

[MS-CSOMSPT]:

SharePoint Client-Side Object Model Protocol

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Preliminary

Revision Summary

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Preliminary

1 Introduction

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

Sections 1.8, 2, and 3 of this specification are normative and can contain the terms MAY, SHOULD, MUST, MUST NOT, and SHOULD NOT as defined in [\[RFC2119\]](#). Sections 1.5 and 1.9 are also normative but do not contain those terms. All other sections and examples in this specification are informative.

1.1 Glossary

The following terms are specific to this document:

absolute URL: The full Internet address of a page or other World Wide Web resource. The absolute URL includes a protocol, such as "http," a network location, and an optional path and file name — for example, <http://www.treyresearch.net/>.

alert: An Internet message that is sent to subscribers automatically to notify them when user-defined criteria are met. Alerts are generated automatically when items such as documents, webpages, list items, sites, or other resources on a server are changed.

anchor text: The text that is included with a hyperlink to describe the target content of a hyperlink.

app: (1) See **web application**.

(2) See **app for SharePoint**.

app for Office: A cloud-enabled app that integrates rich, scenario-focused content and services into an Office application or equivalent protocol client.

app for SharePoint: A cloud-enabled software module that uses HTML, JavaScript, or other industry-standard web technologies, in addition to possible server components, to integrate rich, scenario-focused content and services into SharePoint.

app instance: An instantiation of an **app** on a specific site.

app package: An implementation-specific file that specifies an **app**.

app principal: Designates an authenticated entity that is not a user.

app product identifier: A unique designation that is shared by all versions of an **app**.

application: A participant that is responsible for beginning, propagating, and completing an atomic transaction. An application communicates with a transaction manager in order to begin and complete transactions. An application communicates with a transaction manager in order to marshal transactions to and from other applications. An application also communicates in application-specific ways with a resource manager in order to submit requests for work on resources.

attachment: An external file that is included with an Internet message or associated with an item in a SharePoint list.

authentication: The act of proving an identity to a server while providing key material that binds the identity to subsequent communications.

back-end database server: A server that hosts data, configuration settings, and stored procedures that are associated with one or more applications.

base field type: An XML-based schema that defines the type of data, such as formatted text or an integer, that can be entered and stored in a field in a **list**. Every field in a **list** is derived from a specific base field type.

base type: An XML-based schema that defines the data and rendering fields that can be used in a **list**. Every list is derived from a specific base type.

base view identifier: An integer that uniquely identifies a view definition for a **list**.

blind carbon copy (bcc) recipient: An addressee whose name is not visible to other addressees of an Internet message.

blog: A website that contains a series of posts about a subject and is arranged in reverse chronological order. Also referred to as web log.

Boolean: An operation or expression that can be evaluated only as either true or false.

Business Connectivity Services (BCS): A set of services that enables interaction and integration with back-end data in a **line-of-business (LOB) system**, including external data and related services. BCS includes the **Business Data Connectivity (BDC)** service.

Business Data Connectivity (BDC): A shared service that stores information about business application data that exists outside a server farm. It can be used to display business data in lists, Web Parts, search results, user profiles, and custom applications. Previously referred to as Business Data Catalog.

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

calendar type: A 2-byte integer value that specifies the type of calendar to use in a specific context.

carbon copy (cc) recipient: In an Internet message, an addressee whose name is visible to other addressees and is not necessarily expected to take any action. The message is for informational purposes only for that addressee.

change log: A log of changes, such as add and delete, that are made to objects that are stored on a **back-end database server**. Applications can use this information to identify changes that occurred on those objects.

change token: A serialized token that can be used to determine whether changes occurred in the system. It can also be used to deserialize packages in the correct sequence during import or restore operations.

check out: The process of retrieving a writable copy of a file or project from a source repository. This locks the file for editing to prevent other users from overwriting or editing it inadvertently. See also check in.

checked out: A **publishing level** that indicates that a document has been created and locked for exclusive editing by a user in a version control system.

child: An object that is immediately below the current object in a hierarchy.

claims provider: A software component or service that can be used to issue a claim (2) during sign-in operations and to display, resolve, and provide search capabilities for claims in a card selector.

collation: A set of rules that determines how data is compared, ordered, and presented.

color scheme: A table of color values that enables colors to be referenced by an index value in the table instead of a color value. See also color palette.

computed field: A field that can perform data manipulation and display functions by using the contents of other fields.

configuration database: A database that is stored on a **back-end database server** and contains both persisted objects and site collection metadata for lookup purposes.

content database: A database that is stored on a **back-end database server** and contains stored procedures, site collections, and the contents of those site collections.

content type: A named and uniquely identifiable collection of settings and fields that store metadata for individual items in a SharePoint list. One or more content types can be associated with a list, which restricts the contents to items of those types.

content type group: A named category of **content types** that is used to organize content types of a similar purpose.

content type identifier: A unique identifier that is assigned to a **content type**.

content type order: The sequence in which **content types** are displayed.

Coordinated Universal Time (UTC): A high-precision atomic time standard that approximately tracks Universal Time (UT). It is the basis for legal, civil time all over the Earth. Time zones around the world are expressed as positive and negative offsets from UTC. In this role, it is also referred to as Zulu time (Z) and Greenwich Mean Time (GMT). In these specifications, all references to UTC refer to the time at UTC-0 (or GMT).

crawl: The process of traversing a URL space to acquire items to record in a search catalog.

crawler: A process that browses and indexes content from a content source.

Creator: A type of **MethodInstance** that can be called to create a new EntityInstance. The set of Fields that are required to create the EntityInstance is referred to as the Creator View.

CSOM array: An ordered collection of values that can be used in an **XML** request or **JSON** response text. The values are identified by their position and their position is determined by a zero-based integer index.

CSOM binary: An array of 8-bit, unsigned integers that can be used in an **XML** request or as a string in **JSON** response text.

CSOM Boolean: A **Boolean** value that can be used in an **XML** request or **JSON** response text. A CSOM Boolean value is either "true" or "false".

CSOM DateTime: An Int64 value that represents the number of 100-nanosecond time intervals that have elapsed since 12:00:00, January 1, 0001. It can be used in an **XML** request or as a string in **JSON** response text. The value can represent time intervals through 23:59:59.9999999, December 31, 9999. It can also specify whether a local, **UTC**, or no **time zone** applies.

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 Double: A 64-bit, double-precision, floating-point value, which is the DOUBLE 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 Double values is from "-1.79769313486232e308" to "1.79769313486232e308".

CSOM error: An object that contains information about an error that occurred on a protocol server when processing a request.

CSOM expando field: A field that stores data for an instance of a **CSOM Object** and is not defined explicitly in the corresponding CSOM Object type.

CSOM GUID: A **GUID**, as described in [MS-DTYP], that can be used in an **XML** request or as a string in **JSON** response text.

CSOM Int16: A 16-bit, signed integer value, which is the INT16 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 Int16 values is from "-32768" to "32767".

CSOM Int32: A 32-bit, signed integer value, which is the INT32 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 Int32 values is from "-2147483648" to "2147483647".

CSOM Int64: A 64-bit, signed integer value, which is the INT64 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 Int64 values is from "-9223372036854775808" to "9223372036854775807".

CSOM Object: An object that contains a set of members, which are named values and methods. It has a Unicode string value, which is referred to as a CSOM type name, that identifies its type.

CSOM Stream: A series of bytes that is used to transfer data and that supports reading, writing, and seeking.

CSOM String: A representation of text as a series of Unicode characters. It can be used in an **XML** request or **JSON** response text.

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".

culture name: A part of a language identification tagging system, as described in [\[RFC1766\]](#). Culture names adhere to the format "<languagecode2>-<country/regioncode2>." If a two-letter language code is not available, a three-letter code that is derived from [\[ISO-639\]](#) is used.

current user: The user who is authenticated during processing operations on a front-end web server or a **back-end database server**.

current version: The latest version of a document that is available to a user, based on the permissions of the user and the publishing level of the document.

custom action: An extension to the user interface, such as a button on a toolbar or a link on a site settings page.

custom list: A user-defined **list** or enumeration that can be used to sort data in a worksheet.

data connection library: A SharePoint library that contains a collection of universal data connection (.udcx) and Office data connection (.odc) files.

data source: A database, web service, disk, file, or other collection of information from which data is queried or submitted. Supported data sources vary based on application and data provider.

data validation: The process of testing the accuracy of data; a set of rules that specify the type and range of data that users can enter.

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

datasheet: A worksheet window that contains the source data for a Microsoft Graph chart object.

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

default list view: The view of a SharePoint list that the owner of the list selected to appear when users browse to the list without specifying a view.

default mobile list view: The view of a SharePoint list that the owner of the list selected to appear when users browse to the list by using a mobile device and without specifying a view.

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.

default view: The layout and organization of a document or list that appears automatically when users open that document or display that list.

dependent lookup field: A lookup field that displays additional data for an item that is returned by a primary lookup field. See also **primary lookup field**.

designer: A visual design surface for adding and arranging controls on a user form and writing code for those controls.

discussion board: A list in which users can read, post, and reply to messages from other users who are members of the same discussion board.

discussion item: A remark or response that is posted to an online discussion forum such as a newsgroup, SharePoint list, or electronic bulletin board.

display form: A form that is used to display a list item.

display name: A text string that is used to identify a principal or other object in the user interface. Also referred to as title.

document: An object in a **content database** such as a file, folder, **list**, or **site**. Each object is identified by a **URI**.

document identifier: A GUID that identifies a document.

document library: A type of list that is a container for documents and folders.

document template: A file that serves as the basis for new documents.

draft: A version of a document or list item that does not have a publishing level of "Published" or "Checked Out".

edit form: A form that enables users to edit a list item.

email address: A string that identifies a user and enables the user to receive Internet messages.

empty GUID: A 128-bit, 16-byte identification number that is represented by all zeros.

endpoint: A client that is on a network and is requesting access to a network access server (NAS).

Entity: A type of DataClass that represents a type of business data object that is stored in a line-of-business (LOB) system and whose instances have a persistent EntityInstanceId.

EntityInstance: A set of **Field (3)** values that have a unique identity that represents a specific instance of an Entity, and are stored in a line-of-business (LOB) system.

event: (1) Any significant occurrence in a system or an application that requires users to be notified or an entry to be added to a log.

(2) An action or occurrence to which an application might respond. Examples include state changes, data transfers, key presses, and mouse movements.

event receiver: A structured modular component that enables built-in or user-defined managed code classes to act upon objects, such as list items, **lists**, or content types, when specific triggering actions occur.

exclusive lock: A condition in which one protocol client or protocol server can read or write data, but no transaction can acquire a **shared lock** on the data until the exclusive lock is released.

external content type: A type of DataClass object that is stored in a line-of-business (LOB) system and whose instances have a persistent EntityInstanceId. Also referred to as Entity.

external list: A container that is within a SharePoint site and that references a set of **EntityInstances** that are sourced from a line-of-business (LOB) system. It has a customizable schema that is composed of one or more **Fields (3)**.

farm: A group of computers that work together as a single system to help ensure that applications and resources are available. Also referred to as server farm.

feature: A package of SharePoint elements that can be activated or deactivated for a specific feature scope.

feature identifier: A **GUID** that identifies a **feature**.

feature scope: The scope at which a **feature** can be activated.

field: (1) An element or attribute (1) in a data source that can contain data.

(2) A container for metadata within a SharePoint list and associated list items.

(3) The data elements that constitute an **Entity** in a line-of-business (LOB) system.

field definition: The definition of a field in the Collaborative Application Markup Language (CAML).

field group: A named collection of related fields.

field identifier: A GUID that is used to identify a field.

field internal name: A string that uniquely identifies a field in a content type or a SharePoint list.

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

field type: A name that identifies the action or effect that a field has within a document. Examples of field types are Author, Page, Comments, and Date.

file: A single, discrete unit of content.

file extension: The sequence of characters in a **file's** name between the end of the **file's** name and the last "." character. Vendors of applications choose such sequences for the applications to uniquely identify **files** that were created by those applications. This allows file management software to determine which application should be used to open a **file**.

Finder: A type of **MethodInstance** that can be called to return a collection of zero or more EntityInstances of a specific Entity. Finder input is defined by the FilterDescriptors that are contained in the Method that contains the Finder.

floating-point number: A number that is represented by a mantissa and an exponent according to a given base. The mantissa is typically a value between "0" and "1". To find the value of a floating-point number, the base is raised to the power of the exponent, and the mantissa is multiplied by the result.

folder: A file system construct. File systems organize a volume's data by providing a hierarchy of objects, which are referred to as folders or directories, that contain files and can also contain other folders.

font: An object that defines the graphic design, or formatting, of a collection of numbers, symbols, and letters. A font specifies the style (such as bold and strikethrough), size, family (a typeface such as Times New Roman), and other qualities to describe how the collection is drawn.

font scheme: A combination of complementary fonts in a **theme**.

form: A structured document with controls and spaces that are reserved for entering and displaying information. Forms can contain special coding for actions such as submitting and querying data.

form digest: An object that is inserted into a page and is used by a protocol server to validate client requests. The validation is specific to a user, site, and time period.

form library: A type of document library that is optimized for storing and displaying data in XML-based forms.

form template (.xsn) file: A cabinet (.cab) file with an .xsn file name extension that contains the files that comprise a form template.

gallery: A library that is used to store a collection of site resources, such as Web Parts, list templates, and site templates.

globally unique identifier (GUID): A term used interchangeably with universally unique identifier (UUID) in Microsoft protocol technical documents (TDs). Interchanging the usage of these terms does not imply or require a specific algorithm or mechanism to generate the value. Specifically, the use of this term does not imply or require that the algorithms described in [\[RFC4122\]](#) or [\[C706\]](#) must be used for generating the **GUID**. See also universally unique identifier (UUID).

group: A named collection of users who share similar access permissions or roles.

hidden: A condition of an object that prevents it from being displayed in rendered output.

historical version: Any version of a document or list item that is not one of the current versions. Depending on configuration settings, historical versions can be retained in a **back-end database server**, and might not be visible to specific users.

host name: The name of a physical server, as described in [\[RFC952\]](#).

HTTP method: In an HTTP message, a token that specifies the method to be performed on the resource that is identified by the Request-URI, as described in [\[RFC2616\]](#).

HTTP referer: A string in an HTTP request-header field that identifies the address of the resource that is making the current request, as described in [\[RFC2616\]](#).

hyperlink: A relationship between two anchors, as described in [\[RFC1866\]](#).

Hypertext Markup Language (HTML): An application of the Standard Generalized Markup Language (SGML) that uses tags to mark elements in a document, as described in [\[HTML\]](#).

Hypertext Transfer Protocol (HTTP): An application-level protocol for distributed, collaborative, hypermedia information systems (text, graphic images, sound, video, and other multimedia files) on the World Wide Web.

icon: A graphical image used to supplement alphanumeric text in the visual identification of an object on a computer monitor. **Icons** are typically small, relative to the size of the area on which they are displayed.

indexed field: A field that stores values in a separate indexed table.

Information Rights Management (IRM): A technology that provides persistent protection to digital data by using encryption, certificates (1), and **authentication**. Authorized recipients or users acquire a license to gain access to the protected files according to the rights or business rules that are set by the content owner.

Input Method Editor (IME): An application that is used to enter characters in written Asian languages by using a standard 101-key keyboard. An IME consists of both an engine that converts keystrokes into phonetic and ideographic characters and a dictionary of commonly used ideographic words.

item: A unit of content that can be indexed and searched by a search application.

item identifier: An integer that uniquely identifies an item in a SharePoint list.

JavaScript Object Notation (JSON): A text-based, data interchange format that is used to transmit structured data, typically in Asynchronous JavaScript + XML (AJAX) web applications, as described in [\[RFC4627\]](#). The JSON format is based on the structure of ECMAScript (Jscript, JavaScript) objects.

language code identifier (LCID): A 32-bit number that identifies the user interface human language dialect or variation that is supported by an application or a client computer.

leaf name: The segment of a URL that follows the last slash. If the resource is a directory, the leaf name can be an empty string (1).

line-of-business (LOB) system: A software system that is used to store business data and can also contain business rules and business logic (2) that support business processes.

link: An attribute (2) value that refers to a directory object and whose Attribute-Schema object specifies an even value for the linkId attribute. Also referred to as forward link.

link bar: A non-hierarchical, user-defined collection of graphical or text buttons that represent hyperlinks to pages within the same website and external sites.

list: A container within a SharePoint site that stores list items. A list has a customizable schema that is composed of one or more fields.

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.

list form: A page that enables users to create, view, or edit an item in a list.

list identifier: A GUID that is used to identify a **list** in a site collection.

list item: An individual entry within a SharePoint list. Each list item has a schema that maps to fields in the list that contains the item, depending on the content type of the item.

list item attachment: A file that is contained within a list item and is stored in a folder in the **list** with the segment "Attachments".

list item identifier: See **item identifier**.

list schema: The Collaborative Application Markup Language (CAML) schema of a list.

list server template: A value that identifies the template that is used for a SharePoint list.

list template: An XML-based definition of list settings, including fields and views, and optionally list items. List templates are stored in .stp files in the content database.

list view: A named collection of settings for querying and displaying items in a SharePoint list. There are two types of views: Personal, which can be used only by the user who created the view; and Public, which can be used by all users who have permission to access to the site.

list view page: A Web Parts Page that displays a view of a SharePoint list.

LobSystemInstance: A type of MetadataObject that represents a specific deployed instance of a **line-of-business (LOB) system**, as represented by a LobSystem. LobSystemInstances are contained by LobSystems. LobSystemInstance Properties describe how to connect to an instance of the LobSystem that contains them by providing information such as the server name, connection string, and authentication mode.

locale: A collection of rules and data that are specific to a language and a geographical area. A locale can include information about sorting rules, date and time formatting, numeric and monetary conventions, and character classification.

locked: The condition of a cell, worksheet, or other object that restricts edits or modifications to it by users.

login name: A string that is used to identify a user or entity to an operating system, directory service, or distributed system. For example, in Windows-integrated authentication, a login name uses the form "DOMAIN\username".

lookup field: A field of the Lookup type that enables users to select an item from another data source.

major version: An iteration of a software component, document, or list item that is ready for a larger group to see, or has changed significantly from the previous major version. For an item on a SharePoint site, the **minor version** is always "0" (zero) for a major version.

marketplace billing market: A specifier that identifies the region of the credit card used to buy apps.

marketplace content market: A collection of metadata associated with each individual app that contains information such as the region and locale of the app.

marketplace deployment identifier: The identifier of the location to which app licenses are sold.

marketplace license: The proof of an app purchase that defines the usage pattern that is allowed for the app.

marketplace license token: An implementation-specific identifier used to serialize a marketplace license.

master page: An ASP.NET file that has a predefined layout that can include static text, **HTML** elements, and server controls.

Meeting Workspace site: A SharePoint site that is based on a Meeting Workspace site template and has a template ID value of "2". A Meeting Workspace site is used for planning, posting, and working together on meeting materials.

member: A user in the Members group of a site.

membership: The state or status of being a member of a member group. A membership contains additional metadata such as the privacy level that is associated with the membership.

message body: The main message text of an email message. A few properties of a Message object represent its message body, with one property containing the text itself and others defining its code page and its relationship to alternative body formats.

MetadataCatalog: A MetadataObject that represents a Metadata partition.

MethodInstance: A type of MetadataObject that associates a normalized or stereotypical semantic with a Method that represents a native API in a line-of-business (LOB) system. MethodInstances identify which part of the data that is returned by a Method is relevant for the semantic by defining a ReturnPropertyDescriptor. MethodInstances are contained by Methods.

minor version: An iteration of a software component, document, or list item that is in progress or has changed only slightly from the previous version. For an item on a SharePoint site, the minor version number is never "0" (zero) and is incremented for each new version of an item, unless a **major version** is explicitly published. When minor versioning is disabled on a SharePoint site, only major version numbers are incremented, and the minor version is always "0" (zero).

mobile device: A small computing device that is easily portable and can be used in various environments.

mobile list view: A view of a SharePoint list that can be accessed by using a mobile device.

moderation status: A content approval status that indicates whether a list item was approved by a moderator.

navigation node: An element in the navigational structure of a site. The element is a link or a series of links to a specific page in the site.

new form: A form that enables users to create a list item.

notification: A process in which a subscribing **Session Initiation Protocol (SIP)** client is notified of the state of a subscribed resource by sending a NOTIFY message to the subscriber.

object: (1) A set of attributes (1), each with its associated values. Two attributes of an object have special significance: an identifying attribute and a parent-identifying attribute. An identifying attribute is a designated single-valued attribute that appears on every object; the value of this attribute identifies the object. For the set of objects in a replica, the values of the identifying attribute are distinct. A parent-identifying attribute is a designated single-valued attribute that appears on every object; the value of this attribute identifies the object's parent. That is, this attribute contains the value of the parent's identifying attribute, or a reserved value identifying no object. For the set of objects in a replica, the values of this parent-identifying attribute define a tree with objects as vertices and child-parent references as directed edges with the **child** as an edge's tail and the parent as an edge's head. Note that an object is a value, not a variable; a replica is a variable. The process of adding, modifying, or deleting an object in a replica replaces the entire value of the replica with a new value. As the word replica suggests, it is often the case that two replicas contain "the same objects". In this usage, objects in two replicas are considered the same if they have the same value of the identifying attribute and if there is a process in place (replication) to converge the values of the remaining attributes. When the members of a set of replicas are considered to be the same, it is common to say "an object" as shorthand referring to the set of corresponding objects in the replicas.

(2) In COM, a software entity that implements the IUnknown interface and zero or more additional interfaces that may be obtained from each other using the IUnknown interface. A COM **object** can be exposed to remote clients via the DCOM protocol, in which case it is also a DCOM object.

owner: A security principal (2) who has the requisite permission to manage a security group.

page type: An integer that specifies the type of a page.

paged view: A view that supports one or more visual pages. A paged view is used to break large sets of data into smaller sets for increased performance and manageability.

parent list: A **list** that contains a list item or list folder.

parent site: The site that is above the current site in the hierarchy of the site collection.

permission: A rule that is associated with an object and that regulates which users can gain access to the object and in what manner. See also **rights**.

permission level: A set of permissions that can be granted to principals or SharePoint groups on an entity such as a site, list, folder, item, or document.

personal view: A view of a list that is created by a user for personal use. The view is unavailable to other users.

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.

picture library: A type of **document library** that is optimized for storing digital pictures or graphics.

policy: A set of rules that governs all interactions with an object such as a document or item.

presence: A setting for the User field that determines whether instant-messaging status information appears with user names in that field.

primary lookup field: A lookup field that returns all of the information that is needed to support lookup operations from one list to another. See also **dependent lookup field**.

principal: An authenticated entity that initiates a message or channel in a distributed system.

ProgID: An identifier that is used by the Windows registry to uniquely identify an object and is in the form OLEServerName.ObjectName, for example, "Excel.Sheet" or "PowerPoint.Slide."

public view: A view of a list that is available to all users who have permission to access that list.

published: A condition of portions of a workbook that are marked as being available to the user when that workbook is processed by a protocol server.

publishing level: An integer that is assigned to a document to indicate the publishing status of that version of the document.

query: A formalized instruction to a data source to either extract data or perform a specified action. A query can be in the form of a query expression, a method-based query, or a combination of the two. The data source can be in different forms, such as a relational database, **XML document**, or in-memory object. See also search query.

Quick Launch: A collection of links to lists and pages in a SharePoint site. By default, it appears on the side of all pages, except site administration pages, in the site.

reading order: The positioning of characters in words and the positioning of words in sentences. This can be left-to-right or right-to-left.

Recycle Bin: The location where deleted files are stored until they are either restored, if they were deleted erroneously, or destroyed permanently.

Recycle Bin item: An item that was deleted and appears in the Recycle Bin. Items in the Recycle Bin can include a document, a version of a document, a list item, a list, a folder, a folder containing lists, an attachment to a list item, or a version of a list item.

reference: A means by which cells, objects, and chart elements can be referenced in a formula.

regional settings: See locale settings (1).

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

relationship delete behavior: An 8-bit integer that specifies how to delete a list item that has related child items. It can be a cascading operation, which deletes all related child items when the parent item is deleted, or a restrict operation, which indicates that a parent item can be deleted only after all related child items are deleted.

relationship lookup field: A **lookup field** in a **back-end database server** that defines a relationship between two SharePoint lists.

resource folder: A folder that contains images, templates, and other resource files for a **content type**.

rich text: Text that is formatted in the Rich Text Format, as described in [\[MSFT-RTF\]](#).

rights: Tasks that a user is permitted to perform on a computer, site, domain, or other system resource. See also **permission**.

role: A symbolic name that defines a class of users for a set of components. A role defines which users can call interfaces on a component.

role assignment: An association between a principal or a site group and a role definition.

role definition: A named set of permissions for a SharePoint site. See also **permission level**.

root element: The top-level element in an **XML document**. It contains all other elements and is not contained by any other element, as described in [\[XML\]](#).

root folder: The folder at the top of a hierarchy of folders in a list.

schema version: An integer value that represents the version number of the schema for a deployment package.

securable object: An object that can have unique security permissions associated with it.

security group: A named group of principals on a SharePoint site.

server: A replicating machine that sends replicated files to a partner (client). The term "server" refers to the machine acting in response to requests from partners that want to receive replicated files.

server-relative URL: A relative URL that does not specify a scheme or host, and assumes a base URI of the root of the host, as described in [\[RFC3986\]](#).

Session Initiation Protocol (SIP): An application-layer control (signaling) protocol for creating, modifying, and terminating sessions with one or more participants. **SIP** is defined in [\[RFC3261\]](#).

shared lock: A condition in which multiple protocol clients or protocol servers can read or write data concurrently, but no transaction can acquire an **exclusive lock** on the data until all of the shared locks have been released.

site: A group of related pages and data within a SharePoint site collection. The structure and content of a site is based on a site definition. Also referred to as SharePoint site and web site.

site collection: A set of **websites** that are in the same **content database**, have the same owner, and share administration settings. A site collection can be identified by a **GUID** or the **URL** of the **top-level site** for the site collection. Each site collection contains a top-level site, can contain one or more subsites, and can have a shared navigational structure.

site collection administrator: A user who has administrative permissions for a site collection.

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 email messages, and indicate site membership for multiple users simultaneously.

site collection quota: An option for a site collection that enables administrators to set levels for maximum storage allowed, maximum number of users allowed, and warnings that are associated with the maximum levels.

site content type: A named and uniquely identifiable collection of settings and fields that store metadata for lists within individual sites.

site definition: A family of site definition configurations. Each site definition specifies a name and contains a list of associated site definition configurations.

site definition configuration: An XML-based definition of lists, features, modules, and other data that collectively define a type of SharePoint site. Site definition configurations are stored in the ONET.xml file.

site identifier: A GUID that is used to identify a site in a **site collection**.

site solution: A deployable, reusable package that contains a set of features, site definitions, and assemblies that apply to sites, and can be enabled or disabled individually.

site subscription: A logical grouping of **site collections** that share a common set of features and service data.

site template: An XML-based definition of site settings, including formatting, lists, views, and elements such as text, graphics, page layout, and styles. Site templates are stored in .stp files in the content database.

site-relative URL: A URL that is relative to the site that contains a resource and does not begin with a leading slash (/).

SOAP: A lightweight protocol for exchanging structured information in a decentralized, distributed environment. **SOAP** uses **XML** technologies to define an extensible messaging framework, which provides a message construct that can be exchanged over a variety of underlying protocols. The framework has been designed to be independent of any particular programming model and other implementation-specific semantics. SOAP 1.2 supersedes SOAP 1.1. See [\[SOAP1.2-1/2003\]](#).

SpecificFinder: A type of **MethodInstance** that can be called to return a specific EntityInstance of a specific Entity given its EntityInstanceId. SpecificFinder input is defined and ordered by the Identifiers that are associated with the Entity that is associated with the Method that is associated with the SpecificFinder.

static CSOM method: A class method that is accessed through the type name rather than an instance of the class.

Status-Code: A 3-digit integer result code in an HTTP response message, as described in [\[RFC2616\]](#).

stream: An element of a compound file, as described in [\[MS-CFB\]](#). A stream contains a sequence of bytes that can be read from or written to by an application, and they can exist only in storages.

strong name: A name that consists of the simple text name, version number, and culture information of an assembly, strengthened by a public key and a digital signature that is generated over the assembly.

subscription: The result of a SUBSCRIBE request from a **Session Initiation Protocol (SIP)** element.

subsite: A complete website that is stored in a named subdirectory of another website. The parent website can be the top-level site of a site collection or another subsite. Also referred to as subweb.

survey list: A list that is preconfigured and optimized for conducting surveys and compiling survey results into graphical views.

task: A component of an action (1) that defines the work that actors need to do within a workflow system. An action can have zero or more tasks that are each assigned to different targets. There is a one-to-one correlation between tasks and targets.

taxonomy navigation: A hierarchy of navigation menus that represents the navigation menus in terms and term sets and are independent of where their underlying objects, such as pages, are located.

template: A file that contains pre-defined formatting including layout, text and graphics. It serves as the basis for new documents that have a similar look or purpose. See also form template (Microsoft InfoPath) and **site template** (SharePoint Products and Technologies).

theme: A set of unified design elements, such as colors, fonts, graphics, and styles, that define the appearance of a website, document, or data visualization.

thicket supporting file: A file that contains a graphic element, a picture, or other media that is referenced by the thicket main file and is stored in the thicket folder.

time zone: A geographical area that observes the same local time. The local time has a positive, zero, or negative offset from **Coordinated Universal Time (UTC)**. The offset can be different during standard time and daylight saving time.

toolbar: A row, column, or block of controls that represent tasks or commands within an application. A toolbar can be either a menu toolbar, which provides access to menu commands, or a basic toolbar, which contains buttons that provide shortcuts to tasks that are frequently accessed from menus.

ToolTip: A small pop-up window that provides brief context-sensitive help when users point to an item. Also referred to as ScreenTip.

top-level site: The first site in a site collection. All other sites within a site collection are child sites of the top-level site. The URL of the top-level site is also the URL of the site collection.

TypeDescriptor: A type of MetadataObject that describes a subset of the structure of a Parameter of a Method of the native API of a line-of-business (LOB) system. A TypeDescriptor can contain TypeDescriptors to form hierarchies that describe Parameters representing complex types, where the leaf TypeDescriptors describe simple or primitive types. A root TypeDescriptor, together with DefaultValues for leaf TypeDescriptors can be used to instantiate an instance of a Parameter value to send to a LOB system to execute a Method.

uncustomized: A condition of a document whose content is stored in a location other than the content database. If a document is uncustomized, the front-end web server determines the location of the content by using the SetupPath value for the document. Also referred to as ghosted.

Uniform Resource Identifier (URI): A string that identifies a resource. The URI is an addressing mechanism defined in Internet Engineering Task Force (IETF) Uniform Resource Identifier (URI): Generic Syntax [RFC3986].

Uniform Resource Locator (URL): A string of characters in a standardized format that identifies a document or resource on the World Wide Web. The format is as specified in [\[RFC1738\]](#).

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

Updater: A type of **MethodInstance** that can be called to update an EntityInstance identified by a specified EntityInstanceId. The set of **Fields (3)** that is required to update the EntityInstance is referred to as the Updater View.

upgrade evaluation site collection: A copy of the current **site collection**, used to evaluate the functionality of a site collection after it is upgraded.

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**.

user information list: A list that contains items, each of which represents a security principal (2) in a site collection. Each site collection has only one such list and it resides in the top-level site of the site collection.

version: See displayed version, **historical version**, **major version**, and **minor version**.

view: See form view (Microsoft InfoPath), **list view** (SharePoint Products and Technologies), or **View** (Microsoft Business Connectivity Services).

View: A set of **Fields (3)** of an **Entity**, or the schema of an Entity. An Entity can have several Views, each consisting of a different set of Fields, but all containing Identifier Fields. Views are associated with **MethodInstances** and define the shape of a MethodInstance's input or output.

view identifier: A GUID that is used to uniquely identify a view.

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

visual upgrade: A feature that enables a protocol server to display an earlier version of a user interface to support backward compatibility with existing solutions.

web application: A container in a configuration database that stores administrative settings and entry-point **URLs** for **site collections**.

web discussion: A component and add-in that enables users to enter comments about documents and pages without modifying the actual content of those documents or pages.

web discussion comment: An individual comment that is added to a web discussion.

Web Distributed Authoring and Versioning Protocol (WebDAV): The Web Distributed Authoring and Versioning Protocol, as described in [\[RFC2518\]](#) or [\[RFC4918\]](#).

Web Part: A reusable component that contains or generates web-based content such as **XML**, **HTML**, and scripting code. It has a standard property schema and displays that content in a cohesive unit on a webpage. See also Web Parts Page.

Web Part identifier: A GUID that identifies a Web Part.

Web Part Page: An ASP.NET webpage that includes Web Part controls that enable users to customize the page, such as specifying which information to display. Referred to as Web Parts Page in Microsoft SharePoint Foundation 2010.

Web Part zone: A structured HTML section of a Web Parts Page that contains zero or more Web Parts and can be configured to control the organization and format of those Web Parts.

