatureId" Type="Guid">{00000000-0000-0000-0000-000000000000}</Property>
          <Property Name="TemplateType" Type="Int32">101</Property>
          <Property Name="DocumentTemplateType" Type="Int32">0</Property>
          <Property Name="CustomSchemaXml" Type="Null" />
          <Property Name="QuickLaunchOption" Type="Enum">0</Property>
          <Property Name="DataSourceProperties" Type="Dictionary" />
        </Parameter>
      </Parameters>
    </Method>
  </ObjectPaths>
</Request>

```

```

    </Parameters>
  </Method>
</ObjectPaths>
</Request>

```

## Response:

```

[
  {
    "SchemaVersion":"14.0.0.0","LibraryVersion":"14.0.4104.1000","ErrorInfo":null
  },2,{
    "IsNull":false
  },4,{
    "IsNull":false
  },6,{
    "IsNull":false
  },8,{
    "IsNull":false
  },9,{
    "_ObjectIdentity_":"740c6a0b-85e2-48a0-a494-e0f1759d4aa7:web:eb66d01f-d638-41f8-81d7-1a58dd459268:list:6a969bdb-9373-436b-b46e-20ba0bd00274"
  }
]

```

## 4.4 Add a Lookup Field

In this example, a new lookup field is added to an existing list that points to another existing list. The following steps provide an overview of this operation.

1. Get the context from the protocol server that corresponds to the URL where the service is called.
2. Get the associated **Web** object from the context.
3. Get the necessary list information from **Web** (Request 1).
4. Add a lookup field to "List 1" that points to "List 2" (Request 2).

### Request 1:

```

<Request AddExpandoFieldTypeSuffix="true" SchemaVersion="14.0.0.0"
LibraryVersion="14.0.4104.1000" ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
  <Actions>
    <ObjectPath Id="2" ObjectPathId="1" />
    <ObjectPath Id="4" ObjectPathId="3" />
    <ObjectPath Id="6" ObjectPathId="5" />
    <ObjectPath Id="8" ObjectPathId="7" />
    <ObjectIdentityQuery Id="9" ObjectPathId="7" />
    <ObjectPath Id="11" ObjectPathId="10" />
    <ObjectIdentityQuery Id="12" ObjectPathId="10" />
    <Query Id="13" ObjectPathId="10">
      <Query SelectAllProperties="false">
        <Properties>
          <Property Name="Id" ScalarProperty="true" />
        </Properties>
      </Query>
    </ObjectIdentityQuery>
  </Actions>
</Request>

```

```

    </Query>
  </Query>
</Actions>
<ObjectPaths>
  <StaticProperty Id="1" TypeId="{3747adcd-a3c3-41b9-bfab-4a64dd2f1e0a}" Name="Current" />
  <Property Id="3" ParentId="1" Name="Web" />
  <Property Id="5" ParentId="3" Name="Lists" />
  <Method Id="7" ParentId="5" Name="GetByTitle">
    <Parameters>
      <Parameter Type="String">List 1</Parameter>
    </Parameters>
  </Method>
  <Method Id="10" ParentId="5" Name="GetByTitle">
    <Parameters>
      <Parameter Type="String">List 2</Parameter>
    </Parameters>
  </Method>
</ObjectPaths>
</Request>

```

## Response 1:

```

[
  {
    "SchemaVersion": "14.0.0.0", "LibraryVersion": "14.0.4104.1000", "ErrorInfo": null
  }, 2, {
    "IsNull": false
  }, 4, {
    "IsNull": false
  }, 6, {
    "IsNull": false
  }, 8, {
    "IsNull": false
  }, 9, {
    "_ObjectIdentity_": "740c6a0b-85e2-48a0-a494-e0f1759d4aa7:web:eb66d01f-d638-41f8-81d7-1a58dd459268:list:6c4bd5ac-b10c-46f0-9553-be32439987d7"
  }, 11, {
    "IsNull": false
  }, 12, {
    "_ObjectIdentity_": "740c6a0b-85e2-48a0-a494-e0f1759d4aa7:web:eb66d01f-d638-41f8-81d7-1a58dd459268:list:da4af6bf-43e6-463a-a95b-ece4183a7538"
  }, 13, {
    "_ObjectType_": "SP.List", "_ObjectIdentity_": "740c6a0b-85e2-48a0-a494-e0f1759d4aa7:web:eb66d01f-d638-41f8-81d7-1a58dd459268:list:da4af6bf-43e6-463a-a95b-ece4183a7538", "_ObjectVersion_": "0", "Id": "\\Guid(da4af6bf-43e6-463a-a95b-ece4183a7538)\"
  }
]

```

## Request 2:

```

<Request AddExpandoFieldTypeSuffix="true" SchemaVersion="14.0.0.0"
LibraryVersion="14.0.4104.1000" ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
  <Actions>
    <ObjectPath Id="18" ObjectPathId="17" />
    <ObjectPath Id="20" ObjectPathId="19" />
    <ObjectIdentityQuery Id="21" ObjectPathId="19" />
  </Actions>
</Request>

```



```

</Actions>
<ObjectPaths>
  <Property Id="17" ParentId="7" Name="Fields" />
  <Method Id="19" ParentId="17" Name="AddFieldAsXml">
    <Parameters>
      <Parameter Type="String">&lt;Field Type="Lookup" List="da4af6bf-43e6-463a-a95b-
ece4183a7538" ShowField="Title" DisplayName="Lookup Field" Description="Lookup field created
using CSOM." Required="FALSE" Indexed="FALSE" />></Parameter>
      <Parameter Type="Boolean">true</Parameter>
      <Parameter Type="Enum">0</Parameter>
    </Parameters>
  </Method>
  <Identity Id="7" Name="740c6a0b-85e2-48a0-a494-e0f1759d4aa7:web:eb66d01f-d638-41f8-81d7-
1a58dd459268:list:6c4bd5ac-b10c-46f0-9553-be32439987d7" />
</ObjectPaths></Request>

```

## Response 2:

```

[
  {
    "SchemaVersion": "14.0.0.0", "LibraryVersion": "14.0.4104.1000", "ErrorInfo": null
  }, 18, {
    "IsNull": false
  }, 20, {
    "IsNull": false
  }, 21, {
    "_ObjectIdentity_": "740c6a0b-85e2-48a0-a494-e0f1759d4aa7:web:eb66d01f-d638-41f8-81d7-
1a58dd459268:list:6c4bd5ac-b10c-46f0-9553-be32439987d7:field:c84fe21c-7666-4129-85f8-
1a317da06017"
  }
]

```

## 4.5 Attempt to Delete a Site With an Account That Does Not Have Permissions for the Operation

The protocol client attempts to delete a site object on the protocol server. However, the current user does not have permissions to perform this operation, so deleting a site (2) causes an error. The protocol server returns a **CSOM error**. The following steps provide an overview of this operation.

1. Get the context to a **Site** object.
2. Get the **Web** object from the **Site** object.
3. Execute **delete** operation on the **Web** object.

### Request:

```

<Request AddExpandoFieldTypeSuffix="true" SchemaVersion="14.0.0.0"
LibraryVersion="14.0.4104.1000" ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
  <Actions>
    <ObjectPath Id="2" ObjectPathId="1" />
    <ObjectPath Id="4" ObjectPathId="3" />
    <Method Name="DeleteObject" Id="5" ObjectPathId="3" />
  </Actions>
</ObjectPaths>

```

```
<StaticProperty Id="1" TypeId="{3747adcd-a3c3-41b9-bfab-4a64dd2f1e0a}" Name="Current" />
<Property Id="3" ParentId="1" Name="Web" />
</ObjectPaths></Request>
```

## Response:

```
[
  {
    "SchemaVersion": "14.0.0.0",
    "LibraryVersion": "14.0.4111.1000",
    "ErrorInfo":
      {
        "ErrorMessage": "Access is denied.",
        "ErrorValue": null
        "ErrorCode": -2147024891,
        "ErrorTypeName": "System.UnauthorizedAccessException"
      }
  }
]
```

## **5 Security**

### **5.1 Security Considerations for Implementers**

None.

### **5.2 Index of Security Parameters**

None.

## 6 Appendix A: 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® SharePoint® Foundation 2010

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.

[<1> Section 3.2.5.3.1.5](#): The **DiscussionBoard** base type is deprecated. SharePoint Foundation 2010 uses the **GenericList** base type for discussion boards.

## 7 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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