Web Part zone index: An integer that specifies the relative position of a Web Part in a Web Part zone. Web Parts are positioned from the smallest to the largest zone index. If two or more Web Parts have the same zone index they are positioned adjacent to each other in an undefined order.

website: A group of related pages and data within a SharePoint site collection. The structure and content of a site is based on a site definition. Also referred to as SharePoint site and site.

Welcome page: A page, such as default.aspx, that can be specified as the default redirect target when users browse to a URL without specifying a **leaf name**.

workflow: A structured modular component that enables the automated movement of documents or items through a specific sequence of actions or tasks that are related to built-in or user-defined business processes.

workflow association: An association of a workflow template to a specific list or content type.

workflow history list: A list that stores the history of actions or tasks for a business process.

workflow identifier: A GUID that is used to identify a workflow.

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.

workflow instance: An instance of a workflow association that performs on a list item the process that is defined in a workflow template.

workflow task: An action or task in a sequence that is related to a built-in or user-defined business process.

workflow task list: A list that stores the sequence of actions or tasks for a business process.

workflow template: A definition of operations, the sequence of operations, constraints, and timing for a specific process.

XML: The Extensible Markup Language, as described in [\[XML1.0\]](#).

XML document: A document object that is well formed, as described in [XML], and might be valid. An XML document has a logical structure that is composed of declarations, elements, comments, character references, and processing instructions. It also has a physical structure that is composed of entities, starting with the root, or document, entity.

XML element: An **XML** structure that typically consists of a start tag, an end tag, and the information between those tags. Elements can have attributes (1) and can contain other elements.

XML fragment: Lines of text that adhere to **XML** tag rules, as described in [XML], but do not have a Document Type Definition (DTD) or schema, processing instructions, or any other header information.

XML schema: A description of a type of **XML document** that is typically expressed in terms of constraints on the structure and content of documents of that type, in addition to the basic syntax constraints that are imposed by **XML** itself. An XML schema provides a view of a document type at a relatively high level of abstraction.

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

1.2 References

Links to a document in the Microsoft Open Specifications library point to the correct section in the most recently published version of the referenced document. However, because individual documents in the library are not updated at the same time, the section numbers in the documents may not match. You can confirm the correct section numbering by checking the [Errata](#).

1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact dochelp@microsoft.com. We will assist you in finding the relevant information.

[ECMA-262] ECMA, "ECMAScript Language Specification", Edition 5.1, ECMA-262, June 2011, <http://www.ecma-international.org/publications/standards/Ecma-262.htm>

[ISO-3166] International Organization for Standardization, "Codes for the representation of names of countries and their subdivisions -- Part1: Country codes", ISO 3166-1:2013, November 2013, http://www.iso.org/iso/home/store/catalogue_tc/catalogue_detail.htm?csnumber=63545

Note There is a charge to download the specification.

[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.

[MC-CSDL] Microsoft Corporation, "[Conceptual Schema Definition File Format](#)".

[MS-CSOMREST] Microsoft Corporation, "[SharePoint Client Query OData Protocol](#)".

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

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

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

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

[MS-LISTSWS] Microsoft Corporation, "[Lists Web Service Protocol](#)".

[MS-ODATA] Microsoft Corporation, "[Open Data Protocol \(OData\)](#)".

[MS-SITESS] Microsoft Corporation, "[Sites Web Service Protocol](#)".

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

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

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

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

[MS-WSSFO3] Microsoft Corporation, "[Windows SharePoint Services \(WSS\): File Operations Database Communications Version 3 Protocol](#)".

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

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

[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.rfc-editor.org/rfc/rfc2616.txt>

[RFC4646] Phillips, A., and Davis, M., Eds., "Tags for Identifying Languages", BCP 47, RFC 4646, September 2006, <http://www.rfc-editor.org/rfc/rfc4646.txt>

[RFC5234] Crocker, D., Ed., and Overell, P., "Augmented BNF for Syntax Specifications: ABNF", STD 68, RFC 5234, January 2008, <http://www.rfc-editor.org/rfc/rfc5234.txt>

[RSS2.0] Winer, D., "RSS 2.0 Specification", Fall 2002, version 2.0.1: July 2003, <http://cyber.law.harvard.edu/rss/rss.html>

1.2.2 Informative References

[MS-BDCMFFS] Microsoft Corporation, "[Business Data Connectivity Model File Format Specification](#)".

1.3 Overview

This protocol defines types, methods, and properties that protocol clients use to access **site**, **list**, and other types of data associated with a collaboration server. The set of types and **members** provide a means for remote clients to perform collaboration and communication **tasks**, 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 [\[MS-CSOM\]](#), and the SharePoint Client Query OData Protocol, as described in [\[MS-CSOMREST\]](#). This protocol specifies properties, methods, and types used to access a collaboration server as described in [\[MS-WSSTS\]](#).

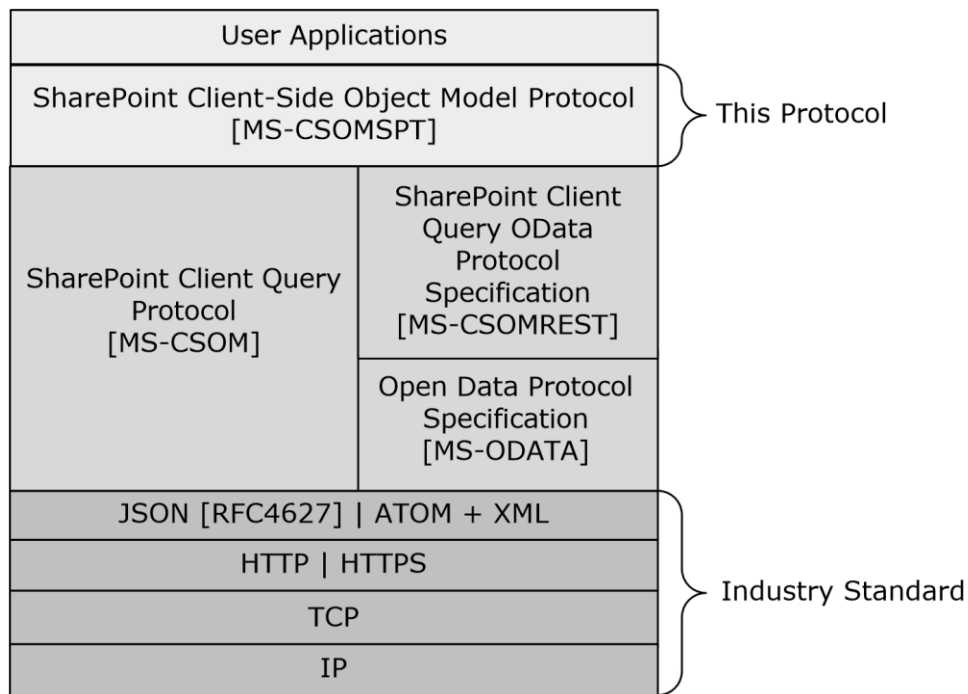


Figure 1: This protocol in relation to other protocols

1.5 Prerequisites/Preconditions

This protocol operates against a site 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. 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 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 need to 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 that implement a different set of functionality compared to the set of functionality described for a collaboration server 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 is 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.

Preliminary

2 Messages

2.1 Transport

Messages are transported by using the SharePoint Client Query Protocol, as specified in [\[MS-CSOM\]](#), or the SharePoint Client Query OData Protocol, as specified in [\[MS-CSOMREST\]](#).

2.2 Message Syntax

2.2.1 Common Exceptions

The protocol server MUST validate the request from the protocol client and return the exception listed in the following table to the protocol client under the specified conditions.

Error Code	Error Type Name	Condition
- 2130575251	Microsoft.SharePoint.SPException	The protocol server requires a form digest but the form digest in the X-RequestDigest HTTP header is not as same as the one generated by the protocol server.
- 2130575252	Microsoft.SharePoint.Exception	The protocol client sent a valid form digest in the X-RequestDigest ([MS-WSSHP] section 2.2.11 and [MS-SITESS] section 3.1.4) HTTP header, but the form digest is expired.
- 2146232832	Microsoft.SharePoint.SPException	The protocol server requires a form digest but the protocol client did not send an X-RequestDigest ([MS-WSSHP] section 2.2.11) HTTP header.

When a protocol server processes a CSOM operation in the request, the following table lists 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 permission to access a property, update a property or call a method.

Besides the preceding exceptions and the exceptions that are listed for the specific properties or methods, the protocol server can return other exceptions to the protocol client, for which the protocol client could use the error message for display purposes but could not use the error code or error type to determine the causes of the exception.

Unless specified, exceptions listed for the specific properties are thrown for both read and write operations.

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.

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.

ObjectPath Properties are properties of type CSOM Object as defined in [\[MS-CSOM\]](#) section 2.2.4.4, Scalar Properties are properties of any type except of type CSOM Object as defined in [\[MS-CSOM\]](#) section 2.2.4 and [\[MS-CSOM\]](#) section 2.2.5.

3.2 Server Details

3.2.1 Abstract Data Model

This protocol shares the abstract data model used by the SharePoint Client Query protocol, as described in [\[MS-CSOM\]](#) section [3.1.1](#), to communicate with the protocol server.

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 specification does not mandate that implementations adhere to this model as long as their external behavior is consistent with that described in this specification.

This protocol deals with various structures associated with sites, lists, 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)
Microsoft.SharePoint.Client.SecurableObject (section 3.2.5.118)	Microsoft.SharePoint.Client.List (section 3.2.5.79) Microsoft.SharePoint.Client.ListItem (section 3.2.5.87) Microsoft.SharePoint.Client.Web (section 3.2.5.143)
Microsoft.SharePoint.Client.Field (section 3.2.5.37)	Microsoft.SharePoint.Client.FieldCalculated (section 3.2.5.38) Microsoft.SharePoint.Client.FieldComputed (section 3.2.5.42) Microsoft.SharePoint.Client.FieldDateTime (section 3.2.5.44) Microsoft.SharePoint.Client.FieldGuid (section 3.2.5.45) Microsoft.SharePoint.Client.FieldLookup (section 3.2.5.49) Microsoft.SharePoint.Client.FieldMultiChoice (section 3.2.5.51) Microsoft.SharePoint.Client.FieldMultiLineText (section 3.2.5.52) Microsoft.SharePoint.Client.FieldNumber (section

Parent Type	Derived Type(s)
	3.2.5.53 Microsoft.SharePoint.Client.FieldText (section 3.2.5.57) Microsoft.SharePoint.Client.FieldUrl (section 3.2.5.59) Microsoft.SharePoint.Client.FieldGeolocation (section 3.2.5.185)
Microsoft.SharePoint.Client.FieldLookup (section 3.2.5.49)	Microsoft.SharePoint.Client.FieldUser (section 3.2.5.61)
Microsoft.SharePoint.Client.FieldMultiChoice (section 3.2.5.51)	Microsoft.SharePoint.Client.FieldChoice (section 3.2.5.40) Microsoft.SharePoint.Client.FieldRatingScale (section 3.2.5.54)
Microsoft.SharePoint.Client.FieldNumber (section 3.2.5.53)	Microsoft.SharePoint.Client.FieldCurrency section 3.2.5.43)
Microsoft.SharePoint.Client.FieldLookupValue (section 3.2.5.50)	Microsoft.SharePoint.Client.FieldUserValue section 3.2.5.63)
Microsoft.SharePoint.Client.Change (section 3.2.5.7)	Microsoft.SharePoint.Client.ChangeAlert (section 3.2.5.8) Microsoft.SharePoint.Client.ChangeContentType (section 3.2.5.10) Microsoft.SharePoint.Client.ChangeField (section 3.2.5.11) Microsoft.SharePoint.Client.ChangeFile section 3.2.5.12) Microsoft.SharePoint.Client.ChangeFolder (section 3.2.5.13) Microsoft.SharePoint.Client.ChangeGroup (section 3.2.5.14) Microsoft.SharePoint.Client.ChangeItem (section 3.2.5.15) Microsoft.SharePoint.Client.ChangeList (section 3.2.5.16) Microsoft.SharePoint.Client.ChangeSite (section 3.2.5.18) Microsoft.SharePoint.Client.ChangeUser (section 3.2.5.21) Microsoft.SharePoint.Client.ChangeView (section 3.2.5.22) Microsoft.SharePoint.Client.ChangeWeb (section 3.2.5.23)

3.2.1.2 Abstract Data Model for REST List Items Support

This section describes the relationship between the abstract data model as specified in [\[MS-WSSTS\]](#) section 2.1.2.10 and the Entity Data Model as specified in [\[MC-CSDL\]](#) section 1.0.<1> The mapping between Entity Data Model concepts and those of the AtomPub specification is specified in [\[MS-ODATA\]](#) section [2.2.1](#). The described relationship 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 the behavior specified in [\[MS-ODATA\]](#) and [\[MC-CSDL\]](#).

Data structures as specified in [MS-WSSTS] map to Entity Data Model terms as shown in the following table:

List Item Data Structure	Entity Data Model Term
List Item	Entity
Lookup Field	Integer and NavigationProperty
Choice Field	Multi-Value Property
Attachments Field	Bool
ID Field	EntityKey
Content Type	Entity
All other fields of a list item	NavigationProperty

3.2.1.3 Field Type to Client Scalar Property Type

The mapping from a **list item** entity field type to a client scalar property type is shown in the following table:

Field Type	Client Scalar Property Type
Boolean Attachments AllDayEvent CrossProjectLink Recurrence	bool
Calculated Choice Computed ContentTypeId File Note Text WorkflowEventType	String
Counter Integer ModStat WorkflowStatus	Int
Currency Number	Double
DateTime	DateTime
Error PageSeparator ThreadIndex Threading	Object

Field Type	Client Scalar Property Type
Guid	Guid
Lookup User	Int or int[]
GridChoice	FieldRatingScaleQuestionAnswer[]
MultiChoice	String[]
URL	FieldUrlValue

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.

3.2.5.1.1 Field Values

3.2.5.1.1.1 DefaultValue

Value: 0

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

3.2.5.1.1.2 AddToDefaultContentType

Value: 1

Specifies that a new field added to the list 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 MUST NOT be added to any other content type.

3.2.5.1.1.4 AddToAllContentTypes

Value: 4

Specifies that a new field that is added to the specified list 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 that is added to the specified list 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 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	UseClientIntegration	Enables user to launch client applications.
6	UseRemoteAPIs	Allow use of Simple Object Access Protocol (SOAP) , WebDAV , or [MS-FPSE] to access the site.

Bit Number	Permission Name	Explanation
7	ManageAlerts	Manage alerts for all users of the site.
8	CreateAlerts	Create e-mail alerts.
9	EditMyUserInfo	Allows a user to change his or her user information, such as adding a picture.
31	EnumeratePermissions	Enumerate permissions on site, list, folder , document, or list item.

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	ViewListItems	View items in lists, documents in document libraries , and Web discussion comments .
2	AddListItems	Add items to lists (1), documents to document libraries, and Web discussion .
3	EditListItems	Edit items in lists (1), edit documents in document libraries, edit Web discussion comments in documents, and customize Web Part Pages in document libraries.
4	DeleteListItems	Delete items from a list (1), documents from a document library, and Web discussion comments in documents.
5	ApproveItems	Approve a minor version of a list item or document.
6	OpenItems	View the source of documents with file handlers from the protocol server.
7	ViewVersions	View past versions of a list item or document.
8	DeleteVersions	Delete past versions of a list item or document.
9	CancelCheckout	Discard or check in a document that is checked out to another user.
10	ManagePersonalViews	Create, change, and delete personal views of lists (1).

Bit Number	Permission Name	Explanation
12	ManageLists	Create and delete lists (1), add or remove columns in a list (1), and add or remove public views of a list (1).
13	ViewFormPages	View forms, views , and application pages, and enumerate lists (1).
17	Open	Allow users to open a site, list (1), or folder to access items inside that container.
18	ViewPages	View pages in a site (2).
19	AddAndCustomizePages	Add, change, or delete HTML pages or Web Part Pages, and edit the site (2) by using a compatible editor.
20	ApplyThemeAndBorder	Apply a theme or borders to the entire site (2).
21	ApplyStyleSheets	Apply a style sheet (.css file) to the site (2).
22	ViewUsageData	View reports on site (2) usage.
23	CreateSSCSite	Create a site (2) by using the self-service site collection creation feature.
24	ManageSubwebs	Create subsites such as team sites (2), Meeting Workspace sites , and Document Workspace sites (2).
25	CreateGroups	Create a group of users that can be used anywhere within the site collection.
26	ManagePermissions	Create and change permission levels on the site (2) and assign permissions to users and groups (2).
27	BrowseDirectories	Enumerate files and folders in a site (2) by using [MS-FPSE] and WebDAV interfaces.
28	BrowseUserInfo	View information about users of the site (2).
29	AddDelPrivateWebParts	Add or remove personal Web Parts on a Web Part Page.
30	UpdatePersonalWebParts	Update Web Parts to display personalized information.
31	ManageWeb	Grant the ability for a site collection administrator to perform all administration tasks for the site (2) as well as manage content, activate, deactivate, or edit properties of site (2) scoped features through the object (2)

Bit Number	Permission Name	Explanation
		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 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 [<2>](#) 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 the mode of handling files in the list.

3.2.5.4.1 Field Values

3.2.5.4.1.1 Permissive

Value: 0

Permissive mode of handling files. Value is 0.

3.2.5.4.1.2 Strict

Value: 1

Strict mode of handling files. Value is 1.

3.2.5.5 Microsoft.SharePoint.Client.CalendarType

ShortName: SP.CalendarType

Flag: false

As specified in [\[MS-WSSFO2\]](#) section 2.2.3.3 or [\[MS-WSSFO3\]](#) section [2.2.1.2.3](#).

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.

3.2.5.5.1.16 UmAlQura

Value: 23

Specifies an Umm al-Qura calendar type. [<3>](#)

3.2.5.6 Microsoft.SharePoint.Client.CamlQuery

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

ShortName: SP.CamlQuery

Specifies a **query** on a list.

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 are to 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

Base class for a change. installation.

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

Returns an SPChangeToken that represents the change.

3.2.5.7.1.1.2 ChangeType

Type: Microsoft.SharePoint.Client.ChangeType

Accessibility: Read Only

Returns an SPChangeType that indicates the type of change, including adding, updating, deleting, or renaming changes, but also moving items away from or into lists and folders.

3.2.5.7.1.1.3 SiteId

Type: **CSOM GUID**

Accessibility: Read Only

SiteId Returns the Id of the site of the changed item

3.2.5.7.1.1.4 Time

Type: **CSOM DateTime**

Accessibility: Read Only

Time Returns the time the item was modified. This is not the same as 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**, as 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.Change.ChangeType**, as 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**, as 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**, as 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 that contains the changed alert.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields (2) item of the change collection is NULL.

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 (1).

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.Change.ChangeToken**, as 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**, as 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**, as 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**, as 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 that contains the changed content type.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields (2) item of the change collection is NULL.

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**, as 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**, as 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 field identifier in the change fields (2) item of the change collection is NULL.

3.2.5.11.1.1.4 SiteId

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as 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**, as 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 that contains the changed field (2).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields (2) item of the change collection is NULL.

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**, as 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**, as 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**, as 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**, as 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 document identifier in the change fields (2) item of the change collection is NULL.

3.2.5.12.1.1.6 WebId

Type: CSOM GUID

Accessibility: Read Only

Identifies the site that contains the changed file.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields (2) item of the change collection is NULL.

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 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**, as 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**, as 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**, as 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**, as 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 (2) item of the change collection is NULL.

3.2.5.13.1.1.6 WebId

Type: CSOM GUID

Accessibility: Read Only

Identifies the site that contains the changed folder.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields (2) item of the change collection is NULL.

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.

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**, as 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**, as 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.

3.2.5.14.1.1.4 SiteId

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as 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**, as 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**, as 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**, as 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 item identifier in the change fields (2) item of the change collection is NULL.

3.2.5.15.1.1.4 ListId

Type: CSOM GUID

Accessibility: Read Only

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list identifier in the change fields (2) item of the change collection is NULL.

3.2.5.15.1.1.5 SiteId

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as 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**, as 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 that contains the changed item.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields (2) item of the change collection is NULL.

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**, as 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**, as 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.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list identifier contained in the change fields (2) item of the change collection is NULL.

3.2.5.16.1.1.4 SiteId**Type:** CSOM GUID**Accessibility:** Read OnlySee **Microsoft.SharePoint.Client.Change.SiteId**, as specified in section [3.2.5.7.1.1.3](#).**3.2.5.16.1.1.5 Time****Type:** CSOM DateTime**Accessibility:** Read OnlySee **Microsoft.SharePoint.Client.Change.Time**, as 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 that contains the changed list.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields (2) item of the change collection is NULL.

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

Defines a query that is performed against the change log in wssnoverslong.

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 change 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 change query.

3.2.5.17.1.1.13 Item

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether general changes to list or site items are included in the query.

3.2.5.17.1.1.14 List

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether changes to lists 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 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 changes that are global within the scope of the change collection 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**, as 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**, as 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**, as 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**, as 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 the following, in order:

1. The version number of the change token.
2. The change token's collection scope.
3. The collection scope **GUID**.
4. The time of the change token in ticks.
5. The change number.

The collection scope MUST be one of the values listed in the following table.

Value	Description
0	The change token refers to a content database .
1	The change token refers to a site collection.
2	The change token refers to a site.
3	The change token refers to a list.

Exceptions:

Error Code	Error Type Name	Condition
-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.
-1	System.OverflowException	Input string for the first or second section is either too large or too small for a CSOM Int32. Input string for the fourth or fifth section is either too large or too small for a CSOM Int64 .

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 (1) has been added within the scope of a list, site, site collection, or content database.

3.2.5.20.1.3 Update

Value: 2

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

3.2.5.20.1.4 DeleteObject

Value: 3

Specifies that an object (1) has been deleted within the scope of a list, site, 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 (1) was moved away from the location within the site 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 (1) was moved into the location within the site specified by the change.

3.2.5.20.1.8 Restore

Value: 7

Specifies that an object (1) 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. The list MUST have different permissions from its parent.

3.2.5.20.1.13 AssignmentDelete

Value: 12

Specifies that a user has lost permissions to a list. The list MUST have different permissions from its parent.

3.2.5.20.1.14MemberAdd

Value: 13

Specifies that a user has been added to a group.

3.2.5.20.1.15MemberDelete

Value: 14

Specifies that a user has been removed from a group.

3.2.5.20.1.16SystemUpdate

Value: 15

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

3.2.5.20.1.17Navigation

Value: 16

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

3.2.5.20.1.18ScopeAdd

Value: 17

Specifies that a change in permissions scope has been made to break inheritance from the parent of an object (1).

3.2.5.20.1.19ScopeDelete

Value: 18

Specifies that a change in permissions scope has been made to revert back to inheriting permissions from the parent of an object (1).

3.2.5.20.1.20ListContentTypeAdd

Value: 19

Specifies that a list content type has been added.

3.2.5.20.1.21ListContentTypeDelete

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 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, 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**, as 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**, as 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**, as 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**, as 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**, as 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**, as 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 that contains the changed view.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list identifier in the change fields (2) item of the change collection is NULL.

3.2.5.22.1.1.4 SiteId

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as 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**, as 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 that contains the changed view.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields (2) item of the change collection is NULL.

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.

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**, as 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**, as 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**, as 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**, as 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 that has changed.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The site identifier in the change fields (2) item of the change collection is NULL.

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

An enumeration describing the different checkout 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

3.2.5.25.1.2 Offline

Value: 1

3.2.5.25.1.3 None

Value: 2

3.2.5.26 Microsoft.SharePoint.Client.ChoiceFormatType

ShortName: SP.ChoiceFormatType

Flag: false

Specifies how options for how to display selections in a choice field.

3.2.5.26.1 Field Values

3.2.5.26.1.1 Dropdown

Value: 0

Drop-down list box.

3.2.5.26.1.2 RadioButtons

Value: 1

Option buttons.

3.2.5.27 Microsoft.SharePoint.Client.ContentType

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

ShortName: SP.ContentType

Specifies a content type.

The SchemaXmlWithResourceTokens property is not included in the **default scalar property set** for this 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
-2130575338	Microsoft.SharePoint.SPException	List 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.

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.

3.2.5.27.1.1.17 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets or sets the JSLink for the content type custom form template. <4>

3.2.5.27.1.1.18 Sealed

Type: CSOM Boolean

Accessibility: Read/Write

Sealed <5> specifies whether the content type is sealed. Only a site collection administrator can set this value.

3.2.5.27.1.1.19 StringId

Type: CSOM String

Accessibility: Read Only

A string representation of the value of the **Id** (section [3.2.5.27.1.1.10](#)). <6>

3.2.5.27.1.1.20 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read/Write

Gets the unlocalized schema XML for the content type.

3.2.5.27.1.1.21 MobileDisplayFormUrl

Type: CSOM String

Accessibility: Read/Write

Specifies the URL of a custom mobile Display form page to use for items assigned this content type.

3.2.5.27.1.1.22 MobileEditFormUrl

Type: CSOM String

Accessibility: Read/Write

Specifies the URL of a custom mobile edit form page to use for items assigned this content type.

3.2.5.27.1.1.23 MobileNewFormUrl

Type: CSOM String

Accessibility: Read/Write

Specifies the URL of a custom mobile new form page to use for items assigned this 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

Specifies 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

3.2.5.27.2.1.2 Update

Return Type: None

Updates the content type, and any **child** objects (1) of the content type if specified, with any changes made to the content type.

Parameters:

updateChildren: Specifies whether changes propagate to child objects (1) of the content type.

Type: CSOM Boolean

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 is to 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
183	Microsoft.SharePoint.SPException	A content type with a name specified by the Name 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
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 as defined in [\[RFC5234\]](#):

```

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]

```

3.2.5.28.2.2.4 AddAvailableContentType

Return Type: Microsoft.SharePoint.Client.ContentType

Adds the specified content type to the content type collection.

Parameters:

contentTypeId: Specifies the identifier of the content type to be added to the content type collection. It MUST exist in the web's available content types.

Type: CSOM String

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
183	Microsoft.SharePoint.SPException	A ContentType with the same name exists.

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 to 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 to 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 Id

Type: CSOM String

Accessibility: Read/Write

Specifies the **ContentTypeId** (section [3.2.5.30](#)) of the content type to be constructed.

This property MUST NOT be set at the same time as the **ParentContentType** (section [3.2.5.29.1.2.1](#)) property.

3.2.5.29.1.1.4 Name

Type: CSOM String

Accessibility: Read/Write

Specifies the name of the content type to 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 to be constructed.

The list 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 customization (ghost) status of the SPFile.

3.2.5.31.1 Field Values

3.2.5.31.1.1 None

Value: 0

The page was never cached. Value is 0.

3.2.5.31.1.2 Uncustomized

Value: 1

The page is cached and has not been customized. Value is 1.

3.2.5.31.1.3 Customized

Value: 2

The page was cached but has been customized. Value is 2.

3.2.5.32 Microsoft.SharePoint.Client.DateTimeFieldFormatType

ShortName: SP.DateTimeFieldFormatType

Flag: false

Specifies the format to use in displaying date and time fields.

3.2.5.32.1 Field Values

3.2.5.32.1.1 DateOnly

Value: 0

Only the date is displayed.

3.2.5.32.1.2 DateTime

Value: 1

Both the date and the time are displayed.

3.2.5.33 Microsoft.SharePoint.Client.DraftVisibilityType

ShortName: SP.DraftVisibilityType

Flag: false

Specifies the kind of user who can view the minor version of a document draft.

3.2.5.33.1 Field Values

3.2.5.33.1.1 Reader

Value: 0

Reader. Value = 0.

3.2.5.33.1.2 Author

Value: 1

Author. Value = 1.

3.2.5.33.1.3 Approver

Value: 2

Approver. Value = 2.

3.2.5.34 Microsoft.SharePoint.Client.Feature

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

ShortName: SP.Feature

The top level object representing a SharePoint Feature activation.

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

Gets the GUID that identifies 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 "true".

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 continue with the operation even if there are errors.

Type: CSOM Boolean

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

Type: Microsoft.SharePoint.Client.FeatureDefinitionScope

It MUST have the value of FeatureDefinitionScope.Site or FeatureDefinitionScope.Farm [<7>](#).

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

3.2.5.36 Microsoft.SharePoint.Client.FeatureDefinitionScope

ShortName: SP.FeatureDefinitionScope

Flag: false

Scope of the SPFeatureDefinition

3.2.5.36.1 Field Values

3.2.5.36.1.1 None

Value: 0

Specifies no scope.

3.2.5.36.1.2 Farm

Value: 1

Specifies farm scope.

3.2.5.36.1.3 Site

Value: 2

Specifies site collection scope.

3.2.5.36.1.4 Web

Value: 3

Specifies web scope.

3.2.5.37 Microsoft.SharePoint.Client.Field

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

ShortName: SP.Field

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

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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 is an external list .

3.2.5.37.1.1.3 Description

Type: CSOM String

Accessibility: Read/Write

Specifies the description of the field (2).

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) that is specified in section [3.2.5.79.1.1.14](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list is an external list.

3.2.5.37.1.1.5 EnforceUniqueValues

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the field (2) enforces unique values.

The value MUST NOT be set to "true" for the following built-in fields (2)

Field Identifier	Field Name
{1df5e554-ec7e-46a6-901d-d85a3881cb18}	Author
{d31655d1-1d5b-4511-95a1-7a09e9b75bf2}	Editor
{28cf69c5-fa48-462a-b5cd-27b6f9d2bd5f}	Modified
{7841bf41-43d0-4434-9f50-a673baef7631}	_UIVersion
{8c06beca-0777-48f7-91c7-6da68bc07b69}	Created
{26d0756c-986a-48a7-af35-bf18ab85ff4a}	_HasCopyDestinations
{3881510a-4e4a-4ee8-b102-8ee8e2d0dd4b}	CheckoutUser
{c042a256-787d-4a6f-8a8a-cf6ab767f12d}	ContentType

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list 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
-1	System.NotSupportedException	Value is changed, and the list 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 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 (2) 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
-1	System.NotSupportedException	Value is changed, and the list 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**.

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 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. If the field (2) requires a value, this value MUST be set to "true". Otherwise, it MUST be set to "false".

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list 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 2.2.8.3.3 [or](#) [\[MS-WSSFO3\]](#) section 2.2.7.3.3.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a non-NULL or non-empty value, and the list 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 or the site 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 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
-1	System.NotSupportedException	Value is changed, and the list 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).

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
-1	System.NotSupportedException	Value is changed, and the list 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).

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.

3.2.5.37.1.1.26 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any client rendering logic for fields (2) of this type.

3.2.5.37.1.1.27 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2).

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

3.2.5.37.1.1.28 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.37.1.1.29 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.37.2.1.2 setShowInDisplayForm

Return Type: None

Sets the value of **ShowInDisplayForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.37.2.1.3 SetShowInEditForm

Return Type: None

Sets the value of **ShowInEditForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.37.2.1.4 SetShowInNewForm

Return Type: None

Sets the value of **ShowInNewForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.37.2.1.5 Update

Return Type: None

Commits changed properties of the field (2).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field . The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.37.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.37.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. <8>

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

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**.

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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**, as 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**, as 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 is an external list.

3.2.5.38.1.1.4 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.38.1.1.5 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list is an external list.

3.2.5.38.1.1.6 EnforceUniqueValues

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#)

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list 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**, as specified in section [3.2.5.37.1.1.6](#).

Exceptions:

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

3.2.5.38.1.1.8 Filterable

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, as 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 (2) 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**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.38.1.1.12 Hidden

Type: CSOM Boolean

Accessibility: Read/Write

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

3.2.5.38.1.1.13 Id

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Id**, as 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**, as 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.

3.2.5.38.1.1.16 ReadOnlyField

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, as 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 is an external list.

3.2.5.38.1.1.17 Required

Type: CSOM Boolean

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list is an external list.

3.2.5.38.1.1.18 SchemaXml

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, as 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 [2.2.8.3.3](#) or [\[MS-WSSFO3\]](#) section [2.2.7.3.3](#).

Exceptions:

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

3.2.5.38.1.1.19 Scope

Type: CSOM String

Accessibility: Read Only

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

Exceptions:

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

3.2.5.38.1.1.23 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.38.1.1.24 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.38.1.1.25 TypeDisplayName

Type: CSOM String

Accessibility: Read Only

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

3.2.5.38.1.1.28 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.38.1.1.29 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

3.2.5.38.1.1.30 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2).

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

3.2.5.38.1.1.31 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.38.1.1.32 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.38.2.1.2 setShowInDisplayForm

Return Type: None

Sets the value of **ShowInDisplayForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.38.2.1.3 setShowInEditForm

Return Type: None

Sets the value of **ShowInEditForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.38.2.1.4 setShowInNewForm

Return Type: None

Sets the value of **ShowInNewForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.38.2.1.5 Update

Return Type: None

Commits changed properties of the field (2).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.38.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.38.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. <9>

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

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

The value of a calculated field when the field value is actually 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

Error message.

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).

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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**, as specified in section [3.2.5.37.1.1.1](#).

3.2.5.40.1.1.2 Choices

Type: CSOM array of CSOM String

Accessibility: Read/Write

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

3.2.5.40.1.1.3 DefaultValue

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, as 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 is an external list.

3.2.5.40.1.1.4 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.40.1.1.5 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list 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

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#)

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	If the field (2) belongs to a list 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**, as specified in section [3.2.5.37.1.1.6](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The field (2) belongs to a list 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**, as 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**, as 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
-1	System.NotSupportedException	If this field (2) belongs to a list 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**, as specified in section [3.2.5.37.1.1.10](#).

3.2.5.40.1.1.14 Id

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Id**, as 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**, as 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 an XML fragment that conforms to **MAPPINGDEFINITION**, as specified in [\[MS-WSSFO3\]](#) section 2.2.7.3.13.

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**, as 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 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**, as 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 [\[MS-WSSCAML\]](#) or a string that is NULL or empty.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list that the field (2) belongs to has an external data source 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**, as 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**, as 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**, as 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**, as specified in section [3.2.5.37.1.1.19](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	If this field (2) belongs to a list 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**, as specified in section [3.2.5.37.1.1.20](#).

3.2.5.40.1.1.25 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	If the list 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**, as 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**, as 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**, as specified in section [3.2.5.37.1.1.24](#).

3.2.5.40.1.1.29 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.40.1.1.30 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

3.2.5.40.1.1.31 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2).

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

3.2.5.40.1.1.32 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.40.1.1.33 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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
-1	System.InvalidOperationException	The field (2) does not allow deletion.

3.2.5.40.2.1.2 setShowInDisplayForm

Return Type: None

Sets the value of **ShowInDisplayForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.40.2.1.3 setShowInEditForm

Return Type: None

Sets the value of **ShowInEditForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.40.2.1.4 SetShowInNewForm

Return Type: None

Sets the value of **ShowInNewForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.40.2.1.5 Update

Return Type: None

Updates the field (2).

Parameters: None

Exceptions:

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.
- 2130246238	Microsoft.SharePoint.SPException	Changing a field (2) to stop indexing that does not allow duplicate values.
- 2130246236	Microsoft.SharePoint.SPException	Changing the field type of the field (2) that does not allow duplicate values.

3.2.5.40.2.1.6 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
- 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.
-	Microsoft.SharePoint.SPException	Changing a field (2) to stop indexing that does not allow

Error Code	Error Type Name	Condition
2130246238		duplicate values.
- 2130246236	Microsoft.SharePoint.SPException	Changing the field type of a field (2) that does not allow duplicate values.

3.2.5.40.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. <10>

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

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

Represents a read only 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 in which each field (2) in SchemaXml conforms to the **FieldDefinition** type as defined in [\[MS-WSSFO2\]](#) section 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section [2.2.7.3.3](#).

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

Parameters:

field: A Microsoft.Sharepoint.Field object (1)

Type: Microsoft.SharePoint.Client.Field

It MUST NOT be NULL.

3.2.5.41.2.2.2 AddDependentLookup

Return Type: Microsoft.SharePoint.Client.Field

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

Parameters:

displayName: Title of the added field (2).

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 (2) from the target list 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 (2) 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 be a valid XML string corresponding to the following schema:

```
<s:element name="Field" minOccurs="1" maxOccurs="1" type="core:FieldDefinition">
```

The **FieldDefinition** type is specified in [\[MS-WSSFO2\]](#) section 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section 2.2.7.3.3.

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

addToDefaultView: Specifies to add the field (2) to the default list 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
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions.

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 (2) identifier.

Type: CSOM GUID

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.

3.2.5.41.2.2.6 GetByTitle

Return Type: Microsoft.SharePoint.Client.Field

Returns the first field (2) object (1) 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.

3.2.5.41.2.2.7 AddDependentLookupField

Return Type: Microsoft.SharePoint.Client.Field

Adds a secondary lookup field to a field (2) collection. [<11>](#) A reference to the SP.Field that was added is returned.

Parameters:

displayName: Title of the added field (2).

Type: CSOM String

primaryLookupFieldId: 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: CSOM GUID

showField: A string that contains the internal name of the new field (2).

Type: CSOM String

3.2.5.41.2.2.8 AddField

Return Type: Microsoft.SharePoint.Client.Field

Adds a field (2) to the field (2) collection. [<12>](#) A reference to the **SP.Field** (section [3.2.5.37](#)) that was added is returned.

Parameters:

parameters: The metadata of the field (2) to be added.

Type: Microsoft.SharePoint.Client.FieldCreationInformation

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
- 2146232832	Microsoft.SharePoint.SPException	Functionality is unavailable for fields not associated with a list, a user tried to add a new field (2) using a duplicate identifier, a user tried to add a relationship behavior to a site (2) column, a user tried to update a configuration database while object had been changed by another user, a user tried to add a field (2) without specifying a display name, or a user tried to set unique column constraints to "true" for a field (2) that cannot be set to "false".
- 2130575340	Microsoft.SharePoint.SPException	One or more field (2) types are not installed properly.
- 2130575199	Microsoft.SharePoint.SPException	Formula is empty for the calculated field (2) type.
- 2147024860	Microsoft.SharePoint.SPQueryThrottledException	There is a throttle failure.

Error Code	Error Type Name	Condition
- 2147024749	Microsoft.SharePoint.SPQueryThrottledException	There is a join throttle failure.
- 2147024809	System.ArgumentException	Field (2) with the specified internal name or title does not exist in the collection at the given scope.
- 2147024891	System.UnauthorizedAccessException	User does not have permissions to get the field (2).

3.2.5.41.2.2.9 CreateFieldAsXml

Return Type: Microsoft.SharePoint.Client.Field

Creates a field based on the values defined in the *parameters* input parameter. <13>

Parameters:

parameters: Defines the information needed to create a field (2) using an XML schema.

Type: Microsoft.SharePoint.Client.XmlSchemaFieldCreationInformation

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
- 214623283 2	Microsoft.SharePoint.SPException	Functionality is unavailable for fields (2) not associated with a list, or a user tried to add a new field using a duplicate identifies, or a user tried to add a field with a duplicate name and the AddFieldOptions.AddFieldCheckDisplayName input parameter is specified, or a user tried to add a relationship behavior to a site column, or a user tried to update a configuration database while object has been changed by another user, or a user tried to add a field (2) without specifying a display name, or a user tried to set unique column constraints to "true" for a field (2) that cannot be set to "false".
- 213057534 0	Microsoft.SharePoint.SPException	One or more field types are not installed properly.
- 213057519 9	Microsoft.SharePoint.SPException	Formula is empty for the calculated field type.
- 214702486 0	Microsoft.SharePoint.SPQueryThrottledException	There is a throttle failure.
- 214702474 9	Microsoft.SharePoint.SPQueryThrottledException	There is a join throttle failure.

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 the given scope.
-2147024891	System.UnauthorizedAccessException	User does not have permissions to get the field (2).

3.2.5.42 Microsoft.SharePoint.Client.FieldComputed

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

ShortName: SP.FieldComputed

Specifies a **computed field**.

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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**, as 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**, as 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 is an external list.

3.2.5.42.1.1.3 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.42.1.1.4 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none", and the list 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

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list 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**, as specified in section [3.2.5.37.1.1.6](#).

Exceptions:

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

3.2.5.42.1.1.8 Filterable

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, as 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 (2) 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**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.42.1.1.11 Hidden

Type: CSOM Boolean

Accessibility: Read/Write

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

3.2.5.42.1.1.12 Id

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Id**, as 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**, as 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**, as 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 is an external list.

3.2.5.42.1.1.15 Required

Type: CSOM Boolean

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list is an external list.

3.2.5.42.1.1.16 SchemaXml

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, as 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 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section [2.2.7.3.3](#).

Exceptions:

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

3.2.5.42.1.1.17 Scope

Type: CSOM String

Accessibility: Read Only

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

Exceptions:

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

3.2.5.42.1.1.21 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.42.1.1.22 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.42.1.1.23 TypeDisplayName

Type: CSOM String

Accessibility: Read Only

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

3.2.5.42.1.1.26 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.42.1.1.27 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

3.2.5.42.1.1.28 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2).

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

3.2.5.42.1.1.29 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.42.1.1.30 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.42.2.1.2 setShowInDisplayForm

Return Type: None

Sets the value of **ShowInDisplayForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.42.2.1.3 setShowInEditForm

Return Type: None

Sets the value of **ShowInEditForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.42.2.1.4 SetShowInNewForm

Return Type: None

Sets the value of **ShowInNewForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.42.2.1.5 Update

Return Type: None

Commits changed properties of the field (2).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.42.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.42.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. <14>

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

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.

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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**, as 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](#).

3.2.5.43.1.1.3 DefaultValue

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, as 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 is an external list.

3.2.5.43.1.1.4 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.43.1.1.5 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list is an external list.

3.2.5.43.1.1.6 EnforceUniqueValues

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list 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**, as specified in section [3.2.5.37.1.1.6](#).

Exceptions:

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

3.2.5.43.1.1.8 Filterable

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, as 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 (2) 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**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.43.1.1.11 Hidden

Type: CSOM Boolean

Accessibility: Read/Write

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

3.2.5.43.1.1.12 Id

Type: CSOM GUID

Accessibility: Read Only

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

3.2.5.43.1.1.13 InternalName

Type: CSOM String

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.InternalName**, as 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**, as specified in section [3.2.5.53.1.1.13](#).

3.2.5.43.1.1.15 MinimumValue

Type: CSOM Double

Accessibility: Read/Write

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

3.2.5.43.1.1.16 ReadOnlyField

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, as 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 is an external list.

3.2.5.43.1.1.17 Required

Type: CSOM Boolean

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list is an external list.

3.2.5.43.1.1.18 SchemaXml

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, as 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 [2.2.8.3.3](#) or [\[MS-WSSFO3\]](#) section [2.2.7.3.3](#).

Exceptions:

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

3.2.5.43.1.1.19 Scope

Type: CSOM String

Accessibility: Read Only

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

Exceptions:

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

3.2.5.43.1.1.23 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.43.1.1.24 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.43.1.1.25 TypeDisplayName

Type: CSOM String

Accessibility: Read Only

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

3.2.5.43.1.1.28 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.43.1.1.29 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

3.2.5.43.1.1.30 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2).

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

3.2.5.43.1.1.31 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.43.1.1.32 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.43.2.1.2 SetShowInDisplayForm**Return Type:** NoneSets the value of **ShowInDisplayForm** property for this field.**Parameters:***value:* A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.43.2.1.3 SetShowInEditForm**Return Type:** NoneSets the value of **ShowInEditForm** property for this field.**Parameters:***value:* A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.43.2.1.4 SetShowInNewForm**Return Type:** NoneSets the value of **ShowInNewForm** property for this field.**Parameters:***value:* A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.43.2.1.5 Update**Return Type:** None

Commits changed properties of the field (2).

Parameters: None**Exceptions:**

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
-	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and

Error Code	Error Type Name	Condition
2130246238		EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.43.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.43.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. <15>

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

3.2.5.43.2.2 ObjectPath Methods

None.

3.2.5.44 Microsoft.SharePoint.Client.FieldDateTime

TypeId: {4F9DC9B4-D900-40EB-94B9-008ABBF22E1}

ShortName: SP.FieldDateTime

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

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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**, as 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**, as 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 is an external list.

3.2.5.44.1.1.4 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.44.1.1.5 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list 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

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#)

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list 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**, as specified in section [3.2.5.37.1.1.6](#).

Exceptions:

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

3.2.5.44.1.1.9 Filterable

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, as 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**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.44.1.1.12 Hidden

Type: CSOM Boolean

Accessibility: Read/Write

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

3.2.5.44.1.1.13 Id

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Id**, as 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**, as 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**, as 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 is an external list.

3.2.5.44.1.1.16 Required

Type: CSOM Boolean

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list is an external list.

3.2.5.44.1.1.17 SchemaXml

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, as 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 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section [2.2.7.3.3](#).

Exceptions:

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

3.2.5.44.1.1.18 Scope

Type: CSOM String

Accessibility: Read Only

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

Exceptions:

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

3.2.5.44.1.1.22 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.44.1.1.23 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list 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 (2) 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**, as 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**, as specified in section [3.2.5.37.1.1.24](#)

3.2.5.44.1.1.27 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.44.1.1.28 FriendlyDisplayFormat

Type: Microsoft.SharePoint.Client.DateTimeFieldFriendlyFormatType

Accessibility: Read/Write

Gets or sets the type of friendly display format that is used in the field. [<16>](#)

3.2.5.44.1.1.29 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

3.2.5.44.1.1.30 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2).

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

3.2.5.44.1.1.31 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.44.1.1.32 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.44.2.1.2 setShowInDisplayForm

Return Type: None

Sets the value of **ShowInDisplayForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.44.2.1.3 setShowInEditForm

Return Type: None

Sets the value of **ShowInEditForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.44.2.1.4 SetShowInNewForm

Return Type: None

Sets the value of **ShowInNewForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.44.2.1.5 Update

Return Type: None

Commits changed properties of the field (2).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.44.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
-	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and

Error Code	Error Type Name	Condition
2130246238		EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.44.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. <17>

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

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 (GUID) values.

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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**, as 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**, as 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 is an external list.

3.2.5.45.1.1.3 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.45.1.1.4 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list is an external list.

3.2.5.45.1.1.5 EnforceUniqueValues

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list 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**, as specified in section [3.2.5.37.1.1.6](#).

Exceptions:

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

3.2.5.45.1.1.7 Filterable

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, as 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**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.45.1.1.10 Hidden

Type: CSOM Boolean

Accessibility: Read/Write

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

3.2.5.45.1.1.11 Id

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Id**, as 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**, as 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**, as 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 is an external list.

3.2.5.45.1.1.14 Required

Type: CSOM Boolean

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list is an external list.

3.2.5.45.1.1.15 SchemaXml

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, as 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 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section [2.2.7.3.3](#), or a **string** that is NULL or empty.

Exceptions:

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

3.2.5.45.1.1.16 Scope

Type: CSOM String

Accessibility: Read Only

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

Exceptions:

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

3.2.5.45.1.1.20 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.45.1.1.21 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list 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 (2).

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**, as 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**, as specified in section [3.2.5.37.1.1.24](#).

3.2.5.45.1.1.25 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.45.1.1.26 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

3.2.5.45.1.1.27 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2). It MUST NOT be NULL. It MUST NOT be empty.

3.2.5.45.1.1.28 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.45.1.1.29 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	The field (2) cannot be deleted because it does not allow deletion.

3.2.5.45.2.1.2 setShowInDisplayForm

Return Type: None

Sets the value of **ShowInDisplayForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.45.2.1.3 SetShowInEditForm

Return Type: None

Sets the value of **ShowInEditForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.45.2.1.4 SetShowInNewForm

Return Type: None

Sets the value of **ShowInNewForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.45.2.1.5 Update

Return Type: None

Commits changed properties of the field (2).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Changing the type of a field (2) that is being indexed or is already indexed is not allowed.
- 2130246238	Microsoft.SharePoint.SPException	Removing an index from a field (2) that does not allow duplicate values.
- 2130246236	Microsoft.SharePoint.SPException	Changing the type of a field (2) that does not allow duplicate values.

3.2.5.45.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Changing the type of a field (2) that is being indexed or is already indexed is not allowed.
- 2130246238	Microsoft.SharePoint.SPException	Removing an index from a field (2) that does not allow duplicate values.
- 2130246236	Microsoft.SharePoint.SPException	Changing the type of a field (2) that does not allow duplicate values.

3.2.5.45.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. [<18>](#)

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

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 is available in New/Edit list 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 that 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. If the field (2) requires a value, this value MUST be set to "true". Otherwise, it MUST be set to "false".

3.2.5.46.1.1.5 FieldInternalName

Type: CSOM String

Accessibility: Read Only

Specifies the internal name of the field (2).<19>

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

3.2.5.47.2.1.1 Reorder

Return Type: None

Rearranges the collection of field links in the order in which field internal names are specified.

Parameters:

internalNames: Specifies field internal names that are arranged in the order in which collection of field links is reordered.

Type: CSOM array of CSOM String

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.

3.2.5.47.2.2.2 GetById

Return Type: Microsoft.SharePoint.Client.FieldLink

Gets the field link with the given *id* from this collection. [<20>](#) If the *id* is not found in the collection, returns **null**.

Parameters:

id: The GUID that specifies the **Microsoft.SharePoint.Client.FieldLink** (section [3.2.5.46](#)) that is returned.

Type: CSOM GUID

3.2.5.48 Microsoft.SharePoint.Client.FieldLinkCreationInformation

TypeId: {63FB2C92-8F65-4BBB-A658-B6CD294403F4}

ShortName: SP.FieldLinkCreationInformation

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

The Field information of the FieldLink 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

A GUID that specifies a lookup field.

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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.

3.2.5.49.1.1.2 CanBeDeleted

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, as 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**, as 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 is an external list.

3.2.5.49.1.1.4 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.49.1.1.5 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list is an external list.

3.2.5.49.1.1.6 EnforceUniqueValues

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#)

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list 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**, as specified in section [3.2.5.37.1.1.6](#).

Exceptions:

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

3.2.5.49.1.1.8 Filterable

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, as 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 (2) 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**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.49.1.1.11 Hidden

Type: CSOM Boolean

Accessibility: Read/Write

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

3.2.5.49.1.1.12 Id

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Id**, as 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**, as 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 lookup 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 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, used to display lookup values.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list 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 that contains the lookup field.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list 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 containing the list that contains the field (2) used as the lookup values.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list 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
-1	System.NotSupportedException	When the list that this field (2) 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**, as 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 is an external list.

3.2.5.49.1.1.20 RelationshipDeleteBehavior

Type: Microsoft.SharePoint.Client.RelationshipDeleteBehaviorType

Accessibility: Read/Write

Gets or sets a value that specifies the **relationship delete behavior** of the lookup field.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list 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**, as specified in section [3.2.5.37.1.1.14](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list is an external list.

3.2.5.49.1.1.22 SchemaXml

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, as 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 [2.2.8.3.3](#) or [\[MS-WSSFO3\]](#) section [2.2.7.3.3](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value that is not NULL or empty, and the list is an external list.

3.2.5.49.1.1.23 Scope

Type: CSOM String

Accessibility: Read Only

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

Exceptions:

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

3.2.5.49.1.1.27 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.49.1.1.28 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.49.1.1.29 TypeDisplayName

Type: CSOM String

Accessibility: Read Only

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

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**, as 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**, as specified in section [3.2.5.37.1.1.24](#).

3.2.5.49.1.1.32 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.49.1.1.33 Indexed

Type: CSOM Boolean

Accessibility: Read Only

A bit that specifies whether the field (2) is an indexed field. [<21>](#)

3.2.5.49.1.1.34 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

3.2.5.49.1.1.35 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2).
It MUST NOT be NULL. It MUST NOT be empty.

3.2.5.49.1.1.36 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.49.2.1.2 setShowInDisplayForm

Return Type: None

Sets the value of **ShowInDisplayForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.49.2.1.3 setShowInEditForm

Return Type: None

Sets the value of **ShowInEditForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.49.2.1.4 SetShowInNewForm

Return Type: None

Sets the value of **ShowInNewForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.49.2.1.5 Update

Return Type: None

Commits changed properties of the field (2).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.49.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.49.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. <22>

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

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

SPFieldLookupValue: field value class for SPFieldLookup (Lookup field)

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 identifier (ID) of the lookup field.

3.2.5.50.1.1.2 LookupValue

Type: CSOM String

Accessibility: Read Only

Gets the value of the lookup field as a string.

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.

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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**, as specified in section [3.2.5.37.1.1.1](#).

3.2.5.51.1.1.2 Choices

Type: CSOM array of CSOM String

Accessibility: Read/Write

Specifies values that are available for selection in the field (2).

3.2.5.51.1.1.3 DefaultValue

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, as 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 is an external list.

3.2.5.51.1.1.4 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.51.1.1.5 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list is an external list.

3.2.5.51.1.1.6 EnforceUniqueValues

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#)

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list 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**, as specified in section [3.2.5.37.1.1.6](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed, and the list 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**, as 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**, as 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 (2) 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**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.51.1.1.12 Hidden

Type: CSOM Boolean

Accessibility: Read/Write

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

3.2.5.51.1.1.13 Id

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Id**, as 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**, as 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 [\[MS-WSSFO3\]](#) section [2.2.7.3.13](#).

3.2.5.51.1.1.16 ReadOnlyField

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, as 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 is an external list.

3.2.5.51.1.1.17 Required

Type: CSOM Boolean

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list is an external list.

3.2.5.51.1.1.18 SchemaXml

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, as 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 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section [2.2.7.3.3](#).

Exceptions:

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

3.2.5.51.1.1.19 Scope

Type: CSOM String

Accessibility: Read Only

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

Exceptions:

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

3.2.5.51.1.1.23 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.51.1.1.24 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.51.1.1.25 TypeDisplayName

Type: CSOM String

Accessibility: Read Only

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

3.2.5.51.1.1.28 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.51.1.1.29 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

3.2.5.51.1.1.30 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2). It MUST NOT be NULL. It MUST NOT be empty.

3.2.5.51.1.1.31 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.51.1.1.32 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.51.2.1.2 setShowInDisplayForm

Return Type: None

Sets the value of **ShowInDisplayForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.51.2.1.3 SetShowInEditForm

Return Type: None

Sets the value of **ShowInEditForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.51.2.1.4 SetShowInNewForm

Return Type: None

Sets the value of **ShowInNewForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.51.2.1.5 Update

Return Type: None

Commits changed properties of the field (2).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.51.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.51.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. <23>

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

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.

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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**, as 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**, as 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 is an external list.

3.2.5.52.1.1.5 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.52.1.1.6 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list is an external list.

3.2.5.52.1.1.7 EnforceUniqueValues

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#)

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list 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**, as specified in section [3.2.5.37.1.1.6](#).

Exceptions:

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

3.2.5.52.1.1.9 Filterable

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, as 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**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.52.1.1.12 Hidden**Type:** CSOM Boolean**Accessibility:** Read/WriteSee **Microsoft.SharePoint.Client.Field.Hidden**, as specified in section [3.2.5.37.1.1.10](#).**3.2.5.52.1.1.13 Id****Type:** CSOM GUID**Accessibility:** Read OnlySee **Microsoft.SharePoint.Client.Field.Id**, as specified in section [3.2.5.37.1.1.11](#).**3.2.5.52.1.1.14 InternalName****Type:** CSOM String**Accessibility:** Read OnlySee **Microsoft.SharePoint.Client.Field.InternalName**, as 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.

3.2.5.52.1.1.16 ReadOnlyField**Type:** CSOM Boolean**Accessibility:** Read/WriteSee **Microsoft.SharePoint.Client.Field.ReadOnlyField**, as 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 is an external list.

3.2.5.52.1.1.17 Required

Type: CSOM Boolean

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list 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.

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**, as 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 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section [2.2.7.3.3](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value that is not NULL or empty, and the list is an external list.

3.2.5.52.1.1.21 Scope

Type: CSOM String

Accessibility: Read Only

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

Exceptions:

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

3.2.5.52.1.1.25 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.52.1.1.26 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.52.1.1.27 TypeDisplayName

Type: CSOM String

Accessibility: Read Only

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

3.2.5.52.1.1.30 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

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 is an external list.

3.2.5.52.1.1.32 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

3.2.5.52.1.1.33 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2).

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

3.2.5.52.1.1.34 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.52.1.1.35 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.52.2.1.2 setShowInDisplayForm

Return Type: None

Sets the value of **ShowInDisplayForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.52.2.1.3 SetShowInEditForm

Return Type: None

Sets the value of **ShowInEditForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.52.2.1.4 SetShowInNewForm

Return Type: None

Sets the value of **ShowInNewForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.52.2.1.5 Update

Return Type: None

Commits changed properties of the field (2).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.52.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.52.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. [<24>](#)

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

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.

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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**, as 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**, as 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 is an external list.

3.2.5.53.1.1.3 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.53.1.1.4 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list is an external list.

3.2.5.53.1.1.5 EnforceUniqueValues

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#)

Exceptions:

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

3.2.5.53.1.1.6 FieldTypeKind

Type: Microsoft.SharePoint.Client.FieldType

Accessibility: Read/Write

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

Exceptions:

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

3.2.5.53.1.1.7 Filterable

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, as 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 (2) 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**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.53.1.1.10 Hidden

Type: CSOM Boolean

Accessibility: Read/Write

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

3.2.5.53.1.1.11 Id

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Id**, as 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**, as 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).

3.2.5.53.1.1.14 MinimumValue

Type: CSOM Double

Accessibility: Read/Write

Specifies the minimum allowed value for the field (2).

3.2.5.53.1.1.15 ReadOnlyField

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, as 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 is an external list.

3.2.5.53.1.1.16 Required

Type: CSOM Boolean

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list is an external list.

3.2.5.53.1.1.17 SchemaXml

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, as 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 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section [2.2.7.3.3](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value that is not NULL or empty value, and the list is an external list.

3.2.5.53.1.1.18 Scope

Type: CSOM String

Accessibility: Read Only

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

Exceptions:

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

3.2.5.53.1.1.22 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.53.1.1.23 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.53.1.1.24 TypeDisplayName

Type: CSOM String

Accessibility: Read Only

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

3.2.5.53.1.1.27 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.53.1.1.28 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

3.2.5.53.1.1.29 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2).

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

3.2.5.53.1.1.30 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.53.1.1.31 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.53.2.1.2 SetShowInDisplayForm

Return Type: None

Sets the value of **ShowInDisplayForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.53.2.1.3 SetShowInEditForm

Return Type: None

Sets the value of **ShowInEditForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.53.2.1.4 SetShowInNewForm

Return Type: None

Sets the value of **ShowInNewForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.53.2.1.5 Update

Return Type: None

Commits changed properties of the field (2).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.53.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.53.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. [<25>](#)

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

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.

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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**, as specified in section [3.2.5.37.1.1.1](#).

3.2.5.54.1.1.2 Choices

Type: CSOM array of CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.FieldMultiChoice.Choices**, as 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**, as 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 is an external list.

3.2.5.54.1.1.4 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.54.1.1.5 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none", and the list is an external list.

3.2.5.54.1.1.6 EnforceUniqueValues

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#)

Exceptions:

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

3.2.5.54.1.1.8 FillInChoice

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.FieldMultiChoice.FillInChoice**, as 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**, as 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 (2) 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**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.54.1.1.18 Hidden

Type: CSOM Boolean

Accessibility: Read/Write

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

3.2.5.54.1.1.19 Id

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Id**, as 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**, as 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**, as specified in section [3.2.5.51.1.1.15](#).

MUST be NULL or an XML fragment that conforms to **MAPPINGDEFINITION**, as specified in [\[MS-WSSFO3\]](#) section [2.2.7.3.13](#).

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**, as 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 is an external list.

3.2.5.54.1.1.24 Required

Type: CSOM Boolean

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list is an external list.

3.2.5.54.1.1.25 SchemaXml

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, as 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 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section [2.2.7.3.3](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value that is not NULL or empty, and the list is an external list.

3.2.5.54.1.1.26 Scope

Type: CSOM String

Accessibility: Read Only

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

Exceptions:

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

3.2.5.54.1.1.30 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.54.1.1.31 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.54.1.1.32 TypeDisplayName

Type: CSOM String

Accessibility: Read Only

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

3.2.5.54.1.1.35 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.54.1.1.36 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

3.2.5.54.1.1.37 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2). It MUST NOT be NULL. It MUST NOT be empty.

3.2.5.54.1.1.38 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.54.1.1.39 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.54.2.1.2 setShowInDisplayForm

Return Type: None

Sets the value of **ShowInDisplayForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.54.2.1.3 SetShowInEditForm

Return Type: None

Sets the value of **ShowInEditForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.54.2.1.4 SetShowInNewForm

Return Type: None

Sets the value of **ShowInNewForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.54.2.1.5 Update

Return Type: None

Commits changed properties of the field (2).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.54.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.54.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. [<26>](#)

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

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 (2) 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 (2) 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.FieldStringValue

TypeId: {542FA9DF-AC22-4FDB-8BA3-DAB6060C2DE4}

ShortName: SP.FieldStringValue

Specifies a collection that contains key value pairs. The FieldStringValue 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.

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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**, as 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**, as 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 is an external list.

3.2.5.57.1.1.3 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.57.1.1.4 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none", and the list is an external list.

3.2.5.57.1.1.5 EnforceUniqueValues

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#)

Exceptions:

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

3.2.5.57.1.1.6 FieldTypeKind

Type: Microsoft.SharePoint.Client.FieldType

Accessibility: Read/Write

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

Exceptions:

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

3.2.5.57.1.1.7 Filterable

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, as 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 (2) 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**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.57.1.1.10 Hidden

Type: CSOM Boolean

Accessibility: Read/Write

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

3.2.5.57.1.1.11 Id

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Id**, as 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**, as 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.

3.2.5.57.1.1.14 ReadOnlyField

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, as 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 is an external list.

3.2.5.57.1.1.15 Required

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether or not the field (2) requires values.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list is an external list.

3.2.5.57.1.1.16 SchemaXml

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, as 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 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section [2.2.7.3.3](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value that is not a NULL or an empty value, and the list is an external list.

3.2.5.57.1.1.17 Scope

Type: CSOM String

Accessibility: Read Only

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

Exceptions:

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

3.2.5.57.1.1.21 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.57.1.1.22 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.57.1.1.23 TypeDisplayName

Type: CSOM String

Accessibility: Read Only

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

3.2.5.57.1.1.26 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.57.1.1.27 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

3.2.5.57.1.1.28 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2).

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

3.2.5.57.1.1.29 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.57.1.1.30 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.57.2.1.2 SetShowInDisplayForm**Return Type:** NoneSets the value of **ShowInDisplayForm** property for this field.**Parameters:***value:* A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.57.2.1.3 SetShowInEditForm**Return Type:** NoneSets the value of **ShowInEditForm** property for this field.**Parameters:***value:* A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.57.2.1.4 SetShowInNewForm**Return Type:** NoneSets the value of **ShowInNewForm** property for this field.**Parameters:***value:* A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.57.2.1.5 Update**Return Type:** None

Commits changed properties of the field (2).

Parameters: None**Exceptions:**

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
-	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and

Error Code	Error Type Name	Condition
2130246238		EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.57.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.57.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. <27>

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

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.

3.2.5.58.1.10Number

Value: 9

Specifies that the field (2) contains a **floating-point number** value.

3.2.5.58.1.11Currency

Value: 10

Specifies that the field (2) contains a currency value.

3.2.5.58.1.12URL

Value: 11

Specifies that the field (2) contains a **URI** and an optional description of the URI.

3.2.5.58.1.13Computed

Value: 12

Specifies that the field (2) is a computed field.

3.2.5.58.1.14Threading

Value: 13

Specifies that the field (2) indicates the thread for a **discussion item** in a threaded view of a discussion board.

3.2.5.58.1.15Guid

Value: 14

Specifies that the field (2) contains a GUID value.

3.2.5.58.1.16MultiChoice

Value: 15

Specifies that the field (2) contains one or more values from a set of specified values.

3.2.5.58.1.17GridChoice

Value: 16

Specifies that the field (2) contains rating scale values for a survey list.

3.2.5.58.1.18Calculated

Value: 17

Specifies that the field (2) is a calculated field.

3.2.5.58.1.19File

Value: 18

Specifies that the field (2) contains the **leaf name** of a document as a value.

3.2.5.58.1.20Attachments

Value: 19

Specifies that the field (2) indicates whether the list item has **attachments**.

3.2.5.58.1.21User

Value: 20

Specifies that the field (2) contains one or more users and groups as values.

3.2.5.58.1.22Recurrence

Value: 21

Specifies that the field (2) indicates whether a meeting in a calendar list recurs.

3.2.5.58.1.23CrossProjectLink

Value: 22

Specifies that the field (2) contains a link between projects in a Meeting Workspace site.

3.2.5.58.1.24ModStat

Value: 23

Specifies that the field (2) indicates **moderation status**.

3.2.5.58.1.25Error

Value: 24

Specifies that the type of the field (2) was set to an invalid value.

3.2.5.58.1.26ContentTypeId

Value: 25

Specifies that the field (2) contains a content type identifier as a value.

3.2.5.58.1.27PageSeparator

Value: 26

Specifies that the field (2) separates questions in a survey list onto multiple pages.

3.2.5.58.1.28ThreadIndex

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 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: 33

It MUST NOT be used.

3.2.5.58.1.33 Geolocation

Value: 31

Specifies that the field (2) contains geographical location values. [<28>](#)

3.2.5.58.1.34 OutcomeChoice

Value: 32

Specifies that the field (2) contains a single value from a set of user specified values used to determine the outcome of a task list item. [<29>](#)

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.

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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**, as 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**, as 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 is an external list.

3.2.5.59.1.1.3 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.59.1.1.4 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none", and the list 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).

3.2.5.59.1.1.6 EnforceUniqueValues

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#)

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list 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**, as specified in section [3.2.5.37.1.1.6](#).

Exceptions:

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

3.2.5.59.1.1.8 Filterable

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, as 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 (2) 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**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.59.1.1.11 Hidden

Type: CSOM Boolean

Accessibility: Read/Write

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

3.2.5.59.1.1.12 Id

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Id**, as 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**, as 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**, as 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 is an external list.

3.2.5.59.1.1.15 Required

Type: CSOM Boolean

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list is an external list.

3.2.5.59.1.1.16 SchemaXml

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, as 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 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section 2.2.7.3.3.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value that is not NULL or empty, and the list is an external list.

3.2.5.59.1.1.17 Scope

Type: CSOM String

Accessibility: Read Only

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

Exceptions:

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

3.2.5.59.1.1.21 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.59.1.1.22 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.59.1.1.23 TypeDisplayName

Type: CSOM String

Accessibility: Read Only

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

3.2.5.59.1.1.26 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.59.1.1.27 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

3.2.5.59.1.1.28 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2).

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

3.2.5.59.1.1.29 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.59.1.1.30 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.59.2.1.2 SetShowInDisplayForm**Return Type:** NoneSets the value of **ShowInDisplayForm** property for this field.**Parameters:***value:* A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.59.2.1.3 SetShowInEditForm**Return Type:** NoneSets the value of **ShowInEditForm** property for this field.**Parameters:***value:* A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.59.2.1.4 SetShowInNewForm**Return Type:** NoneSets the value of **ShowInNewForm** property for this field.**Parameters:***value:* A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.59.2.1.5 Update**Return Type:** None

Commits changed properties of the field (2).

Parameters: None**Exceptions:**

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
-	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and

Error Code	Error Type Name	Condition
2130246238		EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.59.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.59.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. <30>

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

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.

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

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.

3.2.5.61.1.1.2 AllowMultipleValues

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.FieldLookup.AllowMultipleValues**, as specified in section [3.2.5.49.1.1.1](#).

3.2.5.61.1.1.3 CanBeDeleted

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.CanBeDeleted**, as 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**, as 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 is an external list.

3.2.5.61.1.1.5 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.61.1.1.6 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none", and the list is an external list.

3.2.5.61.1.1.7 EnforceUniqueValues

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#)

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Adding unique column constraints to the field (2) where the list 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**, as specified in section [3.2.5.37.1.1.6](#).

Exceptions:

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

3.2.5.61.1.1.9 Filterable

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Filterable**, as 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 (2) 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**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.61.1.1.12 Hidden

Type: CSOM Boolean

Accessibility: Read/Write

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

3.2.5.61.1.1.13 Id

Type: CSOM GUID

Accessibility: Read Only

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

3.2.5.61.1.1.14 InternalName

Type: CSOM String

Accessibility: Read Only

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

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

3.2.5.61.1.1.15 IsRelationship

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.FieldLookup.IsRelationship**, as 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 is an external list.

3.2.5.61.1.1.16 LookupField

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.FieldLookup.LookupField**, as specified in section [3.2.5.49.1.1.15](#).

Exceptions:

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

3.2.5.61.1.1.17 LookupList

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.FieldLookup.LookupList**, as specified in section [3.2.5.49.1.1.16](#).

Exceptions:

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

3.2.5.61.1.1.18 LookupWebId

Type: CSOM GUID

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.FieldLookup.LookupWebId**, as specified in section [3.2.5.49.1.1.17](#).

Exceptions:

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

3.2.5.61.1.1.19 Presence

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether **presence** is enabled on the field (2).

3.2.5.61.1.1.20 PrimaryFieldId

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.FieldLookup.PrimaryFieldId**, as specified in section [3.2.5.49.1.1.18](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	When the list that this field (2) belongs to is an external list.

3.2.5.61.1.1.21 ReadOnlyField

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, as 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 is an external list.

3.2.5.61.1.1.22 RelationshipDeleteBehavior

Type: Microsoft.SharePoint.Client.RelationshipDeleteBehaviorType

Accessibility: Read/Write

Returns a **Microsoft.SharePoint.Client.FieldLookup.RelationshipDeleteBehavior** (section [3.2.5.49.1.1.20](#)) that represents the delete behavior of the lookup field.

Exceptions:

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

3.2.5.61.1.1.23 Required

Type: CSOM Boolean

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true", and the list is an external list.

3.2.5.61.1.1.24 SchemaXml

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.SchemaXml**, as 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 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section 2.2.7.3.3.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value that is not NULL or an empty value, and the list is an external list.

3.2.5.61.1.1.25 Scope

Type: CSOM String

Accessibility: Read Only

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

3.2.5.61.1.1.26 Sealed

Type: CSOM Boolean

Accessibility: Read Only

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

3.2.5.61.1.1.27 SelectionGroup

Type: CSOM Int32

Accessibility: Read/Write

Specifies the identifier of the group whose members can be selected as values of the field (2).

3.2.5.61.1.1.28 SelectionMode

Type: Microsoft.SharePoint.Client.FieldUserSelectionMode

Accessibility: Read/Write

Specifies whether users and groups or only users can be selected.

3.2.5.61.1.1.29 Sortable

Type: CSOM Boolean

Accessibility: Read Only

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

3.2.5.61.1.1.30 StaticName

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

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

3.2.5.61.1.1.31 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.61.1.1.32 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.61.1.1.33 TypeDisplayName

Type: CSOM String

Accessibility: Read Only

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

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

3.2.5.61.1.1.34 TypeShortDescription

Type: CSOM String

Accessibility: Read Only

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

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

3.2.5.61.1.1.35 ValidationFormula

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.61.1.1.36 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.61.1.1.37 Indexed

Type: CSOM Boolean

Accessibility: Read Only

A bit that specifies whether the field (2) is an indexed field.

3.2.5.61.1.1.38 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([IECMA-2621](#)) file containing any logic for this field (2).

3.2.5.61.1.1.39 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2).

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

3.2.5.61.1.1.40 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

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, from the site, or from the content types within the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.61.2.1.2 SetShowInDisplayForm

Return Type: None

Sets the value of **ShowInDisplayForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.61.2.1.3 SetShowInEditForm

Return Type: None

Sets the value of **ShowInEditForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.61.2.1.4 SetShowInNewForm

Return Type: None

Sets the value of **ShowInNewForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.61.2.1.5 Update

Return Type: None

Commits changed properties of the field (2).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.61.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.61.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value. <31>

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

3.2.5.61.2.2 ObjectPath Methods

None.

3.2.5.62 Microsoft.SharePoint.Client.FieldUserSelectionMode

ShortName: SP.FieldUserSelectionMode

Flag: false

Specifies the selection mode for field values from the column of user type.

3.2.5.62.1 Field Values

3.2.5.62.1.1 PeopleOnly

Value: 0

Specifies that only individual users can be selected.

3.2.5.62.1.2 PeopleAndGroups

Value: 1

Specifies that both individuals and groups can be selected.

3.2.5.63 Microsoft.SharePoint.Client.FieldUserValue

TypeId: {C956AB54-16BD-4C18-89D2-996F57282A6F}

ShortName: SP.FieldUserValue

SPFieldUserValue: field value class for SPFieldUser (User field)

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 identifier (ID) of the lookup field.

3.2.5.63.1.1.2 LookupValue

Type: CSOM String

Accessibility: Read Only

Gets the value of the user field as a string.

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 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

Specifies 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.

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.

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
-2147024894	System.IO.FileNotFoundException	File cannot be found.

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
-2147024894	System.IO.FileNotFoundException	File cannot be found.

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.

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.

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.

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.

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.

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
-2147024894	System.IO.FileNotFoundException	File cannot be found.

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
-2147024894	System.IO.FileNotFoundException	File cannot be found.

3.2.5.64.1.1.16 Length

Type: CSOM Int64

Accessibility: Read Only

Specifies the size of the file in bytes, excluding the size of any Web Parts that are used in the file. [<32>](#)

Exceptions:

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	File cannot be found.

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	Lack of permissions to perform the operation.

3.2.5.64.1.1.17 ContentTag

Type: CSOM String

Accessibility: Read Only

Returns internal version of content, used to validate document equality for read purposes.

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.

3.2.5.64.1.2.2 CheckedOutByUser

Type: Microsoft.SharePoint.Client.User

Accessibility: Read Only

Specifies 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 (2) values for the list item corresponding to the file.

3.2.5.64.1.2.4 LockedByUser

Type: Microsoft.SharePoint.Client.User

Accessibility: Read Only

Specifies 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.

3.2.5.64.1.2.5 ModifiedBy

Type: Microsoft.SharePoint.Client.User

Accessibility: Read Only

Specifies the user who last modified the file.

Exceptions:

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	File cannot be found.

3.2.5.64.1.2.6 Versions

Type: Microsoft.SharePoint.Client.FileVersionCollection

Accessibility: Read Only

Specifies a collection of file version objects (1) that represent the versions of the file.

It MUST NOT be NULL.

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

3.2.5.64.2.1.2 CheckOut

Return Type: None

Checks out the file from a document library.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-2130575306	Microsoft.SharePoint.SPFileCheckOutException	File is already checked out.
-2147024891	System.UnauthorizedAccessException	Check-out arguments are not valid.

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
-2147024729	Microsoft.SharePoint.SPFileLockException	File is not locked by the current user
-2147018894	Microsoft.SharePoint.SPFileLockException	A user other than the current user has a shared lock on the file
-2147018887	Microsoft.SharePoint.SPFileLockException	A user other than the current user has an exclusive lock on the file

3.2.5.64.2.1.4 DeleteObject

Return Type: None

Deletes the file.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-2147018894	Microsoft.SharePoint.SPFileLockException	Shared lock on the file.

Error Code	Error Type Name	Condition
-2147018887	Microsoft.SharePoint.SPFileLockException	Exclusive lock on the file.
-2147024894	System.IO.FileNotFoundException	File cannot be found.

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
-2147024729	Microsoft.SharePoint.SPFileLockException	File is not locked by the current user.
-2147018894	Microsoft.SharePoint.SPFileLockException	A user other than the current user has a shared lock on the file.
-2147018887	Microsoft.SharePoint.SPFileLockException	A user other than the current user has an exclusive lock on the file.

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
-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.
-2147024729	Microsoft.SharePoint.SPFileLockException	The file is not locked by the current user
-2147018894	Microsoft.SharePoint.SPFileLockException	A user other than the current user has a shared lock on the file
-2147018887	Microsoft.SharePoint.SPFileLockException	A user other than the current user has an exclusive lock on the file

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
-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.

3.2.5.64.2.1.8 SaveBinary

Return Type: None

Saves the specified file into a document library.

Parameters:

parameters: An object (1) 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
-2147018894	Microsoft.SharePoint.SPFileLockException	Shared lock is on the file

3.2.5.64.2.1.9 UndoCheckOut

Return Type: None

Reverts an existing checkout for the file.

Parameters: None

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
- 2147024729	Microsoft.SharePoint.SPFileLockException	File is not locked by the current user
- 2147018894	Microsoft.SharePoint.SPFileLockException	A user other than the current user has a shared lock on the file
- 2147018887	Microsoft.SharePoint.SPFileLockException	A user other than the current user has an exclusive lock on the file

3.2.5.64.2.1.11 OpenBinaryStream

Return Type: CSOM Stream

Opens the file as a [stream](#).<33>

Parameters: None

3.2.5.64.2.1.12 SaveBinaryStream

Return Type: None

Saves the file in binary format.<34>

Parameters:

file: A stream containing the contents of the specified file

Type: CSOM Stream

3.2.5.64.2.1.13 Approve

Return Type: None

Approves the file submitted for content approval with the specified comment.

Parameters:

comment: A string containing the comment.

Type: CSOM String

3.2.5.64.2.1.14 Deny

Return Type: None

Denies the file submitted for content approval.

Parameters:

comment: A string containing a comment about the denial.

Type: CSOM String

3.2.5.64.2.1.15 GetContentVerFromTag

This method is a **static CSOM method**.

Return Type: CSOM Int32

Reserved for internal use only. This method exposes the internal **ContentVersion** value inside of a **ContentTag**.

Parameters:

contentTag: Specifies the **ContentTag** from which the **ContentVersion** will be obtained.

Type: CSOM String

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 does not have an extension of ".aspx".
-2147024894	System.IO.FileNotFoundException	New initialized instance of Web Part manager does not exist

3.2.5.65 Microsoft.SharePoint.Client.FileCollection

TypeId: {D367B17C-170B-4691-A1E3-8BCCF7686CE4}

ShortName: SP.FileCollection

A collection of file objects (1).

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
- 2147024729	Microsoft.SharePoint.SPFileLockException	The file to be added or overwritten in the collection is not locked by the current user.
- 2147018894	Microsoft.SharePoint.SPFileLockException	There is a shared lock on the file to be added or overwritten in the collection by the other user.
- 2147018887	Microsoft.SharePoint.SPFileLockException	There is an exclusive lock on the file to be added or overwritten in the collection by the current user.

3.2.5.65.2.2.2 AddTemplateFile

Return Type: Microsoft.SharePoint.Client.File

Adds an **uncustomized** file to an existing list 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.

3.2.5.65.2.2.3 GetByUrl

Return Type: Microsoft.SharePoint.Client.File

Get the file at the specified URL.

Parameters:

url: The server-relative URL for the file.

Type: CSOM String

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 binary content of the file to be added.

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.

3.2.5.66.1.1.4 ContentStream

Type: CSOM Stream

Accessibility: Read/Write

The contents of the file as a stream. [<35>](#)

3.2.5.66.1.2 ObjectPath Properties

None.

3.2.5.67 Microsoft.SharePoint.Client.FileLevel

ShortName: SP.FileLevel

Flag: false

Specifies the type of version for a file

3.2.5.67.1 Field Values

3.2.5.67.1.1 Published

Value: 1

The current version of the file is published. Value=1.

3.2.5.67.1.2 Draft

Value: 2

The current version of the file is a draft. Value=2.

3.2.5.67.1.3 Checkout

Value: 255

The current version of the file is checked out to the current user. Value=255.

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 (2) in the list are validated when the file is saved.

If there are required fields (2) that have no value set, the save operation MUST fail.

3.2.5.68.1.1.2 Content

Type: CSOM binary

Accessibility: Read/Write

Specifies the content of the file.

The length MUST NOT be larger than 1,048,567 times the maximum file size for a **Web application**.

3.2.5.68.1.1.3 ETag

Type: CSOM String

Accessibility: Read/Write

Specifies the **ETag** value, as 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.

3.2.5.68.1.1.4 ContentStream

Type: CSOM Stream

Accessibility: Read/Write

The contents of the file as a stream. [<36>](#)

3.2.5.68.1.1.5 FieldValues

Type: **CSOM dictionary**

Accessibility: Read/Write

Updates the key value pairs representing properties of the file. The keys and values are implementation-specific.

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 (1) 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 (1) is a file.

3.2.5.69.1.3 Folder

Value: 1

Specifies the object (1) is a folder.

3.2.5.69.1.4 Web

Value: 2

Specifies the object (1) is a site.

3.2.5.70 Microsoft.SharePoint.Client.FileVersion

TypeId: {96E4BC1B-E67F-4967-9327-36B79E20AEBC}

ShortName: SP.FileVersion

Represents a version of a file object (1).

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 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.

3.2.5.70.1.1.7 Size

Type: CSOM Int32

Accessibility: Read Only

Gets the size of the file version in bytes.

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 that represents the person who created the file version.

3.2.5.70.2 Methods

3.2.5.70.2.1 Scalar Methods

3.2.5.70.2.1.1 DeleteObject

Return Type: None

Deletes the file version. <37>

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-2147024846	Microsoft.SharePoint.SPException	Recycle Bin is not enabled.
-2147024891	System.UnauthorizedAccessException	The protocol client does not have permissions to update this file version.

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 (1).

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 (1) in the collection.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-2130575312	Microsoft.SharePoint.SPException	Specified file URL is invalid.

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
-2147024894	System.IO.FileNotFoundException	File with specified version identifier cannot be found.

3.2.5.71.2.1.3 DeleteByLabel

Return Type: None

Deletes the file version object (1) 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 (1).

Exceptions:

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	Specified version label is invalid.

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 (1).

3.2.5.71.2.2 ObjectPath Methods

3.2.5.71.2.2.1 GetById

Return Type: Microsoft.SharePoint.Client.FileVersion

Returns the file version object (1) with the specified version label. <38>

Parameters:

versionid: Specifies the version label.

Type: CSOM Int32

3.2.5.72 Microsoft.SharePoint.Client.Folder

TypeId: {DBE8175A-505D-4EFF-BEC4-6C809709808B}

ShortName: SP.Folder

Represents a list folder on a site.

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 of Microsoft.SharePoint.Client.ContentTypeId

Accessibility: Read Only

Specifies the **content type order** for the list folder.

3.2.5.72.1.1.2 ItemCount

Type: CSOM Int32

Accessibility: Read Only

Specifies the count of items in the list folder.

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.

3.2.5.72.1.1.4 ServerRelativeUrl

Type: CSOM String

Accessibility: Read Only

Specifies the server-relative URL of the list folder.

It MUST NOT be NULL. It MUST be a URL of server-relative form.

3.2.5.72.1.1.5 UniqueContentTypeOrder

Type: CSOM array of Microsoft.SharePoint.Client.ContentTypeId

Accessibility: Read/Write

Specifies the content type order for the list folder.

It MUST return the same value as the ContentTypeOrder.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	Operation is not valid, because of the current state of the object (1).

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.

3.2.5.72.1.2 ObjectPath Properties

3.2.5.72.1.2.1 Files

Type: Microsoft.SharePoint.Client.FileCollection

Accessibility: Read Only

Specifies 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

Specifies 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

Specifies the list folder.

3.2.5.72.1.2.4 Properties

Type: Microsoft.SharePoint.Client.PropertyValues

Accessibility: Read Only

Returns the properties for the list folder. [<39>](#)

It MUST NOT be NULL.

3.2.5.72.1.2.5 ListItemAllFields

Type: Microsoft.SharePoint.Client.ListItem

Accessibility: Read Only

Gets the Microsoft.SharePoint.Client.ListItem (section [3.2.5.87](#)) object (1) corresponding to the list folder, if the list folder belongs to a document library. [<40>](#)

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

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

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 (1).

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:

url: Specifies the URL of the list folder.

Type: CSOM String

3.2.5.73.2.2.2 GetByUrl

Return Type: Microsoft.SharePoint.Client.Folder

Returns the list folder with the specified URL. <41>

Parameters:

url: Specifies the URL of the list folder. The URL MUST be an absolute URL, a server-relative URL, a **site-relative URL** relative to the site containing the collection of list folders, or relative to the list folder that directly contains this collection of list folders.

Type: CSOM String

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.

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 as determined by the protocol server. 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. It MUST be DISPLAYFORM, EDITFORM or NEWFORM.

Type: Microsoft.SharePoint.Client.PageType

3.2.5.75.2.2.2 GetById

Return Type: Microsoft.SharePoint.Client.Form

Returns the list form with the specified identifier.

Parameters:

id: Specifies the identifier of the list form.

Type: CSOM GUID

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 can add and remove members from the group.

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.

3.2.5.76.1.1.3 AutoAcceptRequestToJoinLeave

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether requests to join or leave the group 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.

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.

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.

3.2.5.76.1.1.7 Description

Type: CSOM String

Accessibility: Read/Write

Specifies the description for the group.

3.2.5.76.1.1.8 Id

Type: CSOM Int32

Accessibility: Read Only

Specifies the identifier for the group.

3.2.5.76.1.1.9 LoginName

Type: CSOM String

Accessibility: Read Only

Specifies the name of the group. 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 is restricted to members of the group.

3.2.5.76.1.1.11 OwnerTitle

Type: CSOM String

Accessibility: Read Only

Specifies the name of the **owner** of the group.

3.2.5.76.1.1.12 PrincipalType

Type: Microsoft.SharePoint.Client.Utilities.PrincipalType

Accessibility: Read Only

Specifies the type of **principal** represented by this object (1).

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 are sent.

3.2.5.76.1.1.14 Title

Type: CSOM String

Accessibility: Read/Write

Specifies the name of a group.

It MUST NOT be NULL. Its length MUST be equal to or less than 255.

3.2.5.76.1.1.15 IsHiddenInUI

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Principal.IsHiddenInUI**, as specified in section [3.2.5.100.1.1.5.<42>](#)

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.

3.2.5.76.1.2.2 Users

Type: Microsoft.SharePoint.Client.UserCollection

Accessibility: Read Only

Specifies the collection of members for this group.

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPException	Cannot initialize group 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 properties after changes have been made.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPDistributionGroupException	Distribution group member resynchronization or properties update fails.

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 objects (1).

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 from the collection.

Parameters:

group: Specifies the group to be removed.

Type: Microsoft.SharePoint.Client.Group

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	Cannot remove users with unique role assignment permissions
-1	System.Security.SecurityException	Access denied when updating farm administrators group

3.2.5.77.2.1.2 RemoveById

Return Type: None

Removes the cross-site group with the specified member identifier from the collection. <43>

Parameters:

id: Specifies the member identifier.

Type: CSOM Int32

3.2.5.77.2.1.3 RemoveByLoginName

Return Type: None

Removes the cross-site group with the specified name from the collection. <44>

Parameters:

name: A string that contains the name of the group.

Type: CSOM String

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 (1) to facilitate creation of a group.

Type: Microsoft.SharePoint.Client.GroupCreationInformation

It MUST NOT be NULL.

3.2.5.77.2.2.2 GetById

Return Type: Microsoft.SharePoint.Client.Group

Returns a group from the collection based on the identifier of the group.

Parameters:

id: Specifies the member identifier.

Type: CSOM Int32

3.2.5.77.2.2.3 GetByName

Return Type: Microsoft.SharePoint.Client.Group

Returns a group from the collection based on the name of the group. <45>

Parameters:

name: Specifies the group (2) name.

Type: CSOM String

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 cross-site group.

3.2.5.78.1 Properties

3.2.5.78.1.1 Scalar Properties

Specifies the **list server template** of the list.

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.

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 at the list level for the **BrowserFileHandling** property of the Web application. If the **BrowserHandling** property of the Web application is **BrowserFileHandling.Strict**, then this setting MUST be ignored. If the **BrowserHandling** property of the Web application is **BrowserFileHandling.Permissive**, then this setting MUST be respected.

3.2.5.79.1.1.5 ContentTypesEnabled

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether content types are enabled for the list.

3.2.5.79.1.1.6 Created

Type: CSOM DateTime

Accessibility: Read Only

Specifies when the list 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. It MUST be an **empty GUID** if there is no default content approval **workflow**.

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.

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.

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.

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.

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.

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.

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.

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.

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 listas specified in [\[MS-WSSFO2\]](#) section 2.2.8.2.9 or [\[MS-WSSFO3\]](#) section 2.2.7.2.9.

It MUST conform to the following ABNF, as defined in [\[RFC5234\]](#): 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. 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.

3.2.5.79.1.1.17 EffectiveBasePermissions

Type: Microsoft.SharePoint.Client.BasePermissions

Accessibility: Read Only

Specifies the effective permissions on the list 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.

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.

3.2.5.79.1.1.20 EnableMinorVersions

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether minor versions are enabled for the list.

3.2.5.79.1.1.21 EnableModeration

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether content approval is enabled for the list.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true" and the list 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.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true" and the list 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.

3.2.5.79.1.1.24 HasExternalDataSource

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the list 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 is a hidden list. If the value is set to "true", the server **MUST** set the **OnQuickLaunch** property of the list 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/Write

Specifies the URL for the icon of the list.

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.

3.2.5.79.1.1.30 IsCatalog

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the list is a **gallery**.

3.2.5.79.1.1.31 IsSiteAssetsLibrary

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the list 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.

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. It MUST return **Created** if no list item has been deleted from the list yet.

3.2.5.79.1.1.34 LastItemModifiedDate

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the last time a list item, field (2), or property of the list was modified. It MUST return **Created** if the list 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.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is set to "true" and the list is an external list.

3.2.5.79.1.1.37 OnQuickLaunch

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the list appears on the **Quick Launch** of the site. If the value is set to "true", the protocol server MUST set the **Hidden** property of the list to "false".

3.2.5.79.1.1.38 ParentWebUrl

Type: CSOM String

Accessibility: Read Only

Specifies the server-relative URL of the site that contains the list.

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.

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 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. It MUST be an empty GUID if the list schema for the list 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.

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.

3.2.5.79.1.1.45 EntityTypeName

Type: CSOM String

Accessibility: Read Only

Specifies the type name of the list. <46>

3.2.5.79.1.1.46 ListItemEntityTypeFullName

Type: CSOM String

Accessibility: Read Only

Specifies the full type name of the list item. <47>

3.2.5.79.1.1.47 IrmEnabled

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a **Boolean** value that specifies whether **Information Rights Management (IRM)** is enabled for the list. <48>

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	External list does not support setting the IrmEnabled property.

3.2.5.79.1.1.48 IrmExpire

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether Information Rights Management (IRM) expiration is enabled for the list. <49>

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	External list does not support setting the IrmExpire property.

3.2.5.79.1.1.49 IrmReject

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether Information Rights Management (IRM) rejection is enabled for the list. <50>

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	External list does not support setting the IrmReject property.

3.2.5.79.1.1.50 EffectiveBasePermissionsForUI

Type: Microsoft.SharePoint.Client.BasePermissions

Accessibility: Read Only

Specifies the effective base permissions for the current user as they SHOULD be displayed in user interface (UI).^{<51>} If the list is not in read-only UI mode, the value of **EffectiveBasePermissionsForUI** MUST be the same as the value of **EffectiveBasePermissions** (section [3.2.5.79.1.1.17](#)). If the list is in read-only UI mode, the value of **EffectiveBasePermissionsForUI** MUST be a subset of the value of **EffectiveBasePermissions**.

It MUST NOT be NULL.

3.2.5.79.1.1.51 IsPrivate

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the list is a private list with restricted permissions. "True" if the list is a private list, otherwise "false".

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.

It MUST NOT be NULL.

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.

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.

It MUST NOT be NULL.

3.2.5.79.1.2.4 ParentWeb

Type: Microsoft.SharePoint.Client.Web

Accessibility: Read Only

Specifies the site that contains the list.

3.2.5.79.1.2.5 RoleAssignments

Type: Microsoft.SharePoint.Client.RoleAssignmentCollection

Accessibility: Read Only

See **Microsoft.SharePoint.Client.SecurableObject.RoleAssignments**, as 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.

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.

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 and personal views of the current user on the list.

It MUST NOT be NULL.

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.

It MUST NOT be NULL.

3.2.5.79.1.2.10 FirstUniqueAncestorSecurableObject

Type: Microsoft.SharePoint.Client.SecurableObject

Accessibility: Read Only

See **Microsoft.SharePoint.Client.SecurableObject.FirstUniqueAncestorSecurableObject**, as specified in section [3.2.5.118.1.2.2.<52>](#)

3.2.5.79.1.2.11 Items

Type: Microsoft.SharePoint.Client.ListItemEntityCollection

Accessibility: Read Only

Specifies the collection of list items for the list. <53>

3.2.5.79.1.2.12 InformationRightsManagementSettings

Type: Microsoft.SharePoint.Client.InformationRightsManagementSettings

Accessibility: Read Only

Specifies settings for document library Information Rights Management (IRM). <54>

Exceptions:

Error Code	Error Type Name	Condition
-2146232832	System.NotSupportedException	Picture library does not support IRM settings.

3.2.5.79.1.2.13 EventReceivers

Type: Microsoft.SharePoint.Client.EventReceiverDefinitionCollection

Accessibility: Read Only

Gets the collection of **event receivers** that have been registered for the list. <55>

3.2.5.79.1.2.14 DefaultView

Type: Microsoft.SharePoint.Client.View

Accessibility: Read Only

Gets the default view for a list.

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 to stop inheriting role assignments from the site that contains the list.

Parameters:

copyRoleAssignments: Specifies whether to perform a one-time copy of the role assignments from the site that contains the list to the list. If "false" the list MUST be given one role assignment containing the current user.

Type: CSOM Boolean

clearSubscopes: If the **securable object** is a site, and the *clearSubScopes* parameter is "true", the role assignments for all child securable objects in the current site and in the sites which inherit role

assignments from the current site MUST be cleared and those securable objects will inherit role assignments from the current site after this call. If the securable object is a site, and the *clearSubScopes* parameter is "false", the role assignments for all child securable objects that do not inherit role assignments from their parent object (1) MUST remain unchanged. If the securable object is not a site, 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, and the *clearSubScopes* parameter is "false", the role assignments for all child securable objects that do not inherit role assignments from their parent object (1) MUST remain unchanged.

Type: CSOM Boolean

3.2.5.79.2.1.2 DeleteObject

Return Type: None

Deletes the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2147016498	Microsoft.SharePoint.SPException	List cannot be deleted because it is being used as a data source.
- 2130575299	Microsoft.SharePoint.SPException	List cannot be deleted because there MUST be one instance of this list type in a web.
- 2130575157	Microsoft.SharePoint.SPException	List cannot be deleted because one or more related lists have a relationship behavior constraint that prevents the operation.

3.2.5.79.2.1.3 Recycle

Return Type: CSOM GUID

Moves the list to the Recycle Bin and returns the identifier of the new Recycle Bin item.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2147016498	Microsoft.SharePoint.SPException	List cannot be deleted because it is being used as a data source (1).
- 2130575299	Microsoft.SharePoint.SPException	List cannot be deleted because there MUST be one instance of this list type in a web.
- 2130575157	Microsoft.SharePoint.SPException	List cannot be deleted because one or more related lists have a relationship behavior constraint that prevents the operation.

3.2.5.79.2.1.4 ResetRoleInheritance

Return Type: None

Updates the list to inherit role assignments from the site that contains the list.

Parameters: None

3.2.5.79.2.1.5 Update

Return Type: None

Commits changed properties of the list.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2130575342	Microsoft.SharePoint.SPException	Another list with the title already exists in the site.
- 2130575305	Microsoft.SharePoint.SPException	List was modified on the server in a way that prevents changes from being committed, as determined by the protocol server.
- 2130575273	Microsoft.SharePoint.SPException	The data validation criteria refers to a column that does not exist.

3.2.5.79.2.1.6 RenderListData

Return Type: CSOM String

Returns the data for the specified query view. [<56>](#) The result is implementation-specific, used for providing data to a user interface.

Parameters:

viewXml: Specifies the query as **XML** that conforms to the **ViewDefinition** type as specified in [\[MS-WSSCAML\]](#) section [2.3.2.17](#).

Type: CSOM String

It MUST NOT be NULL.

3.2.5.79.2.1.7 GetListItemChangesSinceToken

Return Type: CSOM Stream

Returns the changes made to the list since the date and time specified in the change token defined by the *query* input parameter. [<57>](#)

Parameters:

query: Specifies the query values to get the changes made to the list. See section [3.2.5.183](#).

Type: Microsoft.SharePoint.Client.ChangeLogItemQuery

3.2.5.79.2.1.8 RenderListFormData

Return Type: CSOM String

Returns a string containing field (2) values and field (2) schema attributes for a list item. [<58>](#) The result is implementation-specific, used for providing data to a user interface.

Parameters:

itemId: Specifies the **list item identifier** for a list item in the list.

Type: CSOM Int32

It MUST NOT be NULL.

formId: Specifies a unique identifier in the client.

Type: CSOM String

It MUST NOT be NULL.

mode: Specifies the page type of the list form.

Type: CSOM Int32

It MUST NOT be NULL.

3.2.5.79.2.1.9 SaveAsNewView

Return Type: CSOM String

Overwrites a view if it already exists, creates a new view if it does not; and then extracts the implementation-specific filter and sort information from the URL and builds and updates the view's XML. [<59>](#) Returns the URL of the view.

Parameters:

oldName: The name of the view the user is currently on.

Type: CSOM String

newName: The new name given by the user.

Type: CSOM String

privateView: Set to "true" to make the view private; otherwise, "false".

Type: CSOM Boolean

uri: URL that contains all the implementation-specific filter and sort information for the view.

Type: CSOM String

3.2.5.79.2.1.10 GetUserEffectivePermissions

Return Type: Microsoft.SharePoint.Client.BasePermissions

Returns the user permissions for this list.

Parameters:

userName: Specifies the user login name.

Type: CSOM String

It MUST NOT be NULL.

3.2.5.79.2.1.11 ReserveListItemId

Return Type: CSOM Int32

Reserves the returned list item identifier for the idempotent creation of a list item.

Parameters: None

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 and return a reference to the added SP.ListItem.

Parameters:

parameters: Specifies the properties of the new list item.

Type: Microsoft.SharePoint.Client.ListItemCreationInformation

3.2.5.79.2.2.2 GetChanges

Return Type: Microsoft.SharePoint.Client.ChangeCollection

Specifies the collection of changes from the change log that have occurred within the list, based on the specified query.

Parameters:

query: Specifies the query.

Type: Microsoft.SharePoint.Client.ChangeQuery

It MUST NOT be NULL.

3.2.5.79.2.2.3 GetItemById

Return Type: Microsoft.SharePoint.Client.ListItem

Specifies the list item with the specified list item identifier.

Parameters:

id: Specifies the list item identifier.

Type: CSOM Int32

3.2.5.79.2.2.4 GetItemByStringId

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 is an external list.
-1	System.FormatException	sId is a list item identifier with invalid format, and the list is not an external list.

3.2.5.79.2.2.5 GetItems

Return Type: Microsoft.SharePoint.Client.ListItemCollection

Returns a collection of list items from the list based on the specified query.

Parameters:

query: Specifies a query.

Type: Microsoft.SharePoint.Client.CamlQuery

It MUST NOT be NULL.

3.2.5.79.2.2.6 GetRelatedFields

Return Type: Microsoft.SharePoint.Client.RelatedFieldCollection

Returns a collection of lookup fields that use this list as a data source and that have **FieldLookup.IsRelationship** set to "true".

Parameters: None

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.

Parameters:

viewGuid: Specifies the view identifier.

Type: CSOM GUID

3.2.5.79.2.2.8 GetRelatedFieldsExtendedData

Return Type: Microsoft.SharePoint.Client.RelatedFieldExtendedDataCollection

Returns a collection of objects (1) that store properties of relationship lookup fields of this list. [<60>](#)

Parameters: None

3.2.5.80 Microsoft.SharePoint.Client.ListCollection

TypeId: {1E78B736-61F0-441C-A785-10FC25387C8D}

ShortName: SP.ListCollection

Specifies a collection of lists.

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 and adds it to the collection.

Parameters:

parameters: Specifies the properties of the new list.

Type: Microsoft.SharePoint.Client.ListCreationInformation

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundFoundException	Entity specified in ListCreationInformation.DataSourceProperties or the specified SpecificFinder does not exist on the server.
-2130575342	Microsoft.SharePoint.SPException	Another list with the title already exists in the site.
-2130575	Microsoft.SharePoint.SPException	List server template is not valid.

Error Code	Error Type Name	Condition
237		

3.2.5.80.2.2.2 EnsureSiteAssetsLibrary

Return Type: Microsoft.SharePoint.Client.List

Returns a list that is designated as a default asset location for images or other files that 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 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 with the specified list identifier.

Parameters:

uniqueId: Specifies the list identifier.

Type: CSOM GUID

3.2.5.80.2.2.5 GetByTitle

Return Type: Microsoft.SharePoint.Client.List

Returns the list 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.

3.2.5.81 Microsoft.SharePoint.Client.ListCreationInformation

TypeId: {E247B7FC-095E-4EA4-A4C9-C5D373723D8C}

ShortName: SP.ListCreationInformation

Specifies the properties of the new list.

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.

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. 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". The value of the "Entity" and "SpecificFinder" keys MUST be non-NULL and correct as determined by the protocol server.

3.2.5.81.1.1.3 Description

Type: CSOM String

Accessibility: Read/Write

Specifies the description of the new list.

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.

3.2.5.81.1.1.5 QuickLaunchOption

Type: Microsoft.SharePoint.Client.QuickLaunchOptions

Accessibility: Read/Write

Specifies whether the new list is displayed on the Quick Launch of the site.

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. It MUST be empty GUID if the list schema for the new list 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.

3.2.5.81.1.1.8 Title

Type: CSOM String

Accessibility: Read/Write

Specifies the display name of the new list.

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.

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

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

It MUST NOT be NULL. It MUST have LobSystemInstance, EntityNamespace, Entity and SpecificFinder properties and their values.

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 of Microsoft.SharePoint.Client.ListDataValidationFailure

Accessibility: Read Only

Specifies the collection of all failures that occurred during field (2) data validation.

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

This class describes a specific validation failure during a list item insert or update.

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

This property contains the list's title when the ValidationType property is SPValidationType.UserFormulaItem; otherwise, it contains the field display name.

3.2.5.84.1.1.2 Message

Type: CSOM String

Accessibility: Read Only

If the Reason property is SPReason.DataFailure, then this property contains the validation message provided by the formula author when the ValidationType property is SPValidationType.UserFormulaItem or SPValidationType.UserFormulaField. For other SPValidationTypes, a static message is provided. If the Reason property is SPReason.FormulaError,

then this property contains a static message indicating that the formula evaluated to an error (such as #REF!, #DIV/0!, #NAME!, etc.).

3.2.5.84.1.1.3 Name

Type: CSOM String

Accessibility: Read Only

This property contains the list ID when the ValidationType property is SPValidationType.UserFormulaItem; otherwise, it contains the internal field name.

3.2.5.84.1.1.4 Reason

Type: Microsoft.SharePoint.Client.ListDataValidationFailureReason

Accessibility: Read Only

This property describes the reason for the failure.

3.2.5.84.1.1.5 ValidationType

Type: Microsoft.SharePoint.Client.ListDataValidationType

Accessibility: Read Only

This property describes the type of validation that triggered this failure.

3.2.5.84.1.2 ObjectPath Properties

None.

3.2.5.85 Microsoft.SharePoint.Client.ListDataValidationFailureReason

ShortName: SP.ListDataValidationFailureReason

Flag: false

This enum describes the type of error that triggered the validation failure for a particular validation type. Descriptions Data - The formula evaluated to false (or a value considered equivalent to false such as zero for a numeric result), or non-formula-based validation (such as required field validation) failed. Error - Evaluation of a formula resulted in an error (such as #NAME!). This should be kept in-sync with the enum ListDataFailureReason in sts\tp\tsapi\listdatavalidation.h.

3.2.5.85.1 Field Values

3.2.5.85.1.1 DataFailure

Value: 0

3.2.5.85.1.2 FormulaError

Value: 1

3.2.5.86 Microsoft.SharePoint.Client.ListDataValidationType

ShortName: SP.ListDataValidationType

Flag: false

This enum describes the type of validation that triggered the failure. Descriptions: UserFormulaField - This is a field validation formula created by a list author. UserFormulaItem - This is an item validation formula created by a list author. RequiredField - No value was provided for a required field. ChoiceField - The value was not one of the available choices for the field. MinMaxField - The value violated the field's MinimumValue or MaximumValue constraints. TextField - The value violated the field's MaxLength constraint. This should be kept in-sync with the enum ListDataValidationType in sts\tp\tsapi\listdatavalidation.h.

3.2.5.86.1 Field Values

3.2.5.86.1.1 UserFormulaField

Value: 0

3.2.5.86.1.2 UserFormulaItem

Value: 1

3.2.5.86.1.3 RequiredField

Value: 2

3.2.5.86.1.4 ChoiceField

Value: 3

3.2.5.86.1.5 MinMaxField

Value: 4

3.2.5.86.1.6 TextField

Value: 5

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 (2) defined in the list and the CSOM expando field value is the field (2) value in the list item. The following table specifies the mapping between **field types** and values.

Field type	Mapping to a value
Integer	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Int32.
Text	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM String.
Note	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM String .
DateTime	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM

Field type	Mapping to a value
	DateTime.
Counter	It MUST be a CSOM Int32 .
Choice	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM String .
Lookup	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Object of type FieldLookupValue , as specified in section 3.2.5.50 .
Boolean	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Boolean.
Number	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Double.
Currency	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Double .
URL	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Object of type FieldUrlValue , as specified in section 3.2.5.60 .
Computed	N/A
Threading	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM String .
Guid	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM GUID .
MultiChoice	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Array .
GridChoice	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Array .
Calculated	N/A
File	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM String .
Attachments	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Boolean .
User	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Object of type FieldUserValue , as specified in section 3.2.5.63 .
Recurrence	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Boolean .
CrossProjectLink	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Boolean .
ModStat	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Int32 .
Error	N/A
ContentTypeId	When its value is undefined it MUST be NULL, otherwise it MUST be CSOM Object of type ContentTypeId , as specified in section 3.2.5.30 .
PageSeparator	N/A
ThreadIndex	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM String .
WorkflowStatus	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Int32 .
AllDayEvent	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Boolean .
WorkflowEventType	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Int32 .

Field type	Mapping to a value
Facilities	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Array .
FreeBusy	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM String .
Overbook	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM String .
Confidential	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Boolean .
WhatsNew	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Boolean .
DueDate	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM DateTime .
AllowEditing	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Boolean .
SendTo	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Array .
Confirmations	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM String .
CallTo	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM Array .
CallTime	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM DateTime .
Whereabout	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM String .
From	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM DateTime .
Until	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM DateTime .
ContactInfo	When its value is undefined it MUST be NULL, otherwise it MUST be a CSOM String .

The `DisplayName`, `EffectiveBasePermissions`, `EffectiveBasePermissionsForUI` 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.

3.2.5.87.1.1.6 EffectiveBasePermissionsForUI

Type: Microsoft.SharePoint.Client.BasePermissions

Accessibility: Read Only

Specifies the effective base permissions for the current user, as they SHOULD be displayed in the user interface (UI). [<61>](#) If the list is not in read-only UI mode, the value of **EffectiveBasePermissionsForUI** MUST be the same as the value of **EffectiveBasePermissions** (section [3.2.5.87.1.1.2](#)). If the list is in read-only UI mode, the value of **EffectiveBasePermissionsForUI** MUST be a subset of the value of **EffectiveBasePermissions**.

It MUST NOT be NULL.

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 Hypertext Markup Language (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.

3.2.5.87.1.2.8 AttachmentFiles

Type: Microsoft.SharePoint.Client.AttachmentCollection

Accessibility: Read Only

Specifies the collection of attachments that are associated with the list item. <62>

3.2.5.87.1.2.9 FirstUniqueAncestorSecurableObject

Type: Microsoft.SharePoint.Client.SecurableObject

Accessibility: Read Only

See **Microsoft.SharePoint.Client.SecurableObject.FirstUniqueAncestorSecurableObject**, as specified in section [3.2.5.118.1.2.2.<63>](#)

3.2.5.87.1.2.10 Folder

Type: Microsoft.SharePoint.Client.Folder

Accessibility: Read Only

Gets a **Microsoft.SharePoint.Client.Folder** (section [3.2.5.72](#)) object that is associated with the list item. <64>

Returns **null** if the list item is not a folder.

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

3.2.5.87.2.1.2 DeleteObject

Return Type: None

Deletes the list item.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	List does not support this operation or the list item does not exist in the external list.

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 value is NULL or empty, the field (2) does not support setting values, or the value cannot be converted to the type of the field (2).

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
-2130575338	Microsoft.SharePoint.SPException	List item does not exist.
-1	System.NotSupportedException	Method called on an external list.

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

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: CSOM Object

Exceptions:

Error Code	Error Type Name	Condition
-2130575155	Microsoft.SharePoint.SPFieldValueException	Field (2) is required and value is NULL or empty, the field (2) does not support setting values, or the value cannot be converted to the type of the field (2).

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
-2130575305	Microsoft.SharePoint.SPException	List item was modified on the server in a way that prevents changes from being committed, as determined by the protocol server.
-1	System.InvalidOperationException	List does not support this operation.

3.2.5.87.2.1.8 GetWOPIFrameUrl

Return Type: CSOM String

Validates that the action is available for this list item. If the action is available, sets the string to a URI for operating on the list item with the provided action. If the action is not available, sets the string to String.Empty.

Parameters:

action: Indicates which user action is indicated in the returned WOPIFrameUrl.

Type: Microsoft.SharePoint.Client.Utilities.SPWOPIFrameAction

3.2.5.87.2.1.9 ValidateUpdateListItem

Return Type: CSOM array of Microsoft.SharePoint.Client.ListItemFormUpdateValue

Validates and sets the values of the specified collection of fields (2) for the list item.

Parameters:

formValues: Specifies a collection of field internal names and values for the given field (2).

Type: CSOM array of Microsoft.SharePoint.Client.ListItemFormUpdateValue

It MUST NOT be NULL.

bNewDocumentUpdate: Specifies whether the list item is a document being updated after upload.

Type: CSOM Boolean

checkInComment: Check-in comment, if any. This parameter is only applicable when the list item is checked out.

Type: CSOM String

Exceptions:

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	A field (2) with the specified internal name does not exist.

3.2.5.87.2.1.10 GetUserEffectivePermissions

Return Type: Microsoft.SharePoint.Client.BasePermissions

Returns the user permissions for this list item.

Parameters:

userName: Specifies the user login name.

Type: CSOM String

It MUST NOT be NULL.

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.

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

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 [\[MS-ECTPWS\]](#) 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 is an external list.
-1	System.FormatException	sId is a list item identifier with invalid format, and the list is NOT an external list.
-1	System.OverflowException	The list does NOT have an external data source and the specified ID is an integer requiring more than 32 bits to represent.

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 as defined in [\[RFC5234\]](#):

PagingInfo = 0*(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

Represents a list definition or a list template, which defines the fields and views for a list. List definitions are contained in files within \\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\TEMPLATE\FEATURES, but list templates are created through the user interface or through the object model when a list is saved as a 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

Gets a Boolean value indicating whether folders can be created within lists created through the list definition or template.

3.2.5.91.1.1.2 BaseType

Type: Microsoft.SharePoint.Client.BaseType

Accessibility: Read Only

Gets the base type for the list definition or list template.

3.2.5.91.1.1.3 Description

Type: CSOM String

Accessibility: Read Only

Gets the description of the list definition or list template that is displayed in the user interface.

3.2.5.91.1.1.4 FeatureId

Type: CSOM GUID

Accessibility: Read Only

Gets the ID of the Feature containing the list definition.

3.2.5.91.1.1.5 Hidden

Type: CSOM Boolean

Accessibility: Read Only

Gets a Boolean value that specifies whether the list definition or list template is hidden from Web site users and does not appear as an option on the Create page.

3.2.5.91.1.1.6 ImageUrl

Type: CSOM String

Accessibility: Read Only

Gets the relative path, based on the server, for the image used to represent the list definition or 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

Gets the internal name used for the list definition or list template.

It MUST NOT be NULL.

3.2.5.91.1.1.8 IsCustomTemplate

Type: CSOM Boolean

Accessibility: Read Only

Gets a Boolean value that indicates whether the SPListTemplate object represents a list template, in other words, a template contained within an .stp file (custom template file).

3.2.5.91.1.1.9 ListTemplateTypeKind

Type: CSOM Int32

Accessibility: Read Only

Gets the type of the list definition or list template.

3.2.5.91.1.1.10 Name

Type: CSOM String

Accessibility: Read Only

Gets the display name for the list definition or list template.

It MUST NOT be NULL.

3.2.5.91.1.1.11 OnQuickLaunch

Type: CSOM Boolean

Accessibility: Read Only

Gets a Boolean value that specifies whether any list created with the list definition or list template is displayed on the Quick Launch bar.

3.2.5.91.1.1.12 Unique

Type: CSOM Boolean

Accessibility: Read Only

Gets a Boolean value that indicates whether only one instance of the list type can be created through the template, and that the template cannot be used to create a list through the object model or user interface.

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

3.2.5.92.2.2.1 GetByName

Return Type: Microsoft.SharePoint.Client.ListTemplate

Returns the list template with the specified name. [<65>](#)

Parameters:

strName: The specified name.

Type: CSOM String

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 basic list.

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.

3.2.5.93.1.5 Links

Value: 103

Specifies a **links** list.

3.2.5.93.1.6 Announcements

Value: 104

Specifies an announcements list.

3.2.5.93.1.7 Contacts

Value: 105

Specifies a contacts list.

3.2.5.93.1.8 Events

Value: 106

Specifies a calendar list.

3.2.5.93.1.9 Tasks

Value: 107

Specifies a task list.

3.2.5.93.1.10DiscussionBoard

Value: 108

Specifies a discussion board.

3.2.5.93.1.11PictureLibrary

Value: 109

Specifies a picture library.

3.2.5.93.1.12DataSources

Value: 110

Specifies a list of data sources for a site.

3.2.5.93.1.13WebTemplateCatalog

Value: 111

Specifies a **site template** gallery.

3.2.5.93.1.14UserInformation

Value: 112

Specifies a **user information list**.

3.2.5.93.1.15WebPartCatalog

Value: 113

Specifies a Web Part gallery.

3.2.5.93.1.16ListTemplateCatalog

Value: 114

Specifies a list template gallery.

3.2.5.93.1.17XMLForm

Value: 115

Specifies an XML **form library**.

3.2.5.93.1.18MasterPageCatalog

Value: 116

Specifies a **master page** gallery.

3.2.5.93.1.19NoCodeWorkflows

Value: 117

Specifies a **declarative workflow** library.

3.2.5.93.1.20WorkflowProcess

Value: 118

Specifies a form **custom action** workflow library.

3.2.5.93.1.21WebPageLibrary

Value: 119

Specifies a Wiki Page library.

3.2.5.93.1.22CustomGrid

Value: 120

Specifies a **custom list** in **datasheet** view.

3.2.5.93.1.23SolutionCatalog

Value: 121

Specifies a **site solution** gallery.

3.2.5.93.1.24NoCodePublic

Value: 122

Specifies a site collection scoped declarative workflow library.

3.2.5.93.1.25ThemeCatalog

Value: 123

Specifies a theme gallery.

3.2.5.93.1.26DataConnectionLibrary

Value: 130

Specifies a **data connection library**.

3.2.5.93.1.27WorkflowHistory

Value: 140

Specifies a **workflow history list**.

3.2.5.93.1.28GanttTasks

Value: 150

Specifies a project tasks list.

3.2.5.93.1.29Meetings

Value: 200

Specifies a meeting series list in a Meeting Workspace site.

3.2.5.93.1.30Agenda

Value: 201

Specifies an agenda list in a Meeting Workspace site.

3.2.5.93.1.31MeetingUser

Value: 202

Specifies an attendees list in a Meeting Workspace site.

3.2.5.93.1.32Decision

Value: 204

Specifies a decisions list in a Meeting Workspace site.

3.2.5.93.1.33MeetingObjective

Value: 207

Specifies an objectives list in a Meeting Workspace site.

3.2.5.93.1.34TextBox

Value: 210

Specifies a text box list in a Meeting Workspace site.

3.2.5.93.1.35ThingsToBring

Value: 211

Specifies a "things to bring" list in a Meeting Workspace site.

3.2.5.93.1.36HomePageLibrary

Value: 212

Specifies a pages library in a Meeting Workspace site.

3.2.5.93.1.37Posts

Value: 301

Specifies a posts list in a **blog**.

3.2.5.93.1.38Comments

Value: 302

Specifies a comments list in a blog.

3.2.5.93.1.39Categories

Value: 303

Specifies a categories list in a blog.

3.2.5.93.1.40Facility

Value: 402

Specifies a list to document shared assets in a group worksite.

3.2.5.93.1.41Whereabouts

Value: 403

Specifies a list to track employee locations in a group worksite.

3.2.5.93.1.42CallTrack

Value: 404

Specifies a list to track incoming phone call information in a group worksite.

3.2.5.93.1.43Circulation

Value: 405

Specifies a list to track the circulation of documents in a group worksite.

3.2.5.93.1.44Timecard

Value: 420

Specifies a list to manage work hours in a group worksite.

3.2.5.93.1.45Holidays

Value: 421

Specifies a list that can be used to add holidays to a calendar.

3.2.5.93.1.46IMEDic

Value: 499

Specifies an **IME** dictionary list.

3.2.5.93.1.47ExternalList

Value: 600

Specifies an external list.

3.2.5.93.1.48IssueTracking

Value: 1100

Specifies an issue tracking list.

3.2.5.93.1.49AdminTasks

Value: 1200

Specifies an Administrator tasks list.

3.2.5.93.1.50HealthRules

Value: 1220

Specifies a Health Rules list.

3.2.5.93.1.51HealthReports

Value: 1221

Specifies a Health Reports library.

3.2.5.93.1.52InvalidType

Value: -1

Not used.

3.2.5.93.1.53AccessRequest

Value: 160

Specifies a type of list that contains access requests. Access requests can be made for a site or for a list or for a list item. It also contains external user invitations. <66>

3.2.5.93.1.54DesignCatalog

Value: 124

Specifies a type of list that contains designs. <67> Each design item defines a customized look for the site and contains references to the master page, theme, background image and font for the look.

3.2.5.93.1.55MaintenanceLogs

Value: 175

Specifies a maintenance log. <68>

3.2.5.93.1.56AppDataCatalog

Value: 125

Specifies an **app (1)** data catalog.

3.2.5.93.1.57TasksWithTimelineAndHierarchy

Value: 171

Specifies a tasks list with hierarchy and a timeline.

3.2.5.93.1.58MySiteDocumentLibrary

Value: 700

Specifies a My Site Document library, the default document library on a user's My Site. <69>

3.2.5.93.1.59DeveloperSiteDraftApps

Value: 1230

Stores a list of apps (1) deployed in a Developer Site. <70>

3.2.5.93.1.60HelpLibrary

Value: 151

Specifies a help 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 inherits navigation. When this value is set, the change with the new value MUST be sent by the protocol client in the next request to the protocol server.

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. 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. MUST be NULL if the top navigation bar is defined in a different site 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

3.2.5.95.2.2.1 GetNodeById

Return Type: Microsoft.SharePoint.Client.NavigationNode

Gets the navigation node (**SP.NavigationNode**, section [3.2.5.96](#)) by using an integer identifier. <71>

Parameters:

id: Specifies the identifier of the navigation node.

Type: CSOM Int32

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 NOT 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.

3.2.5.96.1.1.4 IsExternal

Type: CSOM Boolean

Accessibility: Read Only

Gets a Boolean value that specifies whether the navigation node URL corresponds to a page outside the site collection. [<72>](#)

3.2.5.96.1.1.5 IsVisible

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the navigation node is visible. [<73>](#)

3.2.5.96.1.1.6 IsDocLib

Type: CSOM Boolean

Accessibility: Read Only

Gets a Boolean value that specifies whether the navigation node points to a document library.

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

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

3.2.5.97.2.1.1 MoveAfter

Return Type: None

Moves a navigation node after a specified navigation node in the navigation node collection. <74>

Parameters:

nodeId: Identifier of the navigation node that is moved.

Type: CSOM Int32

previousNodeId: Identifier of the navigation node after which the node identified by *nodeId* moves to.

Type: CSOM Int32

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 (1) and adds it to the collection.

Parameters:

parameters: Describes the node to be created.

Type: Microsoft.SharePoint.Client.NavigationNodeCreationInformation

It MUST NOT be NULL.

3.2.5.97.2.2.2 GetById

Return Type: Microsoft.SharePoint.Client.NavigationNode

Returns the navigation node with the specified identifier. [<75>](#) It MUST return NULL if no navigation node corresponds to the specified identifier.

Parameters:

id: Specifies the identifier of the navigation node.

Type: CSOM Int32

3.2.5.97.2.2.3 GetByIndex

Return Type: Microsoft.SharePoint.Client.NavigationNode

Returns the navigation node at the specified index. [<76>](#)

Parameters:

index: The index of the navigation node to be returned.

Type: CSOM Int32

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

Gets or sets a Boolean value that specifies whether the navigation node will be created as the last node in the navigation node collection. Has no effect if PreviousNode is not null.

3.2.5.98.1.1.2 IsExternal

Type: CSOM Boolean

Accessibility: Read/Write

Gets a Boolean value that specifies whether the navigation node URL can correspond to a page outside the site collection.

3.2.5.98.1.1.3 Title

Type: CSOM String

Accessibility: Read/Write

Gets or sets the string to be used as the anchor text for the node navigation 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

Gets or sets 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

Gets or sets a 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 [\[MS-WSSFO3\]](#) section [2.2.1.2.14](#).

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.

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.

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.

3.2.5.99.1.10NewForm

Value: 8

Specifies a list form for creating a new list item.

3.2.5.99.1.11NewFormDialog

Value: 9

Specifies a list form for creating a new list item that can be displayed within a dialog box on a client computer.

3.2.5.99.1.12SolutionForm

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 that represents a user or group 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.

Its value MUST be equal to or greater than 1. Its value MUST be equal to or less than 2147483647.

3.2.5.100.1.1.2 LoginName

Type: CSOM String

Accessibility: Read Only

If this object (1) represents a user, **LoginName** specifies the **login name** of the user. For a group, it specifies the name of the group.

3.2.5.100.1.1.3 PrincipalType

Type: Microsoft.SharePoint.Client.Utilities.PrincipalType

Accessibility: Read Only

Specifies the type of principal represented by this object (1).

3.2.5.100.1.1.4 Title

Type: CSOM String

Accessibility: Read/Write

Specifies the name of the principal.

It MUST NOT be NULL. Its length MUST be equal to or less than 255.

3.2.5.100.1.1.5 IsHiddenInUI

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the principal is hidden in the user interface (UI).<77>

3.2.5.100.1.2ObjectPath Properties

None.

3.2.5.100.2 Methods

3.2.5.100.2.1Scalar Methods

None.

3.2.5.100.2.2ObjectPath Methods

None.

3.2.5.101 Microsoft.SharePoint.Client.PropertyValues

TypeId: {3973524D-2D5A-4683-AA39-38A2ACC6E63C}

ShortName: SP.PropertyValues

3.2.5.101.1 Properties

3.2.5.101.1.1Scalar Properties

None.

3.2.5.101.1.2ObjectPath Properties

None.

3.2.5.101.2 Methods

3.2.5.101.2.1Scalar Methods

3.2.5.101.2.1.1 SetFieldValue

Return Type: None

Parameters:

fieldName:

Type: CSOM String

value:

Type: CSOM Object

3.2.5.101.2.2ObjectPath Methods

None.

3.2.5.102 Microsoft.SharePoint.Client.QuickLaunchOptions

ShortName: SP.QuickLaunchOptions

Flag: false

Specifies whether the list will be displayed on quick launch bar or not.

3.2.5.102.1 Field Values

3.2.5.102.1.1 Off

Value: 0

Indicates that the list will not be displayed in the Quick Launch Bar.

3.2.5.102.1.2 On

Value: 1

Indicates that the list will be displayed in the Quick Launch Bar.

3.2.5.102.1.3 DefaultValue

Value: 2

Indicates that the decision of list being displayed in the Quick Launch Bar will be based on the list template's OnQuickLaunch property.

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 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 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.

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.

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

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 with the same name already exists in the original location.
- 2130575168	Microsoft.SharePoint.SPException	Recycle Bin item contains duplicate field (2) values for a field (2) where Field.EnforceUniqueValues is "true".

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

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 with the same name already exists in the original location.
- 2130575168	Microsoft.SharePoint.SPException	Recycle Bin item contains duplicate field (2) values for a field (2) where Field.EnforceUniqueValues is "true".

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

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 item state is not specified.

3.2.5.105.1.2 FirstStageRecycleBin

Value: 1

Specifies that the item is in the end-user Recycle Bin.

3.2.5.105.1.3 SecondStageRecycleBin

Value: 2

Specifies that the item is in the second stage of 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.

3.2.5.106.1.3FileVersion

Value: 2

Specifies that the Recycle Bin item is a historical version of a file.

3.2.5.106.1.4ListItem

Value: 3

Specifies that the Recycle Bin item is a list item.

3.2.5.106.1.5List

Value: 4

Specifies that the Recycle Bin item is a list.

3.2.5.106.1.6Folder

Value: 5

Specifies that the Recycle Bin item is a folder.

3.2.5.106.1.7FolderWithLists

Value: 6

Specifies that the Recycle Bin item is a folder that contains a list.

3.2.5.106.1.8Attachment

Value: 7

Specifies that the Recycle Bin item is an attachment.

3.2.5.106.1.9ListItemVersion

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.

3.2.5.106.1.11 Web

Value: 10

Specifies that the Recycle Bin item is a site. [.<78>](#)

3.2.5.107 Microsoft.SharePoint.Client.RelatedField

TypeId: {A91DEB1A-2F24-4AC5-A1A6-3B1E530C307F}

ShortName: SP.RelatedField

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 id of the corresponding Lookup Field.

3.2.5.107.1.1.2 ListId

Type: CSOM GUID

Accessibility: Read Only

Specifies the ID of the List containing the corresponding Lookup Field.

3.2.5.107.1.1.3 RelationshipDeleteBehavior

Type: Microsoft.SharePoint.Client.RelationshipDeleteBehaviorType

Accessibility: Read Only

Specifies the delete behavior of the corresponding Lookup Field.

3.2.5.107.1.1.4 WebId

Type: CSOM GUID

Accessibility: Read Only

Specifies the ID of the Web containing the corresponding 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 List that the corresponding Lookup Field looks up to.

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

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

3.2.5.108.2.2.1 GetByFieldId

Return Type: Microsoft.SharePoint.Client.RelatedField

Parameters:

fieldId:

Type: CSOM GUID

3.2.5.109 Microsoft.SharePoint.Client.RelationshipDeleteBehaviorType

ShortName: SP.RelationshipDeleteBehaviorType

Flag: false

Defines the type of behavior that happens when you delete a parent item of two related lists.

3.2.5.109.1 Field Values

3.2.5.109.1.1 None

Value: 0

Nothing happens when you delete a parent item, and we leave the child item pointing to the parent as an orphan.

3.2.5.109.1.2 Cascade

Value: 1

A cascade delete happens when you delete a parent item, deleting all related child items of the related list.

3.2.5.109.1.3 Restrict

Value: 2

A parent item having any child items in the related list cannot be deleted.

3.2.5.110 Microsoft.SharePoint.Client.RequestContext

TypeId: {3747ADCD-A3C3-41B9-BFAB-4A64DD2F1E0A}

ShortName: SP.RequestContext

SPContext: provide basic WSS context information: site, web, list, listitem

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

Returns the SPContext for the current HttpContext.

3.2.5.110.1.2.2 Site

Type: Microsoft.SharePoint.Client.Site

Accessibility: Read Only

Returns the SPSite object

It MUST NOT be NULL.

3.2.5.110.1.2.3 Web

Type: Microsoft.SharePoint.Client.Web

Accessibility: Read Only

Gets the Web site that is associated with the Windows SharePoint Services context.

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 on a securable object.

3.2.5.111.1 Properties

3.2.5.111.1.1 Scalar Properties

3.2.5.111.1.1.1 PrincipalId

Type: CSOM Int32

Accessibility: Read Only

Specifies the identifier of the user or group corresponding to the role assignment. <79>

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 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 (1) from the parent role assignment collection.

Parameters: None

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 to be imported.

Type: Microsoft.SharePoint.Client.RoleDefinitionBindingCollection

3.2.5.111.2.1.3 Update

Return Type: None

Updates the role assignment object (1) with changes that have been made to its properties.

Parameters: None

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 (1) 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

3.2.5.112.1.2.1 Groups

Type: Microsoft.SharePoint.Client.GroupCollection

Accessibility: Read Only

A collection of groups that is associated with this role assignment collection. [<80>](#)

3.2.5.112.2 Methods

3.2.5.112.2.1 Scalar Methods

3.2.5.112.2.1.1 AddRoleAssignment

Return Type: None

Adds a role assignment to the role assignment collection. [<81>](#)

Parameters:

principalId: Specifies the user or group of the role assignment.

Type: CSOM Int32

roleDefId: Specifies the role definition of the role assignment.

Type: CSOM Int32

3.2.5.112.2.1.2 RemoveRoleAssignment

Return Type: None

Removes the role assignment with the specified user or group from the collection. [<82>](#)

Parameters:

principalId: Specifies the user or group of the role assignment.

Type: CSOM Int32

roleDefId: Specifies the identifier of the role definition of the role assignment.

Type: CSOM Int32

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 (1) that represents the user or group of the role assignment.

Type: Microsoft.SharePoint.Client.Principal

It MUST NOT be NULL.

roleBindings: An object (1) that represents the collection of the role definitions to 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.

3.2.5.112.2.2.2 GetByPrincipal

Return Type: Microsoft.SharePoint.Client.RoleAssignment

Retrieves the role assignment object (1) based on the specified user or group.

Parameters:

principalToFind: An object (1) that represents the user or group.

Type: Microsoft.SharePoint.Client.Principal

It MUST NOT be NULL.

3.2.5.112.2.2.3 GetByPrincipalId

Return Type: Microsoft.SharePoint.Client.RoleAssignment

Retrieves the role assignment object (1) based on the **Id** property of the specified user or group.

Parameters:

principalId: An identifier of the object (1) that represents the user or group.

Type: CSOM Int32

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 inherits permission levels from a parent site , 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 inherits permission levels from a parent site, 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.

3.2.5.113.1.1.6 Order

Type: CSOM Int32

Accessibility: Read/Write

Specifies the order position of the object (1) 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 with

Error Code	Error Type Name	Condition
		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 (1)

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPException	Role definition type is either Guest or Administrator

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
-1	System.InvalidOperationException	Role definition is inherited from a parent site.

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 (1).

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.

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

3.2.5.114.2.2.1 GetById

Return Type: Microsoft.SharePoint.Client.RoleDefinition

Returns a **SP.RoleDefinition** (section [3.2.5.113](#)) specified by the identifier of that **SP.RoleDefinition**.[<83>](#)

Parameters:

id: Specifies the identifier of the SP.RoleDefinition.

Type: CSOM Int32

Exceptions:

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	The role definition that the SP.RoleDefinition represents does not exist in the collection at the given scope.

3.2.5.114.2.2.2 CSOM Constructor

Create an object for holding a collection of role definitions binding information.[<84>](#)

Parameters: 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 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 (1) 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
- 2130575259	Microsoft.SharePoint.SPException	There are more than 1000 role definitions added to the same site

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

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.

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

3.2.5.116 Microsoft.SharePoint.Client.RoleDefinitionCreationInformation

TypeId: {59EDDF82-1018-4677-8067-69E16EFD3495}

ShortName: SP.RoleDefinitionCreationInformation

The parameters to create 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

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 roles MUST be displayed in the WFE.

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.

3.2.5.117.1 Field Values

3.2.5.117.1.1 None

Value: 0

The role definition has no rights on the 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, or item in a list, without granting rights to view the entire site. Users cannot be added explicitly to the guest role; users who are given access to lists or document libraries by using permissions for a specific list 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**. A reader can only read a site; 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 or document libraries, but they can add content to existing lists 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, 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 and create new lists 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.

3.2.5.117.1.7 Editor

Value: 6

This role definition has contributor rights and the right to create, manage and delete lists. Includes all rights in the contributor role and "ManageLists". Editors can create new lists and document libraries.

3.2.5.118 Microsoft.SharePoint.Client.SecurableObject

TypeId: {1B1BF348-994E-44FD-823F-0748F5AD94C8}

ShortName: SP.SecurableObject

An object (1) 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.

3.2.5.118.1.2.2 FirstUniqueAncestorSecurableObject

Type: Microsoft.SharePoint.Client.SecurableObject

Accessibility: Read Only

Specifies the object where role assignments for this object are defined. [<85>](#)

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, and the *clearSubScopes* parameter is "true", the role assignments for all child securable objects in the current site (2) and in the sites (2) that inherit role assignments from the current site (2) MUST be cleared and those securable objects 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 (1) 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 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 (1) MUST remain unchanged.

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	There are uncommitted changes for the current site

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.

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 in a Web application, including a top-level site and all of its subsites.

The CanUpgrade, UpgradeInfo and Usage properties are 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".

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".

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".

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 occurs. If throttling occurs, list items MUST NOT 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".

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

Specifies the full URL of the site, 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, including bandwidth, storage, and the number of visits to the site collection.

3.2.5.119.1.1.11 CompatibilityLevel

Type: CSOM Int32

Accessibility: Read Only

Specifies the compatibility level of the site collection for the purpose of major version level compatibility checks.<86>

3.2.5.119.1.1.12 LockIssue

Type: CSOM String

Accessibility: Read Only

Specifies the comment that is used when a site collection is locked.<87>

3.2.5.119.1.1.13 ReadOnly

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the site collection is read-only and is unavailable for write access.<88>

3.2.5.119.1.1.14 CanUpgrade

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether this site collection is in an implementation-specific valid state for site collection upgrade, "true" if it is; otherwise, "false".<89>

3.2.5.119.1.1.15 AllowSelfServiceUpgrade

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether version-to-version site collection upgrade is allowed on this site collection.<90> "true" if it is; otherwise, "false".

3.2.5.119.1.1.16 AllowSelfServiceUpgradeEvaluation

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether **upgrade evaluation site collection** is allowed to be created for this site collection.<91> "true" if it is; otherwise, "false".

3.2.5.119.1.1.17 PrimaryUri

Type: CSOM String

Accessibility: Read Only

Specifies the primary URI of this site collection, including the host name, port number, and path.

3.2.5.119.1.1.18 UpgradeReminderDate

Type: CSOM DateTime

Accessibility: Read Only

Specifies a date, after which site collection administrators will be reminded to upgrade the site collection.

3.2.5.119.1.1.19 UpgradeInfo

Type: Microsoft.SharePoint.Client.UpgradeInfo

Accessibility: Read Only

Specifies the upgrade information of this site collection.

3.2.5.119.1.1.20 Upgrading

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the site collection is currently being upgraded.

3.2.5.119.1.1.21 ShareByLinkEnabled

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the user will be able to share links to the documents that can be accessed without signing in.

3.2.5.119.1.1.22 AllowCreateDeclarativeWorkflow

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether a designer can be used to create declarative workflows on this site collection. See **Microsoft.SharePoint.Client.Web.AllowCreateDeclarativeWorkflowForCurrentUser** (section [3.2.5.143.1.1.31](#)), 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".

3.2.5.119.1.1.23 AllowSaveDeclarativeWorkflowAsTemplate

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether a designer can be used to save declarative workflows as a template on this site collection. See **Microsoft.SharePoint.Client.Web.AllowSaveDeclarativeWorkflowAsTemplateForCurrentUser** (section [3.2.5.143.1.1.32](#)), 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".

3.2.5.119.1.1.24 AllowSavePublishDeclarativeWorkflow

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether a designer can be used to save or publish declarative workflows on this site collection. See **Microsoft.SharePoint.Client.Web.AllowSavePublishDeclarativeWorkflowForCurrentUser**

(section [3.2.5.143.1.1.33](#)), 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".

3.2.5.119.1.1.25 RequiredDesignerVersion

Type: CSOM String

Accessibility: Read Only

Specifies the required minimum version of the designer that can be used on this site collection. The default, if not disabled on the Web application, is "15.0.0.0".

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.

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.

3.2.5.119.1.2.5 Owner

Type: Microsoft.SharePoint.Client.User

Accessibility: Read/Write

Specifies the owner of the site collection. [<92>](#)

3.2.5.119.1.2.6 EventReceivers

Type: Microsoft.SharePoint.Client.EventReceiverDefinitionCollection

Accessibility: Read Only

Specifies the collection of event receivers of this site. <93>

3.2.5.119.2 Methods

3.2.5.119.2.1 Scalar Methods

3.2.5.119.2.1.1 CreatePreviewSPSite

Return Type: None

Schedules the creation of an evaluation copy of the site collection for the purposes of evaluating an upgrade of the site collection to a newer version. <94>

Parameters:

upgrade: If "true", the evaluation site collection MUST be upgraded when it is created. If "false", the evaluation site collection MUST NOT be upgraded when it is created.

Type: CSOM Boolean

sendemail: If "true", a notification email MUST be sent to the requestor and the site collection administrators at the completion of the creation of the evaluation site collection. If "false", such notification MUST NOT be sent.

Type: CSOM Boolean

3.2.5.119.2.1.2 ExtendUpgradeReminderDate

Return Type: None

Extend the upgrade reminder date for this site collection, so that site collection administrators will not be reminded to run site collection upgrade before the new date. <95>

Parameters: None

3.2.5.119.2.1.3 Invalidate

Return Type: None

Invalidates cached upgrade information about the site collection so that this information will be recomputed the next time it is needed. <96>

Parameters: None

3.2.5.119.2.1.4 NeedsUpgradeByType

Return Type: CSOM Boolean

Returns "true" if this site collection requires site collection upgrade of the specified type; otherwise, "false". <97>

Parameters:

versionUpgrade: If "true", version-to-version site collection upgrade is requested; otherwise "false" for build-to-build site collection upgrade.

Type: CSOM Boolean

recursive: If "true", child upgradable objects will be inspected; otherwise "false".

Type: CSOM Boolean

3.2.5.119.2.1.5 RunUpgradeSiteSession

Return Type: None

Either runs a site collection upgrade, or schedules it to be run in the future, depending on available system resources and the value of the *queueOnly* parameter. <98>

The user executing this method MUST be a farm administrator or a site collection administrator.

Parameters:

versionUpgrade: If "true", specifies that a version-to-version upgrade will be performed. If "false", specifies that a build-to-build upgrade will be performed.

Type: CSOM Boolean

queueOnly: If "true", specifies that the upgrade will not be run immediately; it will be queued for a later run.

Type: CSOM Boolean

sendEmail: If "true", a notification email will be sent to the requestor and the site collection administrators at the completion of the site collection upgrade. If "false", such notification will not be sent.

Type: CSOM Boolean

3.2.5.119.2.1.6 UpdateClientObjectModelUseRemoteAPIsPermissionSetting

Return Type: None

Sets whether the client-side object model (CSOM) requests that are made in the context of any site inside the site collection require *UseRemoteAPIs* permission.

Parameters:

requireUseRemoteAPIs: Specifies whether the client-side object model (CSOM) requests that are made in the context of any site inside the site collection require *UseRemoteAPIs* permission.

Type: CSOM Boolean

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 to 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.

Parameters:

web: Specifies the site 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 by using the specified URL.

Parameters:

strUrl: Specifies the server-relative URL or site-relative URL of the site to open. If **strUrl** is empty, the top-level site MUST be opened.

Type: CSOM String

It MUST NOT be NULL.

3.2.5.119.2.2.5 OpenWebById

Return Type: Microsoft.SharePoint.Client.Web

Returns the site with the specified GUID.

Parameters:

gWebId: A GUID that specifies which site to return.

Type: CSOM GUID

3.2.5.119.2.2.6 GetWebTemplates

Return Type: Microsoft.SharePoint.Client.WebTemplateCollection

Returns the collection of **site definitions** that are available for creating **Web sites** within the site collection. [<99>](#)

Parameters:

LCID: A 32-bit unsigned integer that specifies the language of the site definitions that are returned from the site collection.

Type: CSOM UInt32

overrideCompatLevel: Specifies the compatibility level of the site to return from the site collection. If this value is 0, the compatibility level of the site is used.

Type: CSOM Int32

3.2.5.119.2.2.7 RunHealthCheck

Return Type: Microsoft.SharePoint.Client.SiteHealth.SiteHealthSummary

Runs a health check as follows. <100> (The health rules referenced below perform an implementation-dependent check on the health of a site collection.)

- If *ruleId* is not an empty GUID, runs the specified site collection health rule and returns a summary of the results. If *ruleId* is an empty GUID, runs all of the site collection health rules and returns a summary of the results.
- If *bRepair* is "true", runs the specified rules in repair mode. In this case, and if a given rule is repairable, an attempt will be made to repair issues found by the rule, and the results from that attempted repairs are returned. If *bRepair* is "false", an attempt to repair issues found is not made.
- If *bRunAlways* is "true", rules are always run by this method, and the results are returned. If "false", cached results from a recent previous run can be returned instead.

Parameters:

ruleId: Specifies the rule or rules to be run. If the value is an empty GUID, all rules are run, otherwise only the specified rule is run.

Type: CSOM GUID

bRepair: Specifies whether repairable rules are to be run in repair mode.

Type: CSOM Boolean

bRunAlways: Specifies whether the rules will be run as a result of this call or cached results from a previous run can be returned.

Type: CSOM Boolean

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

An integer that identifies the site template used to provision this site. The value defaults to -1, which means no configuration filter is used for the query. The value must not be less than -1.

3.2.5.120.1.1.2 WebTemplateFilter

Type: CSOM Int32

Accessibility: Read/Write

An integer that identifies the template used in the site definition to define the base structure of this site. The value defaults to -1, which means no web template filter is used for the query. The value 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 ghosted file template to use

3.2.5.121.1 Field Values

3.2.5.121.1.1 StandardPage

Value: 0

A standard page uses the default view template. Value is 0.

3.2.5.121.1.2 WikiPage

Value: 1

A Wiki page uses the default Wiki template. Value is 1.

3.2.5.121.1.3 FormPage

Value: 2

A form page uses the default form template. Value is 2.

3.2.5.122 Microsoft.SharePoint.Client.UrlFieldFormatType

ShortName: SP.UrlFieldFormatType

Flag: false

Specifies the display format used for URL fields.

3.2.5.122.1 Field Values

3.2.5.122.1.1 Hyperlink

Value: 0

Represents a usual anchor tag.

3.2.5.122.1.2Image

Value: 1

Represents an image that serves as a hyperlink.

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

Specifies 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 (1) was not successfully initialized or the user could not be found.
-1	Microsoft.SharePoint.SPException	The property is set when either the user object (1) 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

Specifies the member identifier of the user. See **Microsoft.SharePoint.Client.Principal.Id**, as specified in section [3.2.5.100.1.1.1](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPException	The user object (1) 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

Specifies 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 (1) 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 represented by this object (1).

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 (1) was not successfully initialized or the user could not be found.
-1	Microsoft.SharePoint.SPException	The property is set when either the user object (1) was not successfully initialized or the user could not be found.

3.2.5.124.1.1.6 IsSiteAdmin

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the user is the site collection administrator for this site collection. <101>

It MUST be false if the user is a group.

3.2.5.124.1.1.7 IsHiddenInUI

Type: CSOM Boolean

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Principal.IsHiddenInUI**, as specified in section [3.2.5.100.1.1.5.<102>](#)

3.2.5.124.1.1.8 UserId

Type: Microsoft.SharePoint.Client.UserIdInfo

Accessibility: Read Only

Gets identity provider's unique identifier information about the user.

The property returns null if identity provider's unique identifier cannot be constructed.

3.2.5.124.1.2 ObjectPath Properties

3.2.5.124.1.2.1 Groups

Type: Microsoft.SharePoint.Client.GroupCollection

Accessibility: Read Only

Gets the groups that this **User** (section [3.2.5.124](#)) is a member of. <103>

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

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 (1).

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.

3.2.5.125.2.1.2 RemoveById

Return Type: None

Removes the user with the specified member identifier from the collection. <104>

Parameters:

id: Specifies the member identifier.

Type: CSOM Int32

3.2.5.125.2.1.3 RemoveByLoginName

Return Type: None

Removes the user with the specified user name from the collection. <105>

Parameters:

loginName: A string that contains the user name.

Type: CSOM String

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 (1) 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
-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.

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
-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.

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.

3.2.5.125.2.2.4 GetById

Return Type: Microsoft.SharePoint.Client.User

Returns the user with the specified member identifier.

Parameters:

id: Specifies the member identifier.

Type: CSOM Int32

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.

3.2.5.126 Microsoft.SharePoint.Client.UserCreationInformation

TypeId: {6ECD8AF6-BED3-4A74-BE76-1EC981B350E1}

ShortName: SP.UserCreationInformation

Parameters to invite 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 URL 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 (1) 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 (1) 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 that 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
- 2130575305	Microsoft.SharePoint.SPException	Custom action was modified on the server in a way that prevents changes from being committed, as determined by the protocol server.

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
- 2130575305	Microsoft.SharePoint.SPException	Custom action was modified on the server in a way that prevents changes from being committed, as determined by the protocol server.

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
- 2130575305	Microsoft.SharePoint.SPException	Custom action was modified on the server in a way that prevents changes from being committed, as determined by the protocol server.

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

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

3.2.5.129 Microsoft.SharePoint.Client.UserCustomActionRegistrationType

ShortName: SP.UserCustomActionRegistrationType

Flag: false

Specifies the type of object (1) 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 (1) association is not specified.

3.2.5.129.1.2 List

Value: 1

Specifies that the custom action is associated with a list.

3.2.5.129.1.3 ContentType

Value: 2

Specifies that the custom action is associated with a content type.

3.2.5.129.1.4ProgId

Value: 3

Specifies that the custom action is associated with a ProgID.

3.2.5.129.1.5FileType

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

3.2.5.130.1.1Unknown

Value: 0

Specifies that the scope of the custom action is not specified.

3.2.5.130.1.2Site

Value: 2

Specifies that the scope of the custom action is limited to a site collection.

3.2.5.130.1.3Web

Value: 3

Specifies that the scope of the custom action is limited to a site.

3.2.5.130.1.4List

Value: 4

Specifies that the scope of the custom action is limited to a list.

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.

3.2.5.131.1.7 LongDate

Value: 6

Specifies that the date is in long format including the day of week, day, month and year. [<106>](#)

3.2.5.131.1.8 UnknownFormat

Value: 7

Specifies that the date parsing code SHOULD ignore the format mask when attempting to parse the given date. [<107>](#)

3.2.5.132 Microsoft.SharePoint.Client.Utilities.IconSize

ShortName: SP.Utilities.IconSize

Flag: false

Enumeration used to specify icon size requested for MapToIcon method in Microsoft.SharePoint.SPWeb class.

3.2.5.132.1 Field Values

3.2.5.132.1.1Size16

Value: 0

The default icon size is 16 x 16 pixels.

3.2.5.132.1.2Size32

Value: 1

The default icon size is 32 x 32 pixels.

3.2.5.132.1.3Size256

Value: 2

Specifies an icon size of 256 x 256 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.

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.

3.2.5.133.1.1.2 DisplayName

Type: CSOM String

Accessibility: Read Only

Specifies the display name of the principal.

3.2.5.133.1.1.3 Email

Type: CSOM String

Accessibility: Read Only

Specifies the e-mail address of the principal.

3.2.5.133.1.1.4 JobTitle

Type: CSOM String

Accessibility: Read Only

Specifies the job title of the principal.

3.2.5.133.1.1.5 LoginName

Type: CSOM String

Accessibility: Read Only

Specifies the login name of the principal.

3.2.5.133.1.1.6 Mobile

Type: CSOM String

Accessibility: Read Only

Specifies the number of a **mobile device** of the principal.

3.2.5.133.1.1.7 PrincipalId

Type: CSOM Int32

Accessibility: Read Only

Specifies an identifier for the principal. It MUST be -1 if the principal does not belong to the current site.

3.2.5.133.1.1.8 PrincipalType

Type: Microsoft.SharePoint.Client.Utilities.PrincipalType

Accessibility: Read Only

Specifies the type of principal.

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.

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.

3.2.5.134.1 Field Values

3.2.5.134.1.1None

Value: 0

Do not specify a principal source.

3.2.5.134.1.2UserInfoList

Value: 1

Use the user information list as the source.

3.2.5.134.1.3Windows

Value: 2

Use Windows as the source.

3.2.5.134.1.4MembershipProvider

Value: 4

Use the current membership provider as the source.

3.2.5.134.1.5RoleProvider

Value: 8

Use the current role provider as the source.

3.2.5.134.1.6All

Value: 15

Use all principal sources.

3.2.5.135 Microsoft.SharePoint.Client.Utilities.PrincipalType

ShortName: SP.Utilities.PrincipalType

Flag: true

Specifies the type of a principal.

3.2.5.135.1 Field Values

3.2.5.135.1.1None

Value: 0

Do not specify a principal type.

3.2.5.135.1.2User

Value: 1

A user principal type.

3.2.5.135.1.3DistributionList

Value: 2

A distribution list principal type.

3.2.5.135.1.4SecurityGroup

Value: 4

A security group principal type.

3.2.5.135.1.5SharePointGroup

Value: 8

A SharePoint group principal type.

3.2.5.135.1.6All

Value: 15

All principal 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

3.2.5.136.1.1Scalar Properties

None.

3.2.5.136.1.2ObjectPath Properties

None.

3.2.5.136.2 Methods

3.2.5.136.2.1Scalar Methods

3.2.5.136.2.1.1 CreateEmailBodyForInvitation

This method is a static CSOM method.

Return Type: CSOM String

Creates the contents of the e-mail message used to invite users to a document or resource in a site.

Parameters:

pageAddress: Specifies part of the display name for the document or resource.

Type: CSOM String

3.2.5.136.2.1.2 FormatDateTime

This method is a static CSOM method.

Return Type: CSOM String

Returns a string representation of a **DateTime** value based on the **regional settings** of the site and current user.

Parameters:

web: Specifies the site to be used when formatting the value.

Type: Microsoft.SharePoint.Client.Web

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

3.2.5.136.2.1.3 GetCurrentUserEmailAddresses

This method is a static CSOM method.

Return Type: CSOM String

Returns the email addresses of the current user. If more than one email address exists for the current user, returns a list of email addresses separated by semicolons.

Parameters: None

3.2.5.136.2.1.4 ResolvePrincipal

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.Utilities.PrincipalInfo

Returns information about a principal that matches the specified search criteria. If no matches are found, the protocol server MUST return NULL.

Parameters:

web: Specifies the site to be used when searching for a principal.

Type: Microsoft.SharePoint.Client.Web

It MUST NOT be NULL.

input: Specifies the value to be used when searching for a principal.

Type: CSOM String

If this is not the display name, e-mail address, or login name of a principal, 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.

Type: Microsoft.SharePoint.Client.Utilities.PrincipalType

sources: Specifies the source to be used when searching for a principal.

Type: Microsoft.SharePoint.Client.Utilities.PrincipalSource

usersContainer: Specifies the collection of users to be used when searching for a principal.

Type: Microsoft.SharePoint.Client.UserCollection

inputIsEmailOnly: Specifies whether only the e-mail address is used when searching for a principal.

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

This method is a static CSOM method.

Return Type: CSOM array of Microsoft.SharePoint.Client.Utilities.PrincipalInfo

Returns the collection of principals that partially or uniquely match the specified search criteria.

Parameters:

web: Specifies the site to be used when searching for a principal.

Type: Microsoft.SharePoint.Client.Web

It MUST NOT be NULL.

input: Specifies the value to be used when searching for a principal.

Type: CSOM String

If this is not the display name, e-mail address, or login name of a principal, the server MUST return an empty collection.

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.

Type: Microsoft.SharePoint.Client.Utilities.PrincipalType

sources: Specifies the source to be used when searching for a principal.

Type: Microsoft.SharePoint.Client.Utilities.PrincipalSource

usersContainer: Specifies the collection of users to be used when searching for a principal.

Type: Microsoft.SharePoint.Client.UserCollection

maxCount: Specifies the maximum number of principals 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.

3.2.5.136.2.1.6 GetPeoplePickerURL

This method is a static CSOM method.

Return Type: CSOM String

Returns a server-relative URL to a Web page used to search for principals. <108>

Parameters:

web: Specifies the site to be used when searching for principals

Type: Microsoft.SharePoint.Client.Web

It MUST NOT be NULL.

fieldUser: Specifies the field (2) to be used to set query parameters when searching for principals

Type: Microsoft.SharePoint.Client.FieldUser

It MUST NOT be NULL.

3.2.5.136.2.1.7 ResolvePrincipalInCurrentContext

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.Utilities.PrincipalInfo

Returns information about a principal that matches the specified search criteria in the context of the current Web site. <109>

Parameters:

input: Specifies the value to be used when searching for a principal.

Type: CSOM String

If this is not the display name, e-mail address, or login name of a principal, 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.

Type: Microsoft.SharePoint.Client.Utilities.PrincipalType

sources: Specifies the source to be used when searching for a principal.

Type: Microsoft.SharePoint.Client.Utilities.PrincipalSource

inputIsEmailOnly: Specifies whether only the e-mail address is used when searching for a principal.

Type: CSOM Boolean

addToUserInfoList: Specifies whether to add the principal to the user information list.

Type: CSOM Boolean

Exceptions:

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

3.2.5.136.2.1.8 MarkDiscussionAsFeatured

This method is a static CSOM method.

Return Type: None

Marks the specified discussion items as featured discussion items. [<110>](#)

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	The value passed for any of the required arguments is NULL.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions to mark the discussion items as featured discussion items.
-1	Microsoft.SharePoint.SPException	The security validation of the page failed.
-1	Microsoft.SharePoint.SPException	Any of the discussion items specified by the parameter <i>topicIDs</i> is invalid.

Parameters:

listID: Identifies the discussion board which contains the discussion items to be marked as featured discussion items.

Type: CSOM String

topicIDs: Identifies the discussion items to be marked as featured discussion items.

Type: CSOM String

The string MUST be formed by concatenating the identifiers for the discussion items using the comma character ",".

3.2.5.136.2.1.9 UnmarkDiscussionAsFeatured

This method is a static CSOM method.

Return Type: None

Unmarks the specified discussion items as featured discussion items. <111>

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	The value passed for any of the required arguments is NULL.
-2147024891	System.UnauthorizedAccessException	The current user has insufficient permissions to unmark the discussion items as featured discussion items.
-1	Microsoft.SharePoint.SPException	The security validation of the page failed.
-1	Microsoft.SharePoint.SPException	Any of the discussion items specified by the parameter <i>topicIDs</i> is invalid.

Parameters:

listID: Identifies the discussion board which contains the discussion items to be unmarked as featured discussion items.

Type: CSOM String

topicIDs: Identifies the discussion items to be marked as featured discussion items.

Type: CSOM String

The string MUST be formed by concatenating the identifiers for the discussion items using the comma character ",".

3.2.5.136.2.1.10 SendEmail

This method is a static CSOM method.

Return Type: None

Sends the e-mail message to the specified address. <112>

Parameters:

properties: The set of properties that define the email to send.

Type: Microsoft.SharePoint.Client.Utilities.EmailProperties

3.2.5.136.2.1.11 LogCustomAppError

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.Utilities.LogAppErrorResult

Logs an error from an **app for SharePoint**. <113> The return value indicates the success or failure of this operation.

These errors are of interest to administrators who monitor such apps (2).

Parameters:

error: Error string to log.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	The <i>error</i> parameter is NULL or empty.
- 2147024891	System.UnauthorizedAccessException	The Web site in the current request context does not represent a site for the app (2) which matches the app (2) identity in the current request.

3.2.5.136.2.1.12 **GetAppLicenseInformation**

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.AppLicenseCollection

Gets the collection of the **marketplace licenses** entitling the user to use the specified app (2) within the **site subscription** including the current site. <114>

The Web site in the current request context MUST represent a site for the app (2) that is identified by the *productId* parameter or the app (2) identity in the current request MUST match the app (2) identity of the app (2) that is identified by the *productId* parameter.

Parameters:

productId: **App product identifier** of the specified app (2).

Type: CSOM GUID

3.2.5.136.2.1.13 **IsUserLicensedForEntityInContext**

This method is a static CSOM method.

Return Type: CSOM Boolean

Specifies whether the currently logged in user has the appropriate license to access the specified entity. <115>

If "true", the user has the proper license to access the specified entity; otherwise, "false".

Parameters:

licensableEntity: The name of the entity to check the user's license for. The format of the string is an implementation detail of the protocol server.

Type: CSOM String

3.2.5.136.2.1.14 **GetAppLicenseDeploymentId**

This method is a static CSOM method.

Return Type: CSOM GUID

Returns the **marketplace deployment identifier** associated with site subscription of the site. If there is no marketplace deployment identifier associated with the site subscription of the site, it randomly generates one and associates it with the site subscription of the site. <116> This method MUST be called by a site collection administrator of the site collection including the current site.

Parameters: None

3.2.5.136.2.1.15 ImportAppLicense

This method is a static CSOM method.

Return Type: None

Imports the given marketplace license, along with the associated app for SharePoint information, to the site subscription associated with the site. <117> This method MUST be called by a site collection administrator of the site collection including the current site.

Parameters:

licenseTokenToImport: The **marketplace license token** associated with the marketplace license.

Type: CSOM String

If the marketplace license is a test license, this token could be missing the marketplace deployment identifier. Otherwise, the token MUST have a marketplace deployment identifier matching the marketplace deployment identifier associated with the site subscription of the site. If the marketplace license is not a test license, then this token MUST be verified by the marketplace for authenticity for method to import the marketplace license.

This MUST NOT be NULL. This MUST NOT be empty string.

contentMarket: The **marketplace content market** of the marketplace license to be imported.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty string. The format of the string MUST be as described in [\[RFC4646\]](#) section 2.1.

billingMarket: The **marketplace billing market** of the marketplace license to be imported.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty string. The string MUST take one of the values defined in [\[ISO-3166\]](#).

appName: The title of the app (2).

Type: CSOM String

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

iconUrl: The location of the icon image of the app (2).

Type: CSOM String

If it is not NULL, It MUST be a URL of absolute form.

providerName: The name of the publisher of the app (2).

Type: CSOM String

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

appSubtype: The subtype of the app (2).

Type: CSOM Int32

3.2.5.136.2.1.16 SearchPrincipalsUsingContextWeb

This method is a static CSOM method.

Return Type: CSOM array of Microsoft.SharePoint.Client.Utilities.PrincipalInfo

Returns the collection of principals that partially or uniquely matches the specified search criteria in the context of the current Web site. <118>

Parameters:

input: Specifies the value to be used when searching for a principal.

Type: CSOM String

If this is not the display name, e-mail address, or login name of a principal, the server MUST return an empty collection.

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.

Type: Microsoft.SharePoint.Client.Utilities.PrincipalType

sources: Specifies the source to be used when searching for a principal.

Type: Microsoft.SharePoint.Client.Utilities.PrincipalSource

groupName: Specifies the name of a **site collection group** in the site collection that contains the current Web site. The collection of users in this site collection group is used when searching for a principal.

Type: CSOM String

maxCount: Specifies the maximum number of principals to be returned.

Type: CSOM Int32

If the value is equal to or less than 0, the server MUST return an empty collection.

3.2.5.136.2.1.17 GetLocalizedString

This method is a static CSOM method.

Return Type: CSOM String

Retrieves the value for a named resource string from the resource file for a specified language. If a value cannot be found in the requested language, the value for the invariant language is returned. If a resource file for the invariant language does not exist or the specified resource name does not exist, the source string is returned without localization.

Parameters:

source: Specifies the resource in the form `$Resources:key`, where key is the name half of a name/value pair in a resource file.

Type: CSOM String

defaultResourceFile: Specifies the base file name of the language resource file containing a localized string value. For example, if there are a series of resource files named myresources.en-us.resx, myresources.es-es.resx, myresources.de-de.resx, and so on, the value to pass in this parameter is myresources.

Type: CSOM String

language: Specifies the LCID of the target language. The value MUST be a valid language code identifier (LCID).

Type: CSOM Int32

3.2.5.136.2.1.18 GetLowerCaseString

This method is a static CSOM method.

Return Type: CSOM String

Gets the lower case value of a CSOM String using the supplied locale.

Parameters:

sourceValue: Value to convert to lower case.

Type: CSOM String

lcid: Locale ID to be used when converting to lower case.

Type: CSOM Int32

3.2.5.136.2.1.19 LogCustomRemoteAppError

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.Utilities.LogAppErrorResult

Logs an error from an app for SharePoint. [<119>](#) The return value indicates the success or failure of this operation.

These errors are of interest to administrators who monitor such apps (2).

Parameters:

productId: The app product identifier of the **application**.

Type: CSOM GUID

It MUST NOT be an empty GUID.

error: Error string to log.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	Thrown when the <i>error</i> parameter is null or empty or the <i>productId</i> parameter is empty.

Error Code	Error Type Name	Condition
- 2147024891	System.UnauthorizedAccessException	Thrown if there is no valid app (2) context.

3.2.5.136.2.2 ObjectPath Methods

3.2.5.136.2.2.1 CreateNewDiscussion

This method is a static CSOM method.

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 contains the new discussion item.

Type: Microsoft.SharePoint.Client.List

title: Specifies the value of the **Title** field (2) of the new discussion item.

Type: CSOM String

3.2.5.136.2.2.2 CreateNewDiscussionReply

This method is a static CSOM method.

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 as specified by **ListItem** (section [3.2.5.87](#)).

Parameters:

parent: Specifies the parent discussion item of the new discussion item.

Type: Microsoft.SharePoint.Client.ListItem

3.2.5.136.2.2.3 CreateNewDiscussionItem

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.ListItem

Takes a **ListItem** (section [3.2.5.87](#)) that is created in a discussion board and sets fields (2) and other internal state in such a way that when the **Update** method is called on the list item, a discussion item that properly contains replies is created. [<120>](#)

Parameters:

listId: The list item identifier.

Type: CSOM GUID

title: The value to put in the Title field (2) of the item. This value is also used for the name of the created folder.

Type: CSOM String

3.2.5.136.2.2.4 CreateWikiPageInContextWeb

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.File

Creates a wiki page. [<121>](#)

Parameters:

parameters: The information used to create the wiki page.

Type: Microsoft.SharePoint.Client.Utilities.WikiPageCreationInformation

It MUST NOT be NULL.

3.2.5.136.2.2.5 LocalizeWebPartGallery

This method is a static CSOM method.

Return Type: CSOM array of Microsoft.SharePoint.Client.ListItem

Localizes fields (2) in a Web Part gallery for the specified collection of list items.

Parameters:

items: A collection of list items for a Web Part gallery.

Type: Microsoft.SharePoint.Client.ListItemCollection

It MUST NOT be NULL.

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".

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.

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 URL 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.

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**.

3.2.5.137.1.1.16 MobileView

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the list view is a **mobile list view**.

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 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:

```
<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 (2) 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 to 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".

3.2.5.137.1.1.36 ListViewXml

Type: CSOM String

Accessibility: Read/Write

Specifies the **View** (section [3.2.5.137](#)) XML that conforms to the **ViewDefinition** type as defined in [\[MS-WSSCAML\]](#) section [2.3.2.17.<122>](#)

3.2.5.137.1.1.37 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this list view.

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.

3.2.5.137.2.1.2 RenderAsHtml

Return Type: CSOM String

Returns the list view as HTML. It MUST be HTML.

Parameters: None

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
-1	System.InvalidOperationException	List view does not exist.

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
-1	System.InvalidOperationException	Type of the new list view is not allowed for the list.

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

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 as determined by the server.

Parameters:

strTitle: The title of the view to return.

Type: CSOM String

It MUST NOT be NULL.

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: CSOM array of CSOM String

Accessibility: Read/Write

Specifies the collection of field internal names for the list fields (2) 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>
```

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.

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.

3.2.5.140.2.1.4 RemoveAll

Return Type: None

Removes all the fields (2) from the collection.

Parameters: None

3.2.5.140.2.1.5 AddViewField

Return Type: None

Adds the field (2) with the specified field internal name or display name to the collection. [<123>](#)

Parameters:

strField: Specifies the field internal name or display name

Type: CSOM String

It MUST NOT be NULL.

3.2.5.140.2.1.6 MoveViewFieldTo

Return Type: None

Moves the field (2) with the specified field internal name to the specified position in the collection. [<124>](#)

Parameters:

field: Specifies the field internal name.

Type: CSOM String

It MUST NOT be NULL.

index: Specifies the new position for the field (2). The first position is 0.

Type: CSOM Int32

Its value MUST be equal to or greater than 0.

3.2.5.140.2.1.7 RemoveAllViewFields

Return Type: None

Removes all the fields (2) from the collection. [<125>](#)

Parameters: None

3.2.5.140.2.1.8 RemoveViewField

Return Type: None

Removes the field (2) with the specified field internal name or display name from the collection. [<126>](#)

Parameters:

strField: Specifies the field internal name or display 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.

3.2.5.140.2.2ObjectPath 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

3.2.5.141.1.1DefaultValue

Value: 0

Specifies that all list items and all list folders in the current list folder are returned in the list view.

3.2.5.141.1.2Recursive

Value: 1

Specifies that all list items in the list are returned in the list view.

3.2.5.141.1.3RecursiveAll

Value: 2

Specifies that all list items and all list folders in the list are returned in the list view.

3.2.5.141.1.4FilesOnly

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.

The AllowCreateDeclarativeWorkflowForCurrentUser, AllowDesignerForCurrentUser, AllowMasterPageEditingForCurrentUser, AllowRevertFromTemplateForCurrentUser, AllowSaveDeclarativeWorkflowAsTemplateForCurrentUser, AllowSavePublishDeclarativeWorkflowForCurrentUser, DesignerDownloadUrlForCurrentUser, EffectiveBasePermissions, HasUniqueRoleAssignments, SaveSiteAsTemplateEnabled, ShowUrlStructureForCurrentUser and SupportedUILanguageIds 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.

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 to a default site template.

3.2.5.143.1.1.4 AllowRssFeeds

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the site allows RSS feeds.

3.2.5.143.1.1.5 Created

Type: CSOM DateTime

Accessibility: Read Only

Specifies when the site 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.

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.

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.

3.2.5.143.1.1.11 LastItemModifiedDate

Type: CSOM DateTime

Accessibility: Read Only

Specifies when an item was last modified in the site.

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.

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.

It MUST NOT be NULL. It MUST NOT contain any of the reserved Uniform Resource Locators (URLs). Reserved URLs are implementation-specific and not defined by this protocol. It MUST NOT contain the following illegal characters: [!#\$%'+:<>?\\{|}~]|(//)|(\\.\\.)|(/_)|(/wpresources\$)|(/wpresources/)

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.

3.2.5.143.1.1.16 SyndicationEnabled

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the [\[RSS2.0\]](#) feeds are enabled on the site.

3.2.5.143.1.1.17 Title

Type: CSOM String

Accessibility: Read/Write

Specifies the title for the site.

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.

3.2.5.143.1.1.19 UIVersion

Type: CSOM Int32

Accessibility: Read/Write

Specifies which version of the user interface (UI) the site is using. This value MUST be a defined **SPValidUIVersion** value, as specified in the following table.

SPValidUIVersion	Description
3	Specifies that the site is using the SharePoint 2007 user interface (UI).
4	Specifies that 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.

3.2.5.143.1.1.21 EnableMinimalDownload

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the site will use the minimal download strategy by default. [.<127>](#)

The minimal download strategy will use a single .aspx file (start.aspx) for your pages, with the actual URL encoded in the text following the hashmark ('#'). When navigating from page to page, only the changes between two compatible pages will be downloaded. Fewer bytes will be downloaded and the page will appear more quickly.

3.2.5.143.1.1.22 Url

Type: CSOM String

Accessibility: Read Only

Specifies the URL of the site. [.<128>](#)

3.2.5.143.1.1.23 CustomMasterUrl

Type: CSOM String

Accessibility: Read/Write

Specifies the URL for a custom master page to apply to the Web site. [.<129>](#)

3.2.5.143.1.1.24 MasterUrl

Type: CSOM String

Accessibility: Read/Write

Specifies the URL for a master page to apply to the Web site. [.<130>](#)

3.2.5.143.1.1.25 AppInstanceId

Type: CSOM GUID

Accessibility: Read Only

Specifies the identifier of the **app instance** that this site represents. If this site does not represent an app instance then this MUST specify an empty GUID.

3.2.5.143.1.1.26 DocumentLibraryCalloutOfficeWebAppPreviewersDisabled

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the **app for Office** previews are disabled for the context menus in a document library.

3.2.5.143.1.1.27 Configuration

Type: CSOM Int16

Accessibility: Read Only

Specifies the identifier (ID) of the site definition that was used to create the site. If the site was created with a custom site template this specifies the identifier (ID) of the site definition from which the custom site template is derived.

3.2.5.143.1.1.28 WebTemplate

Type: CSOM String

Accessibility: Read Only

Specifies the name of the site definition that was used to create the site. If the site was created with a custom site template this specifies the name of the site definition from which the custom site template is derived.

3.2.5.143.1.1.29 SaveSiteAsTemplateEnabled

Type: CSOM Boolean

Accessibility: Read/Write

Specifies if the site can be saved as a site template.

A feature that creates content which is not compatible for a site template can set this value to false to stop users of this site from generating an invalid site template.

A feature ought to never set this value to true when it is deactivated or at any other time since another feature might have created content that is not compatible in a site template.

Setting this value to false, if it was true, will result in a site template that is not supported.

3.2.5.143.1.1.30 SupportedUILanguageIds

Type: CSOM array of CSOM Int32

Accessibility: Read Only

Specifies the language code identifiers (LCIDs) of the languages that are enabled for the site.

3.2.5.143.1.1.31 AllowCreateDeclarativeWorkflowForCurrentUser

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the current user is allowed to create declarative workflows. The value, if not disabled on the Web application, is the same as the scalar property of **Microsoft.SharePoint.Client.Site.AllowCreateDeclarativeWorkflow**.

3.2.5.143.1.1.32 AllowSaveDeclarativeWorkflowAsTemplateForCurrentUser

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the current user is allowed to save declarative workflows as a template. The value, if not disabled on the Web application, is the same as the scalar property of **Microsoft.SharePoint.Client.Site.AllowSaveDeclarativeWorkflowAsTemplate**.

3.2.5.143.1.1.33 AllowSavePublishDeclarativeWorkflowForCurrentUser

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the current user is allowed to save or publish declarative workflows. The value, if not disabled on the Web application, is the same as the scalar property of **Microsoft.SharePoint.Client.Site.AllowSavePublishDeclarativeWorkflow**.

3.2.5.143.1.1.34 DesignerDownloadUrlForCurrentUser

Type: CSOM String

Accessibility: Read Only

Specifies the URL where the current user can download a designer.

3.2.5.143.1.1.35 AlternateCssUrl

Type: CSOM String

Accessibility: Read/Write

Specifies the URL for an alternate cascading style sheet (CSS) to use in the Web site.

3.2.5.143.1.1.36 SiteLogoUrl

Type: CSOM String

Accessibility: Read/Write

Specifies the server-relative URL of the Web site logo.

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.

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 group that was created with contribute permissions at the time the site was created.

3.2.5.143.1.2.3 AssociatedOwnerGroup

Type: Microsoft.SharePoint.Client.Group

Accessibility: Read/Write

Specifies the default site group that was created with full control permissions at the time the site was created.

3.2.5.143.1.2.4 AssociatedVisitorGroup

Type: Microsoft.SharePoint.Client.Group

Accessibility: Read/Write

Specifies the default site group that was created with read permissions at the time the site 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, 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, as well as any parent sites.

It MUST NOT be NULL.

3.2.5.143.1.2.7 ContentTypes

Type: Microsoft.SharePoint.Client.ContentTypeCollection

Accessibility: Read Only

Specifies the collection of content types for the site.

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.

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.

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.

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.

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 that are contained in the site 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 on the site.

3.2.5.143.1.2.14 Navigation

Type: Microsoft.SharePoint.Client.Navigation

Accessibility: Read Only

Specifies the navigation structure on the site, 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.

3.2.5.143.1.2.17 RootFolder

Type: Microsoft.SharePoint.Client.Folder

Accessibility: Read Only

Specifies the root folder for the site.

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.

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.

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.

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.

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.

3.2.5.143.1.2.24 FirstUniqueAncestorSecurableObject

Type: Microsoft.SharePoint.Client.SecurableObject

Accessibility: Read Only

See **Microsoft.SharePoint.Client.SecurableObject.FirstUniqueAncestorSecurableObject**, as specified in section [3.2.5.118.1.2.2.<131>](#)

3.2.5.143.1.2.25 RecycleBin

Type: Microsoft.SharePoint.Client.RecycleBinItemCollection

Accessibility: Read Only

Specifies the collection of Recycle Bin items of the Recycle Bin of the site. [<132>](#)

3.2.5.143.1.2.26 WebInfos

Type: Microsoft.SharePoint.Client.WebInformationCollection

Accessibility: Read Only

Specifies the collection of all child sites for the site. [.<133>](#)

3.2.5.143.1.2.27 ThemeInfo

Type: Microsoft.SharePoint.Client.ThemeInfo

Accessibility: Read Only

Specifies the site theme associated with the site. [.<134>](#)

3.2.5.143.1.2.28 EventReceivers

Type: Microsoft.SharePoint.Client.EventReceiverDefinitionCollection

Accessibility: Read Only

Specifies the collection of event receiver definitions that are currently available on the Web site. [.<135>](#)

3.2.5.143.1.2.29 SiteUsers

Type: Microsoft.SharePoint.Client.UserCollection

Accessibility: Read Only

Specifies the collection of users in the site collection that contains the site. [.<136>](#)

3.2.5.143.1.2.30 RegionalSettings

Type: Microsoft.SharePoint.Client.RegionalSettings

Accessibility: Read Only

Specifies the locale settings of the site. [.<137>](#)

3.2.5.143.1.2.31 PushNotificationSubscribers

Type: Microsoft.SharePoint.Client.PushNotificationSubscriberCollection

Accessibility: Read Only

Specifies the collection of push notification subscribers for the site. [.<138>](#)

It MUST NOT be NULL.

3.2.5.143.1.2.32 ParentWeb

Type: Microsoft.SharePoint.Client.WebInformation

Accessibility: Read Only

Specifies the parent site of the site. [.<139>](#)

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 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 [3.2.5.118.2.1.1](#)).

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 MUST be cleared. If the value is "true", all child sites with the same security scope MUST also be cleared.

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	There are uncommitted changes on the site.

3.2.5.143.2.1.3 DeleteObject

Return Type: None

Deletes this site.

Parameters: None

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

This method is a static CSOM method.

Return Type: CSOM String

Returns the URL of the root folder for the site containing the specified URL. This is a static method.

Parameters:

pageFullUrl: Specifies the URL from which to return the site 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 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 that 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 return the name of the image file based on the specified *fileName*. The server selects the image file based on the *fileName* in an implementation-specific manner.

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
-1	System.InvalidOperationException	There are uncommitted changes on the site.

3.2.5.143.2.1.8 Update**Return Type:** None

Commits changes made to properties of this site.

Parameters: None**3.2.5.143.2.1.9 ProcessExternalNotification****Return Type:** CSOM String

Processes notifications from external system. [<140>](#) Returns status of processing. Possible values are "Success" or "SubscriptionNotRequired". Result "Success" indicates successful processing. Result "SubscriptionNotRequired" indicates that the subscription is no longer required and external system can safely delete the subscription.

Parameters:*stream*: Notification message from the external system.

Type: CSOM Stream

Exceptions:

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	Access is denied. User does not have permission to send notifications.

3.2.5.143.2.1.10 GetContextWebInformation

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.ContextWebInformationReturns an object (1) that specifies metadata about the site. [<141>](#)**Parameters:** None**3.2.5.143.2.1.11 ExecuteRemoteLOB****Return Type:** CSOM Stream

This method is used to enable message exchange between a server hosted on the internet and a server hosted on the inside of an intranet, where the protocol server acts as a relay. [<142>](#) The protocol server relays the call to the intranet server specified in the message header. The protocol does not prescribe how to handle other message headers, if any. The protocol does not prescribe any

format for inputStream. The protocol does not prescribe if the inputStream is modified before sending to the server inside the intranet or how the return value from the intranet server is handled.

Parameters:

inputStream: This parameter specifies inputStream. The protocol does not prescribe any format for inputStream.

Type: CSOM Stream

3.2.5.143.2.1.12 DoesPushNotificationSubscriberExist

Return Type: CSOM Boolean

Specifies whether the push notification subscriber exists for the current user with the given device app instance identifier. <143>

Parameters:

deviceAppInstanceId: Device application instance identifier.

Type: CSOM GUID

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	Null value passed for any of the required arguments.
-2147024891	System.UnauthorizedAccessException	Caller does not have permissions for the site.

3.2.5.143.2.1.13 UnregisterPushNotificationSubscriber

Return Type: None

Unregisters the push notification subscriber from the site. <144>

Parameters:

deviceAppInstanceId: Device app instance identifier.

Type: CSOM GUID

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	Null value passed for any of the required arguments.
-2147024891	System.UnauthorizedAccessException	Caller does not have permissions for the site (2).

3.2.5.143.2.1.14 ApplyTheme

Return Type: None

Applies the theme specified by the contents of each of the files specified in the arguments to the site.

Parameters:

colorPaletteUrl: The server-relative URL of the **color scheme** to apply to the site.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. It MUST be a URL of server-relative form.

fontSchemeUrl: The server-relative URL of the **font scheme** to apply to the site or NULL to preserve default **fonts**.

Type: CSOM String

It MUST be a URL of server-relative form.

backgroundImageUrl: The server-relative URL of the image to apply as the background image on the site or NULL to use no background image.

Type: CSOM String

It MUST be a URL of server-relative form.

shareGenerated: true to store themed files at the top-level site, false to store them in the current site.

Type: CSOM Boolean

3.2.5.143.2.1.15 GetUserEffectivePermissions

Return Type: Microsoft.SharePoint.Client.BasePermissions

Returns the user permissions for this site.

Parameters:

userName: Specifies the user login name.

Type: CSOM String

It MUST NOT be NULL.

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, returns the User object (1) corresponding to that user.

If the specified login name belongs to a valid user outside of the site, adds the user to the site and returns the User object (1) 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.

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

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.

Parameters:

typeCatalog: Specifies the type for the gallery

Type: CSOM Int32

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 [\[MS-WSSTS\]](#) section 2.7.

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.

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 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 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.

3.2.5.143.2.2.8 GetEntity

Return Type: Microsoft.BusinessData.MetadataModel.Entity

Specifies the external content type with the specified namespace and name in the context of the current site. [<145>](#) This method is used as the entry point to create, read, update and delete (CRUD) operations against an **Entity** (section [3.2.5.176](#)).

Parameters:

namespace: The namespace of the external content type

Type: CSOM String

name: The name of the external content type

Type: CSOM String

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	Entity with the given parameters cannot be found
-2147467261	System.ArgumentNullException	At least one of the parameters is null

3.2.5.143.2.2.9 GetUserById

Return Type: Microsoft.SharePoint.Client.User

Returns the user corresponding to the specified member identifier for the current site. <146>

Parameters:

userId: 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	Access is denied.

3.2.5.143.2.2.10 GetCustomListTemplates

Return Type: Microsoft.SharePoint.Client.ListTemplateCollection

Returns the collection of custom list templates for a given site. <147>

Parameters: None

3.2.5.143.2.2.11 GetSubwebsFilteredForCurrentUser

Return Type: Microsoft.SharePoint.Client.WebInformationCollection

Returns a collection of objects that contain metadata about subsites of the current site in which the current user is a member. <148>

Parameters:

nWebTemplateFilter: Specifies the site definition.

Type: CSOM Int32

nConfigurationFilter: A 16-bit integer that specifies the identifier of a configuration.

Type: CSOM Int16

3.2.5.143.2.2.12 GetAppBdcCatalog

Return Type: Microsoft.BusinessData.MetadataModel.AppBdcCatalog

Returns the **Business Data Connectivity (BDC) MetadataCatalog** for an application that gives access to the external content types defined in the BDC metadata model packaged by the application. <149> This method SHOULD be called on the **Web** (section 3.2.5.143) object that represents the site for the application and it returns the BDC MetadataCatalog deployed on the site.

Parameters: None

3.2.5.143.2.2.13 **GetAppBdcCatalogForAppInstance**

Return Type: Microsoft.BusinessData.MetadataModel.AppBdcCatalog

Returns the Business Data Connectivity (BDC) MetadataCatalog for an application that gives access to the external content types defined in the BDC metadata model packaged by the application. <150> This method SHOULD be called on the **Web** (section 3.2.5.143) object where the application is installed and it returns the BDC MetadataCatalog deployed on the site for the application.

Parameters:

appInstanceId: The identifier of the app instance.

Type: CSOM GUID

It MUST NOT be an empty GUID.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	Application with given identifier is not installed on the web or the application does not have a Web application.

3.2.5.143.2.2.14 **GetAppInstanceById**

Return Type: Microsoft.SharePoint.Client.AppInstance

Returns an application instance installed on this site. <151>

Parameters:

appInstanceId: Application instance identifier.

Type: CSOM GUID

3.2.5.143.2.2.15 **LoadAndInstallApp**

Return Type: Microsoft.SharePoint.Client.AppInstance

Uploads and installs an **app package** to this site. <152> This site MUST be enabled for remote development. This method returns a reference to the app instance.

Parameters:

appPackageStream: The stream of the app package.

Type: CSOM Stream

3.2.5.143.2.2.16 GetPushNotificationSubscriber

Return Type: Microsoft.SharePoint.Client.PushNotificationSubscriber

Specifies the push notification subscriber over the site for the specified device app instance identifier. <153>

Parameters:

deviceAppInstanceId: Device application instance identifier.

Type: CSOM GUID

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	Null value passed for any of the required arguments.
-2147024891	System.UnauthorizedAccessException	Caller does not have permissions for the site.

3.2.5.143.2.2.17 GetPushNotificationSubscribersByArgs

Return Type: Microsoft.SharePoint.Client.PushNotificationSubscriberCollection

Queries for the push notification subscribers for the site with the specified set of custom arguments. <154>

The passed value is compared against the subscribers' custom arguments in the store and exact matches are returned as a collection. **Null** or empty custom arguments return subscribers without any filtering. If no match is found, an empty collection is returned.

Parameters:

customArgs: Custom arguments.

Type: CSOM String

Exceptions:

Error Code	Error Type Name	Condition
-2147024891	System.UnauthorizedAccessException	Caller does not have permissions for the site (2).

3.2.5.143.2.2.18 GetPushNotificationSubscribersByUser

Return Type: Microsoft.SharePoint.Client.PushNotificationSubscriberCollection

Queries for the push notification subscribers for the site for the specified user. <155>

Parameters:

userName: Login name of the user.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	Null value passed for any of the required arguments.
-2147024891	System.UnauthorizedAccessException	Caller does not have permissions for the site (2).

3.2.5.143.2.2.19 RegisterPushNotificationSubscriber

Return Type: Microsoft.SharePoint.Client.PushNotificationSubscriber

Registers the push notification subscriber for the site. <156> If the registration already exists, the service token is updated with the new value.

Parameters:

deviceAppInstanceId: Device app instance identifier.

Type: CSOM GUID

serviceToken: Token provided by the notification service to the device to receive notifications.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	Null value passed for any of the required arguments.
-2147024891	System.UnauthorizedAccessException	Caller does not have permissions for the site (2).

3.2.5.143.2.2.20 GetAppInstancesByProductId

Return Type: CSOM array of Microsoft.SharePoint.Client.AppInstance

Returns a collection of app instances installed on the site for the specified application with the provided app product identifier.

Parameters:

productId: The app product identifier of the specified application.

Type: CSOM GUID

3.2.5.143.2.2.21 LoadAndInstallAppInSpecifiedLocale

Return Type: Microsoft.SharePoint.Client.AppInstance

Uploads and installs an app package on the site in a specified **locale**.<157> The site MUST be enabled for remote development. The specified locale MUST be supported by the app package. This method returns a reference to an app instance.

Parameters:

appPackageStream: The stream of app package.

Type: CSOM Stream

installationLocaleLCID: Specifies the locale in which the app package is to be installed.

Type: CSOM Int32

3.2.5.143.2.2.22 LoadApp

Return Type: Microsoft.SharePoint.Client.AppInstance

Uploads an app package and creates an app instance on a site. The site MUST be enabled for remote development. The app instance is initialized with a specified locale in which it will be installed later. The specified locale MUST be supported by the app package. This method returns a reference to an app instance.

Parameters:

appPackageStream: The stream of app package.

Type: CSOM Stream

installationLocaleLCID: Specifies the locale in which the app package is to be installed later.

Type: CSOM Int32

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 and adds it to this collection of sites.

Parameters:

parameters: Specifies the properties of the new site.

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 site that is to be created.

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.

3.2.5.145.1.1.2 Language

Type: CSOM Int32

Accessibility: Read/Write

Specifies the LCID specifying the language of the new site.

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.

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.

It MUST NOT be NULL. Its length MUST be equal to or less than 128. It MUST NOT begin with or end with "/", ".". It MUST NOT contain consecutive "/" or ".". 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 inherits 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

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 SP.WebParts.WebPartDefinition of the newly added Web Part.

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 is to 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.

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 2.2.4.2, or the .webpart format as specified in [MS-WPPS] section 2.2.3.1. 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 (1) 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.

3.2.5.147 Microsoft.SharePoint.Client.WebParts.PersonalizationScope

ShortName: SP.WebParts.PersonalizationScope

Flag: false

Specifies the personalization scope for the **LimitedWebPartManager** object (1).

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 is saved on the Web Part Page. When referring to the scope associated with a Web Parts control property, **User** scope indicates that the property can only load and store data applicable to all users when running on a page in **Shared** scope. However, when the property's control is running on a page in **User** scope, the property's per-user and all-user data will be loaded and merged. In this case, though, only per-user data will be saved when a page is running in **User** scope.

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. When referring to the scope associated with a Web Parts control property, **Shared** scope indicates that the property normally only allows loading or saving of data associated with all users.

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

3.2.5.148.1.2.1 Properties

Type: Microsoft.SharePoint.Client.PropertyValues

Accessibility: Read Only

Gets customizable properties for the Web Part as specified by **Microsoft.SharePoint.Client.PropertyValues** (section [3.2.5.101](#)).<158>

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 (1), as specified in section [3.2.5.148](#), associated with this **WebPartDefinition**. The **WebPart** object (1) contains additional properties relating to the Web Part represented by this **WebPartDefinition** object (1).

Each **WebPartDefinition** object (1) MUST have exactly one **WebPart** object (1) associated with it. There can be multiple **WebPartDefinition** objects (1) 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 (1).

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 (1).

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 (1) 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 (1) MUST have a unique value for their **Id** property.

3.2.5.150.2.2.2 GetByControlId

Return Type: Microsoft.SharePoint.Client.WebParts.WebPartDefinition

Returns the **WebPartDefinition** object (1) in the collection with a Hypertext Markup Language (HTML) **ID** attribute equal to the *controlId* parameter. <159>

Parameters:

controlId: The HTML **ID** attribute of the **WebPartDefinition**.

Type: CSOM String

All **WebPartDefinition** objects (1) in the collection MUST have a unique value for their HTML **ID** attribute.

Exceptions:

Error Code	Error Type Name	Condition
- 2146233086	System.ArgumentOutOfRangeException	There is no WebPartDefinition object (1) in the collection with a ControlId property equal to the <i>controlId</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.

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 URL 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

3.2.5.152.2.2.1 GetByName

Return Type: Microsoft.SharePoint.Client.WebTemplate

Returns the **SP.WebTemplate** (section [3.2.5.151](#)) specified by its name. <160>

Parameters:

strKey: The name of the **SP.WebTemplate** that is returned.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-2147024809	System.ArgumentException	The SP.WebTemplate specified by <i>strKey</i> does not exist.

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 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 results 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 are to 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 results in no change to its value.

3.2.5.153.1.1.4 AutoStartCreate

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether workflow instances are to 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 results 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 is allowed for this workflow association.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	Value is "true" 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 to which to log workflow history events (2) 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 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 within which **workflow tasks** are to 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 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
-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 (1). 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 (1), and adds the object (1) representing that workflow association to the collection.

Parameters:

parameters: An object (1) that specifies the parameters used to create the workflow association.

Type: Microsoft.SharePoint.Client.Workflow.WorkflowAssociationCreationInformation

It MUST NOT be NULL.

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 (1) exists in the collection or *associationId* is an empty GUID.

Parameters:

associationId: The GUID of the workflow association object (1) 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 (1) exists in the collection.

Parameters:

name: The name of the workflow association to retrieve.

Type: CSOM String

All workflow association objects (1) 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 are to 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 are to 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 (1) 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 are to 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 is to be based on a site content type workflow template and the value of **ContentType.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.

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 (1) 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 (1) with **Name** property equal to the *name* parameter, or null if no such **WorkflowTemplate** exists in the collection. All **WorkflowTemplate** objects (1) 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.

3.2.5.158 Microsoft.BusinessData.MetadataModel.Collections.EntityFieldCollection

TypeId: {53746712-30F8-4626-8BC5-B1A421452652}

ShortName: SP.BusinessData.Collections.EntityFieldCollection

Represents a read only collection of Fields (2).<161>

3.2.5.158.1 Properties

3.2.5.158.1.1 Scalar Properties

None.

3.2.5.158.1.2 ObjectPath Properties

None.

3.2.5.158.2 Methods

3.2.5.158.2.1 Scalar Methods

None.

3.2.5.158.2.2 ObjectPath Methods

None.

3.2.5.159 Microsoft.BusinessData.MetadataModel.Collections.EntityIdentifierCollection

TypeId: {0BF0D5B7-DF64-4520-A1E1-76BC7517EE24}

ShortName: SP.BusinessData.Collections.EntityIdentifierCollection

Represents a read only collection of identifiers.<162>

3.2.5.159.1 Properties

3.2.5.159.1.1 Scalar Properties

None.

3.2.5.159.1.2ObjectPath Properties

None.

3.2.5.159.2 Methods

3.2.5.159.2.1Scalar Methods

None.

3.2.5.159.2.2ObjectPath Methods

None.

3.2.5.160 Microsoft.BusinessData.MetadataModel.Collections.LobSystemInstanceCollection

TypeId: {3688D19C-D248-48CD-A46E-5F6719073953}

ShortName: SP.BusinessData.Collections.LobSystemInstanceCollection

Represents a read only collection of **LobSystemInstances**.<163>

3.2.5.160.1 Properties

3.2.5.160.1.1Scalar Properties

None.

3.2.5.160.1.2ObjectPath Properties

None.

3.2.5.160.2 Methods

3.2.5.160.2.1Scalar Methods

None.

3.2.5.160.2.2ObjectPath Methods

None.

3.2.5.161 Microsoft.BusinessData.MetadataModel.Collections.TypeDescriptorCollection

TypeId: {E33CCA95-E780-4A9E-8704-FEE069A29E02}

ShortName: SP.BusinessData.Collections.TypeDescriptorCollection

Represents a read only collection of type descriptors.<164>

3.2.5.161.1 Properties

3.2.5.161.1.1 Scalar Properties

None.

3.2.5.161.1.2 ObjectPath Properties

None.

3.2.5.161.2 Methods

3.2.5.161.2.1 Scalar Methods

None.

3.2.5.161.2.2 ObjectPath Methods

None.

3.2.5.162 Microsoft.BusinessData.MetadataModel.EntityField

TypeId: {2EA29BD5-5A5E-407C-A956-BA7BABC6DCC7}

ShortName: SP.BusinessData.EntityField

Represents a data element in a view. [<165>](#)

3.2.5.162.1 Properties

3.2.5.162.1.1 Scalar Properties

3.2.5.162.1.1.1 ContainsLocalizedDisplayName

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the **EntityField** (section [3.2.5.162](#)) contains a localized display name.

3.2.5.162.1.1.2 DefaultDisplayName

Type: CSOM String

Accessibility: Read Only

Specifies the default display name of the **EntityField** (section [3.2.5.162](#)).

3.2.5.162.1.1.3 LocalizedDisplayName

Type: CSOM String

Accessibility: Read Only

Specifies the localized display name of the **EntityField** (section [3.2.5.162](#)).

3.2.5.162.1.1.4 Name

Type: CSOM String

Accessibility: Read Only

Retrieves the name of the **EntityField** (section [3.2.5.162](#)).

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

3.2.5.162.1.2 ObjectPath Properties

None.

3.2.5.162.2 Methods

3.2.5.162.2.1 Scalar Methods

None.

3.2.5.162.2.2 ObjectPath Methods

None.

3.2.5.163 Microsoft.BusinessData.MetadataModel.EntityView

TypeId: {971264EB-8186-4B1D-9FB0-F3F9D2BDFB66}

ShortName: SP.BusinessData.EntityView

An **EntityView** represents a collection of fields (2). [<166>](#)

3.2.5.163.1 Properties

3.2.5.163.1.1 Scalar Properties

3.2.5.163.1.1.1 Name

Type: CSOM String

Accessibility: Read Only

Specifies the name of the **EntityView** (section [3.2.5.163](#)).

3.2.5.163.1.1.2 RelatedSpecificFinderName

Type: CSOM String

Accessibility: Read Only

Specifies name of the SpecificFinder method instance of this **EntityView** (section [3.2.5.163](#)).

If the view contains a set of fields (2) that are not completely addressed by any of the **Finders** in the external content type, then this property MUST return null.

3.2.5.163.1.2 ObjectPath Properties

3.2.5.163.1.2.1 Fields

Type: Microsoft.BusinessData.MetadataModel.Collections.EntityFieldCollection

Accessibility: Read Only

Specifies the collection of fields (2) in the view.

3.2.5.163.2 Methods

3.2.5.163.2.1 Scalar Methods

3.2.5.163.2.1.1 GetType

Return Type: CSOM String

Specifies the type descriptor for input field.

Parameters:

fieldDotNotation: The input field.

Type: CSOM String

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	<i>fieldDotNotation</i> is null .
-1	System.InvalidOperationException	Type descriptor with the given field does not exist.

3.2.5.163.2.1.2 GetXmlSchema

Return Type: CSOM String

Gets the XML schema of the view.

The schema returned from this method can be used to generate a user interface form to display or edit the data that corresponds to this view.

The XML namespace specified by the XML schema is implementation-specific. The XML schema MUST specify the root element that corresponds to the View. The name of the root element MUST be equal to the name of the View. The root element MUST contain exactly one **XML element** for each of the field (2) in the View. The XML element is declared based on the TypeDescriptors that correspond to field (2).

Parameters: None

3.2.5.163.2.2 ObjectPath Methods

3.2.5.163.2.2.1 GetDefaultValues

Return Type: Microsoft.BusinessData.Runtime.EntityFieldValueDictionary

Gets a **EntityFieldValueDictionary** (section [3.2.5.164](#)) that contains the default values for this view.

Parameters: None

3.2.5.163.2.2.2 GetTypeDescriptor

Return Type: Microsoft.BusinessData.MetadataModel.TypeDescriptor

Gets the **TypeDescriptor** (section [3.2.5.180](#)) object that corresponds to the given field name.

Parameters:

fieldDotNotation: The given field name.

Type: CSOM String

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	<i>fieldDotNotation</i> is null .
-1	System.InvalidOperationException	Type descriptor with the given field name does not exist.

3.2.5.164 Microsoft.BusinessData.Runtime.EntityFieldValueDictionary

TypeId: {5BC2B16A-0BEE-449A-9EF0-8A504CA2AD22}

ShortName: SP.BusinessData.Runtime.EntityFieldValueDictionary

Specifies the field (2) value dictionary for data exchange. [<167>](#) The field is specified using dot notation, which is a representation of the data elements similar to accessing data elements in C#. Each data element is accessed by providing their parent data element and the name of the data element if the containing data element is a structure, or the index of the data element, if the containing element is a collection.

3.2.5.164.1 Properties

3.2.5.164.1.1 Scalar Properties

None.

3.2.5.164.1.2 ObjectPath Properties

None.

3.2.5.164.2 Methods

3.2.5.164.2.1 Scalar Methods

3.2.5.164.2.1.1 CreateCollectionInstance

Return Type: None

Creates and initializes a new instance of the collection specified by the field name.

Parameters:

fieldDotNotation: The path to the collection.

Type: CSOM String

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

size: The size of the collection.

Type: CSOM Int32

Its value MUST be equal to or greater than 0.

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	<i>fieldDotNotation</i> is null or empty.
-1	System.InvalidOperationException	Type descriptor with the given field name does not exist.

3.2.5.164.2.1.2 CreateInstance

Return Type: None

Creates and initializes a new instance of the object specified by the given field name.

Parameters:

fieldInstanceDotNotation: The path to the instance of the object to create.

Type: CSOM String

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

fieldDotNotation: The path to the object.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	At least one of the given field name is null or empty.
-1	System.InvalidOperationException	Type descriptor with the given field name does not exist.

3.2.5.164.2.1.3 FromXml

Return Type: None

Sets the value in the field (2) value dictionary (section [3.2.5.164](#)) from the given XML.

Parameters:

xml: A string containing the XML data.

Type: CSOM String

An example of the XML format is specified in section [3.2.5.164.2.1.6](#).

It MUST NOT be empty.

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	Input XML is null or empty.

3.2.5.164.2.1.4 GetCollectionSize**Return Type:** CSOM Int32

Returns the size of the collection specified by the field name.

Parameters:*fieldDotNotation*: The path to the collection.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	<i>fieldDotNotation</i> is null or empty.
-1	System.InvalidOperationException	Type descriptor with the given dot notation doesn't exist.

3.2.5.164.2.1.5 SetFieldValue**Return Type:** None

Sets a value in the field (2) value dictionary.

Parameters:*fieldDotNotation*: The input field name.

Type: CSOM String

value: Value to be set.

Type: CSOM Object

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	<i>fieldDotNotation</i> is null or empty.
-1	System.InvalidOperationException	Type descriptor with the given field name does not exist.

3.2.5.164.2.1.6 ToXml

Return Type: CSOM String

Returns the value in the field (2) value dictionary in XML.

The XML output is implementation-specific. One such example of the XML output having four values in the EntityFieldValueDictionary is the following:

```
<GenericEntityGenericInvoker
xmlns="http://tempuri.org/XMLSchema.xsd/Microsoft.Lobi.WCFModel">
<DoubleValue>555</DoubleValue>
<FloatValue>5</FloatValue>
<IntValue>55</IntValue>
<ShortValue>105</ShortValue>
</GenericEntityGenericInvoker>
```

Parameters: None

3.2.5.164.2.2 ObjectPath Methods

None.

3.2.5.165 Microsoft.BusinessData.Runtime.EntityIdentity

TypeId: {36C08DBD-02E6-493E-99F5-DF3F18342F85}

ShortName: SP.BusinessData.Runtime.EntityIdentity

Specifies a metadata for Entity identity. [<168>](#)

3.2.5.165.1 Properties

3.2.5.165.1.1 Scalar Properties

3.2.5.165.1.1.1 IdentifierCount

Type: CSOM Int32

Accessibility: Read Only

Specifies the count of the identifiers.

3.2.5.165.1.2 ObjectPath Properties

None.

3.2.5.165.2 Methods

3.2.5.165.2.1 Scalar Methods

None.

3.2.5.165.2.2 ObjectPath Methods

3.2.5.165.2.2.1 CSOM Constructor

Initializes a new instance from one or more identifier values. These identifiers uniquely identify an entity instance.

For example, a Customer entity can have Customer First Name and Customer Last Name as identifiers.

Parameters:

identifierValues: identifier values.

Type: CSOM array of CSOM Object

3.2.5.166 Microsoft.BusinessData.Runtime.EntityInstance

TypeId: {C75B5D2D-1E0C-41E2-89D1-A3B6016AC9CE}

ShortName: SP.BusinessData.Runtime.EntityInstance

Represents instances of business objects and data associated with the object. <169> For example, customer and order information in a **back-end database server** business application.

3.2.5.166.1 Properties

3.2.5.166.1.1 Scalar Properties

None.

3.2.5.166.1.2 ObjectPath Properties

None.

3.2.5.166.2 Methods

3.2.5.166.2.1 Scalar Methods

3.2.5.166.2.1.1 CreateCollectionInstance

Return Type: None

Creates and initializes a new instance of the collection specified by the given field name.

Parameters:

fieldDotNotation: The path to the collection.

Type: CSOM String

size: The size of the collection.

Type: CSOM Int32

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	<i>fieldDotNotation</i> is null or empty.
-1	System.InvalidOperationException	Type descriptor with the given field name does not exist.

3.2.5.166.2.1.2 CreateInstance

Return Type: None

Creates and initializes a new instance of the object referred by the given field name.

Parameters:

fieldInstanceDotNotation: The path to the instance of the object to create.

Type: CSOM String

fieldDotNotation: The path to the object.

Type: CSOM String

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	At least one of the given field names is null or empty.
-1	System.InvalidOperationException	Type descriptor with the given field name does not exist.

3.2.5.166.2.1.3 DeleteObject

Return Type: None

Deletes this **EntityInstance** (section [3.2.5.166](#)).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.AccessDeniedException	User does not have permission to delete the external item.
-1	Microsoft.BusinessData.Runtime.ObjectNotFoundException	The item to delete does not exist anymore.

3.2.5.166.2.1.4 FromXml

Return Type: None

Specifies the value in **EntityInstance** dictionary from given XML.

Parameters:

xml: A string containing the XML value.

Type: CSOM String

An example of the XML format is specified in section [3.2.5.164.2.1.6](#).

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	Input XML is null or empty.

3.2.5.166.2.1.5 SetFieldValue

Return Type: None

Method to set value.

Parameters:

fieldDotNotation: The input field (2) name.

Type: CSOM String

value: Value to be set.

Type: CSOM Object

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	<i>fieldDotNotation</i> is null or empty.
-1	System.InvalidOperationException	Type descriptor with the given field name does not exist.

3.2.5.166.2.1.6 ToXml

Return Type: CSOM String

Returns methods and properties defined in **EntityInstance** (section [3.2.5.166](#)) in XML format.

An example of XML output format is specified in section [3.2.5.164.2.1.6](#)

Parameters: None

3.2.5.166.2.1.7 Update

Return Type: None

Invokes update method for this **EntityInstance** (section [3.2.5.166](#)).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.AccessDeniedException	User does not have permission to update the external item.
-1	Microsoft.BusinessData.Runtime.ObjectNotFoundException	The item to update does not exist anymore.

3.2.5.166.2.2 ObjectPath Methods

3.2.5.166.2.2.1 GetIdentity

Return Type: Microsoft.BusinessData.Runtime.EntityIdentity

Returns the identity of this **EntityInstance** (section [3.2.5.166](#)).

Parameters: None

3.2.5.167 Microsoft.SharePoint.Client.AlternateUrl

TypeId: {19E49AB8-90D1-44E1-B186-FACE114707F5}

ShortName: SP.AlternateUrl

Encapsulates a URL and the zone with which it is associated. [<170>](#)

3.2.5.167.1 Properties

3.2.5.167.1.1 Scalar Properties

3.2.5.167.1.1.1 Uri

Type: CSOM String

Accessibility: Read Only

Identical to the incoming URL, but in URI form.

3.2.5.167.1.1.2 UrlZone

Type: Microsoft.SharePoint.Client.UrlZone

Accessibility: Read Only

Specifies the zone associated with this URL.

3.2.5.167.1.2 ObjectPath Properties

None.

3.2.5.167.2 Methods

3.2.5.167.2.1 Scalar Methods

None.

3.2.5.167.2.2 ObjectPath Methods

None.

3.2.5.168 Microsoft.SharePoint.Client.Analytics.EventTypeId

ShortName: SP.Analytics.EventTypeId

Flag: false

Specifies the type of an analytics event. [<171>](#)

3.2.5.168.1 Field Values

3.2.5.168.1.1 View

Value: 1

Specifies an event associated with viewing an item.

3.2.5.168.1.2 First

Value: 1

Reserved. This value will be removed in a future iteration of the protocol.

3.2.5.168.1.3 RecommendationView

Value: 2

Specifies the event associated with displaying an item recommendation.

3.2.5.168.1.4 RecommendationClick

Value: 3

Specifies the event associated with following an item recommendation.

3.2.5.168.1.5 Last

Value: 3

Reserved. This value will be removed in a future iteration of the protocol.

3.2.5.168.1.6 None

Value: 0

Specifies an event type that is not valid.

3.2.5.169 Microsoft.SharePoint.Client.Attachment

TypeId: {ABD102DE-1731-4BE2-AE7E-3515371CC5C7}

ShortName: SP.Attachment

Specifies a list item attachment. [<172>](#)

3.2.5.169.1 Properties

3.2.5.169.1.1 Scalar Properties

3.2.5.169.1.1.1 ServerRelativeUrl

Type: CSOM String

Accessibility: Read Only

Specifies the server-relative URL of a list item attachment.

3.2.5.169.1.1.2 FileName

Type: CSOM String

Accessibility: Read Only

Specifies the file name of the list item attachment.

3.2.5.169.1.2ObjectPath Properties

None.

3.2.5.169.2 Methods

3.2.5.169.2.1Scalar Methods

3.2.5.169.2.1.1 DeleteObject

Return Type: None

Deletes this list item attachment.

Parameters: None

3.2.5.169.2.2ObjectPath Methods

None.

3.2.5.170 Microsoft.SharePoint.Client.AttachmentCollection

TypeId: {F4E86471-7DAB-4B47-B061-50A40E27140E}

ShortName: SP.AttachmentCollection

Specifies a collection of list item attachments. [<173>](#)

3.2.5.170.1 Properties

3.2.5.170.1.1Scalar Properties

None.

3.2.5.170.1.2ObjectPath Properties

None.

3.2.5.170.2 Methods

3.2.5.170.2.1Scalar Methods

None.

3.2.5.170.2.2ObjectPath Methods

3.2.5.170.2.2.1 Add

Return Type: Microsoft.SharePoint.Client.Attachment

Adds the attachment represented by the file name and stream in the specified parameter to the list item.

Parameters:

parameters: The creation information which contains file name and content stream.

Type: Microsoft.SharePoint.Client.AttachmentCreationInformation

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	The ContentStream property of <i>parameters</i> is NULL, or the FileName property of <i>parameters</i> is NULL or empty.
- 2147467261	System.ArgumentNullException	<i>parameters</i> is NULL.

3.2.5.170.2.2.2 GetByFileName

Return Type: Microsoft.SharePoint.Client.Attachment

Returns the list item attachment with the specified file name.

Parameters:

fileName: The specified file name.

Type: CSOM String

3.2.5.171 Microsoft.SharePoint.Client.AttachmentCreationInformation

TypeId: {EDF6309C-8142-4133-921E-4D6AEC35550D}

ShortName: SP.AttachmentCreationInformation

Specifies a list item attachment. [<174>](#)

3.2.5.171.1 Properties

3.2.5.171.1.1 Scalar Properties

3.2.5.171.1.1.1 ContentStream

Type: CSOM Stream

Accessibility: Read/Write

The contents of the file as a stream.

3.2.5.171.1.1.2 FileName

Type: CSOM String

Accessibility: Read/Write

Specifies the file name of the list item attachment.

3.2.5.171.1.2ObjectPath Properties

None.

3.2.5.172 Microsoft.SharePoint.Client.ServerSettings

TypeId: {ADFA7B3E-A27C-4288-9B6C-A8EA51BF082D}

ShortName: SP.ServerSettings

Provides methods for obtaining protocol server properties that correspond to different Web application zones. [<175>](#)

3.2.5.172.1 Properties

3.2.5.172.1.1Scalar Properties

None.

3.2.5.172.1.2ObjectPath Properties

None.

3.2.5.172.2 Methods

3.2.5.172.2.1Scalar Methods

3.2.5.172.2.1.1 GetBlockedFileExtensions

This method is a static CSOM method.

Return Type: CSOM array of CSOM String

Returns the blocked file extensions for the current site.

Parameters: None

3.2.5.172.2.1.2 GetGlobalInstalledLanguages

This method is a static CSOM method.

Return Type: CSOM array of Microsoft.SharePoint.Client.Language

Returns the installed server languages for the current site.

Parameters:

compatibilityLevel: Specifies the major version to request installed server languages for.

Type: CSOM Int32

3.2.5.172.2.2ObjectPath Methods

3.2.5.172.2.2.1 GetAlternateUrls

This method is a static CSOM method.

Return Type: CSOM array of Microsoft.SharePoint.Client.AlternateUrl

Returns all URLs of the current site along with the corresponding zone information.

Parameters: None

3.2.5.173 Microsoft.SharePoint.Client.WebProxy

TypeId: {656A77C4-1634-415C-BF85-C6C0CB286E0E}

ShortName: SP.WebProxy

Specifies an infrastructure for the protocol server to make outbound **Hypertext Transfer Protocol (HTTP)** requests based on parameters specified by the client. [<176>](#)

3.2.5.173.1 Properties

3.2.5.173.1.1 Scalar Properties

None.

3.2.5.173.1.2 ObjectPath Properties

None.

3.2.5.173.2 Methods

3.2.5.173.2.1 Scalar Methods

3.2.5.173.2.1.1 Invoke

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.WebResponseInfo

Specifies that the protocol server SHOULD make an outbound Hypertext Transfer Protocol (HTTP) request using the specified parameters.

Parameters:

requestInfo: A **WebRequestInfo** (section [3.2.5.174](#)) object that contains the URL, headers and body of the request.

Type: Microsoft.SharePoint.Client.WebRequestInfo

3.2.5.173.2.2 ObjectPath Methods

None.

3.2.5.174 Microsoft.SharePoint.Client.WebRequestInfo

TypeId: {71AA825D-BC12-422D-A177-D2E63FE68CD9}

ShortName: SP.WebRequestInfo

Specifies metadata about a Hypertext Transfer Protocol (HTTP) request. <177>

3.2.5.174.1 Properties

3.2.5.174.1.1 Scalar Properties

3.2.5.174.1.1.1 Body

Type: CSOM String

Accessibility: Read/Write

The content of the request, as described in [\[RFC2616\]](#) section 4.3.

3.2.5.174.1.1.2 Headers

Type: CSOM dictionary

Accessibility: Read/Write

The headers of the request, as described in [\[RFC2616\]](#) section 4.2.

3.2.5.174.1.1.3 Method

Type: CSOM String

Accessibility: Read/Write

The **HTTP method** of the request, as described in [\[RFC2616\]](#) section 5.1.1.

It MUST NOT be empty.

3.2.5.174.1.1.4 Url

Type: CSOM String

Accessibility: Read/Write

The target URL of the request.

It MUST be a URL of absolute form. Its length MUST be equal to or less than 255.

3.2.5.174.1.2 ObjectPath Properties

None.

3.2.5.175 Microsoft.SharePoint.Client.WebResponseInfo

TypeId: {73B6054A-AA40-41E4-A34F-5A6F898E6D4F}

ShortName: SP.WebResponseInfo

Specifies metadata about a Hypertext Transfer Protocol (HTTP) response. <178>

3.2.5.175.1 Properties

3.2.5.175.1.1 Scalar Properties

3.2.5.175.1.1.1 Body

Type: CSOM String

Accessibility: Read/Write

The content of the response, as described in [\[RFC2616\]](#) section 4.3.

3.2.5.175.1.1.2 Headers

Type: CSOM dictionary

Accessibility: Read/Write

The headers of the response, as described in [\[RFC2616\]](#) section 4.2.

3.2.5.175.1.1.3 StatusCode

Type: CSOM Int32

Accessibility: Read/Write

The **Status-Code** of the response, as described in [\[RFC2616\]](#) section 10.

3.2.5.175.1.2 ObjectPath Properties

None.

3.2.5.176 Microsoft.BusinessData.MetadataModel.Entity

TypeId: {493FB354-E4A4-4577-B7F4-64BB868C128E}

ShortName: SP.BusinessData.Entity

Specifies an external content type in a **line-of-business (LOB) system** application. [<179>](#)

3.2.5.176.1 Properties

3.2.5.176.1.1 Scalar Properties

3.2.5.176.1.1.1 EstimatedInstanceCount

Type: CSOM Int64

Accessibility: Read Only

Specifies the number of expected external items associated with this external content type.

Its value MUST be equal to or greater than 0.

3.2.5.176.1.1.2 Name

Type: CSOM String

Accessibility: Read Only

Specifies the name of the metadata object.

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

3.2.5.176.1.1.3 Namespace

Type: CSOM String

Accessibility: Read Only

Specifies the namespace of the given **Entity** (section [3.2.5.176](#)).

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

3.2.5.176.1.2 ObjectPath Properties

None.

3.2.5.176.2 Methods

3.2.5.176.2.1 Scalar Methods

3.2.5.176.2.1.1 GetIdentifierCount

Return Type: CSOM Int32

Specifies the number of identifiers in an external content type.

Parameters: None

3.2.5.176.2.1.2 Unsubscribe

Return Type: None

Calls to the external system indicating that the event notification is no longer required for this entity and event type.

Parameters:

subscription: The subscription registration information returned as part of the **Subscriber** stereotype call on the external content type.

Type: Microsoft.BusinessData.Runtime.Subscription

It MUST NOT be NULL.

onBehalfOfUser: The name or identifier of the user for whom unsubscribe operation is performed.

Type: CSOM String

unsubscribeName: The name of the **EventUnsubscriber** method instance.

Type: CSOM String

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

lobSystemInstance: The external system instance.

Type: Microsoft.BusinessData.MetadataModel.LobSystemInstance

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.AccessDeniedException	User does not have permissions to unsubscribe.
-2147467261	System.ArgumentNullException	At least one of the parameters is null
-2147024891	System.UnauthorizedAccessException	User does not have permissions to unsubscribe.

3.2.5.176.2.2 ObjectPath Methods

3.2.5.176.2.2.1 Create

Return Type: Microsoft.BusinessData.Runtime.EntityIdentity

Creates an external item.

Use this method to create external items in the external system by specifying the values required for creation. The values do not necessarily correspond to fields of an external item.

The method returns the **EntityIdentity** (section [3.2.5.165](#)) that corresponds to the external item that was created.

The **EntityFieldValueDictionary** (section [3.2.5.164](#)) instance provided as an input to this method is created from a **View** that corresponds to a **MethodInstance** of type **Creator**.

Parameters:

fieldValues: The parameters of the **Create** method.

Type: Microsoft.BusinessData.Runtime.EntityFieldValueDictionary

It MUST NOT be NULL.

lobSystemInstance: The line-of-business (LOB) system instance.

Type: Microsoft.BusinessData.MetadataModel.LobSystemInstance

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.AccessDeniedException	User does not have permissions to create an external item.
-1	Microsoft.BusinessData.MetadataModel.InvalidMetadataObjectException	Creator MethodInstances cannot return collections.
-1	System.InvalidOperationException	The Create method does not have a return value. A proper EntityIdentity object MUST be supplied for the Create function.

3.2.5.176.2.2.2 FindSpecific

Return Type: Microsoft.BusinessData.Runtime.EntityInstance

Retrieves the external item corresponding to the identity by calling the given SpecificFinder method.

Parameters:

identity: The given identity.

Type: Microsoft.BusinessData.Runtime.EntityIdentity

It MUST NOT be NULL.

specificFinderName: SpecificFinder method name.

Type: CSOM String

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

lobSystemInstance: The line-of-business (LOB) system instance.

Type: Microsoft.BusinessData.MetadataModel.LobSystemInstance

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.AccessDeniedException	User does not have permissions to read an external item.
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	There is no SpecificFinder method available with the given name.
-1	Microsoft.BusinessData.Runtime.ObjectNotFoundException	An external item with the given identity does not exist.

3.2.5.176.2.2.3 FindSpecificByBdcId

Return Type: Microsoft.BusinessData.Runtime.EntityInstance

Retrieves the external item corresponding to the Business Data Connectivity (BDC) identity by calling the given SpecificFinder method.

Parameters:

bdcIdentity: Unique identity string for external item

Type: CSOM String

BdcIdentity is a unique identity string generated by **Business Connectivity Services (BCS)** from the entity identifiers to uniquely identify an external item.

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

specificFinderName: Name of the SpecificFinder method.

Type: CSOM String

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

lobSystemInstance: The line-of-business (LOB) system instance

Type: Microsoft.BusinessData.MetadataModel.LobSystemInstance

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.AccessDeniedException	User does not have permissions to read an external item.
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	There is no SpecificFinder available with the given name.
-1	Microsoft.BusinessData.Runtime.ObjectNotFoundException	An external item with the given id does not exist.

3.2.5.176.2.2.4 FindSpecificDefault

Return Type: Microsoft.BusinessData.Runtime.EntityInstance

Retrieves the external item corresponding to the identity by calling the default SpecificFinder method.

Parameters:

identity: The given **EntityIdentity** (section [3.2.5.165](#)).

Type: Microsoft.BusinessData.Runtime.EntityIdentity

It MUST NOT be NULL.

lobSystemInstance: The line-of-business (LOB) system instance.

Type: Microsoft.BusinessData.MetadataModel.LobSystemInstance

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.AccessDeniedException	User does not have permissions to read an external item.
-1	Microsoft.BusinessData.Runtime.ObjectNotFoundException	An external item with the given identity does not exist.

3.2.5.176.2.2.5 FindSpecificDefaultByBdcId

Return Type: Microsoft.BusinessData.Runtime.EntityInstance

Retrieves the external item corresponding to the Business Data Connectivity (BDC) identity by calling the default SpecificFinder method.

Parameters:

bdcIdentity: The given Business Data Connectivity (BDC) identity.

Type: CSOM String

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

lobSystemInstance: The external system instance.

Type: Microsoft.BusinessData.MetadataModel.LobSystemInstance

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.AccessDeniedException	User does not have permissions to read an external item.
-1	Microsoft.BusinessData.Runtime.ObjectNotFoundException	An external item with the given identifier does not exist.

3.2.5.176.2.2.6 GetCreatorView

Return Type: Microsoft.BusinessData.MetadataModel.EntityView

Gets the View for the given Creator method instance.

Parameters:

methodName: MethodInstance name

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	View with the given MethodInstance name cannot be found.

3.2.5.176.2.2.7 GetDefaultSpecificFinderView

Return Type: Microsoft.BusinessData.MetadataModel.EntityView

Gets the View for the default SpecificFinder method.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	Default SpecificFinder cannot be found.

3.2.5.176.2.2.8 GetIdentifiers

Return Type: Microsoft.BusinessData.MetadataModel.Collections.EntityIdentifierCollection

Specifies the identifier parameters of an external content type.

Returns a read only collection of identifiers.

Parameters: None

3.2.5.176.2.2.9 GetLobSystem

Return Type: Microsoft.BusinessData.MetadataModel.LobSystem

Specifies line-of-business (LOB) system for an external content type.

Parameters: None

3.2.5.176.2.2.10 GetSpecificFinderView

Return Type: Microsoft.BusinessData.MetadataModel.EntityView

Specifies the View for the given SpecificFinder method.

Parameters:

specificFinderName: The name of the SpecificFinder.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	View with the given method name cannot be found.

3.2.5.176.2.2.11 GetUpdaterView

Return Type: Microsoft.BusinessData.MetadataModel.EntityView

Specifies the View for the given **Updater** method.

Parameters:

updaterName: Updater name.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	View with the given method name cannot be found.

3.2.5.176.2.2.12 FindAssociated

Return Type: Microsoft.BusinessData.MetadataModel.Collections.EntityInstanceCollection

Specifies the external items that are associated with a source external item using an association that is filtered by specified criteria.

Parameters:

entityInstance: Source Business Data Connectivity (BDC) external item.

Type: Microsoft.BusinessData.Runtime.EntityInstance

It MUST NOT be NULL.

associationName: The association name to use.

Type: CSOM String

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

filterList: The filters to apply.

Type: Microsoft.BusinessData.MetadataModel.Collections.FilterCollection

It MUST NOT be NULL.

lobSystemInstance: The line-of-business (LOB) system instance.

Type: Microsoft.BusinessData.MetadataModel.LobSystemInstance

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.AccessDeniedException	User does not have permissions to read an external item.
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	There is no association available with the given name.
-1	Microsoft.BusinessData.Runtime.ObjectNotFoundException	An external item with the given identifier does not exist.

3.2.5.176.2.2.13 FindFiltered

Return Type: Microsoft.BusinessData.MetadataModel.Collections.EntityInstanceCollection

Calls the given SpecificFinder method with the specified filters to retrieve a collection of items from the external Business Data Connectivity (BDC) system.

A protocol client SHOULD use a set of filters to narrow and constrain the set of items returned. Set filters using **FilterCollection** (section [3.2.5.199](#)) to filter the data returned by the external system.

Parameters:

filterList: The filters to apply.

Type: Microsoft.BusinessData.MetadataModel.Collections.FilterCollection

It MUST NOT be NULL.

nameOfFinder: The name of the SpecificFinder.

Type: CSOM String

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

lobSystemInstance: The line-of-business (LOB) system instance

Type: Microsoft.BusinessData.MetadataModel.LobSystemInstance

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.AccessDeniedException	User does not have permissions to read an external item.
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	There is no finder available with the given name.
-1	Microsoft.BusinessData.Runtime.ObjectNotFoundException	An external item with the given identifier does not

Error Code	Error Type Name	Condition
		exist.

3.2.5.176.2.2.14 GetAssociationView

Return Type: Microsoft.BusinessData.MetadataModel.EntityView

Specifies the View of the association.

Parameters:

associationName: The name of the association.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	There is no association available with the given name.

3.2.5.176.2.2.15 GetFilters

Return Type: Microsoft.BusinessData.MetadataModel.Collections.FilterCollection

Specifies the list of filters defined for a given MethodInstance name.

Parameters:

methodInstanceName: MethodInstance name.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	MethodInstance with the given name cannot be found.

3.2.5.176.2.2.16 Execute

Return Type: Microsoft.BusinessData.MetadataModel.MethodExecutionResult

Runs the given method instance against an external line-of-business (LOB) system instance with the given parameters.

Parameters:

methodName: The MethodInstance name.

Type: CSOM String

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

lobSystemInstance: The line-of-business (LOB) system instance.

Type: Microsoft.BusinessData.MetadataModel.LobSystemInstance

It MUST NOT be NULL.

inputParams: The arguments to pass to the external system. The *inputParams* array MUST have as many elements as there are parameters in the Business Data Connectivity (BDC) model for that method.

Type: CSOM array of CSOM Object

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.AccessDeniedException	User does not have permissions to read an external item.
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	There is no MethodInstance available with the given name.
-1	Microsoft.BusinessData.Runtime.ObjectNotFoundException	An external item with the given input does not exist.
-2147024809	System.ArgumentException	Set of parameters provided do not exactly match what is defined by the metadata or execution result produces a collection as per the Business Data Connectivity (BDC) model but not enumerable.

3.2.5.176.2.2.17 GetFinderView

Return Type: Microsoft.BusinessData.MetadataModel.EntityView

Specifies the View for the given finder method.

Parameters:

methodName: finder MethodInstance name.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	View with the given method name cannot be found.

3.2.5.176.2.2.18 Subscribe

Return Type: Microsoft.BusinessData.Runtime.Subscription

Subscribes the given notification endpoint with the external system to receive notifications.

Parameters:

eventType: The event type to subscribe

Type: Microsoft.BusinessData.Runtime.EntityEventType

notificationCallback: The details related to the endpoint that will receive notifications in response to this subscription request.

Type: Microsoft.BusinessData.Runtime.NotificationCallback

It MUST NOT be NULL.

onBehalfOfUser: The name or id of the user for whom subscription is made.

Type: CSOM String

subscriberName: The name of **Subscriber** method instance.

Type: CSOM String

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

lobSystemInstance: The external line-of-business (LOB) system instance.

Type: Microsoft.BusinessData.MetadataModel.LobSystemInstance

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.AccessDeniedException	User does not have permissions to create a subscription.
-2147467261	System.ArgumentNullException	At least one of the parameters is null

Error Code	Error Type Name	Condition
- 2147024891	System.UnauthorizedAccessException	User does not have permissions to create a subscription.

3.2.5.177 Microsoft.BusinessData.MetadataModel.EntityIdentifier

TypeId: {86B6671B-E6E1-4F99-AA9D-D7A3FFBD6C16}

ShortName: SP.BusinessData.EntityIdentifier

Defines the properties of an external content type type identifier. <180>

3.2.5.177.1 Properties

3.2.5.177.1.1 Scalar Properties

3.2.5.177.1.1.1 IdentifierType

Type: CSOM String

Accessibility: Read Only

Specifies the type of this **EntityIdentifier** (section [3.2.5.177](#)) as a string value.

3.2.5.177.1.1.2 Name

Type: CSOM String

Accessibility: Read Only

Specifies the name of the **EntityIdentifier** (section [3.2.5.177](#)).

3.2.5.177.1.2 ObjectPath Properties

None.

3.2.5.177.2 Methods

3.2.5.177.2.1 Scalar Methods

3.2.5.177.2.1.1 ContainsLocalizedDisplayName

Return Type: CSOM Boolean

Specifies whether this **EntityIdentifier** (section [3.2.5.177](#)) contains a localized display name.

Parameters: None

3.2.5.177.2.1.2 GetDefaultDisplayName

Return Type: CSOM String

Specifies the default display name of this **EntityIdentifier** (section [3.2.5.177](#)).

Parameters: None

3.2.5.177.2.1.3 GetLocalizedDisplayName

Return Type: CSOM String

Specifies the localized display name of this **EntityIdentifier** (section [3.2.5.177](#)).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.InvalidMetadataObjectException	Localized display name for current locale does not exist.

3.2.5.177.2.2ObjectPath Methods

None.

3.2.5.178 Microsoft.BusinessData.MetadataModel.LobSystem

TypeId: {84EFF1C0-D351-441F-A57F-F73A0785CCEC}

ShortName: SP.BusinessData.LobSystem

Represents an external line-of-business (LOB) system. [<181>](#)

3.2.5.178.1 Properties

3.2.5.178.1.1 Scalar Properties

3.2.5.178.1.1.1 Name

Type: CSOM String

Accessibility: Read Only

Specifies the name of the external **LobSystem** (section [3.2.5.178](#)).

3.2.5.178.1.2ObjectPath Properties

None.

3.2.5.178.2 Methods

3.2.5.178.2.1 Scalar Methods

None.

3.2.5.178.2.2ObjectPath Methods

3.2.5.178.2.2.1 GetLobSystemInstances

Return Type: Microsoft.BusinessData.MetadataModel.Collections.LobSystemInstanceCollection

Specifies the instances of this external **LobSystem** (section [3.2.5.178](#)).

Parameters: None

3.2.5.179 Microsoft.BusinessData.MetadataModel.LobSystemInstance

TypeId: {A59E617A-FED3-4C3F-8B2C-BB11EDBF7827}

ShortName: SP.BusinessData.LobSystemInstance

Specifies an instance of an external line-of-business (LOB) system. [<182>](#)

3.2.5.179.1 Properties

3.2.5.179.1.1 Scalar Properties

3.2.5.179.1.1.1 Name

Type: CSOM String

Accessibility: Read Only

Specifies the name of the external line-of-business (LOB) system instance.

3.2.5.179.1.2 ObjectPath Properties

None.

3.2.5.179.2 Methods

3.2.5.179.2.1 Scalar Methods

None.

3.2.5.179.2.2 ObjectPath Methods

None.

3.2.5.180 Microsoft.BusinessData.MetadataModel.TypeDescriptor

TypeId: {D981A4B4-5FBD-4C46-9101-5C5E67D4AB3B}

ShortName: SP.BusinessData.TypeDescriptor

Describes a data structure in an external system. [<183>](#) It represents the data type for a method parameter in the Business Data Connectivity (BDC) MetadataCatalog.

3.2.5.180.1 Properties

3.2.5.180.1.1 Scalar Properties

3.2.5.180.1.1.1 ContainsReadOnly

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether this **TypeDescriptor** or one of its child items represent a read-only data structure.

3.2.5.180.1.1.2 IsCollection

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the described type represents a collection data structure.

3.2.5.180.1.1.3 IsReadOnly

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether this TypeDescriptor represents a read-only data structure.

3.2.5.180.1.1.4 Name

Type: CSOM String

Accessibility: Read Only

Specifies the name of this TypeDescriptor metadata object.

3.2.5.180.1.1.5 TypeName

Type: CSOM String

Accessibility: Read Only

Specifies the name of the data type represented by this TypeDescriptor.

3.2.5.180.1.2 ObjectPath Properties

None.

3.2.5.180.2 Methods

3.2.5.180.2.1 Scalar Methods

3.2.5.180.2.1.1 ContainsLocalizedDisplayName

Return Type: CSOM Boolean

Specifies whether this TypeDescriptor contains a localized display name.

Parameters: None

3.2.5.180.2.1.2 GetDefaultDisplayName

Return Type: CSOM String

Specifies the default display name of this TypeDescriptor.

Parameters: None

3.2.5.180.2.1.3 GetLocalizedDisplayName

Return Type: CSOM String

Specifies the localized display name of this TypeDescriptor.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.InvalidMetadataObjectException	Localized display name for the current locale does not exist.

3.2.5.180.2.1.4 IsLeaf

Return Type: CSOM Boolean

Specifies whether this TypeDescriptor contains any child TypeDescriptors.

Parameters: None

3.2.5.180.2.1.5 IsRoot

Return Type: CSOM Boolean

Specifies whether this TypeDescriptor represents the root of a data structure.

Parameters: None

3.2.5.180.2.2 ObjectPath Methods

3.2.5.180.2.2.1 GetChildTypeDescriptors

Return Type: Microsoft.BusinessData.MetadataModel.Collections.TypeDescriptorCollection

Specifies the TypeDescriptors that correspond to the fields of the represented structure.

Parameters: None

3.2.5.180.2.2.2 GetParentTypeDescriptor

Return Type: Microsoft.BusinessData.MetadataModel.TypeDescriptor

Returns the TypeDescriptor that contains this TypeDescriptor.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	This TypeDescriptor represents the root of a data structure.

3.2.5.181 Microsoft.SharePoint.Client.AppCatalog

TypeId: {79CDEE9F-257E-423B-9E94-E6404659F7EA}

ShortName: SP.AppCatalog

Provides methods for retrieving installed app instances. <184> All methods in SP.AppCatalog are static.

3.2.5.181.1 Properties

3.2.5.181.1.1 Scalar Properties

None.

3.2.5.181.1.2 ObjectPath Properties

None.

3.2.5.181.2 Methods

3.2.5.181.2.1 Scalar Methods

3.2.5.181.2.1.1 IsAppSideloadEnabled

This method is a static CSOM method.

Return Type: CSOM Boolean

Returns "true" if side loading of app instances is enabled on the current site, otherwise returns "false". Side loading allows an app instance to be installed directly from a programming environment, without the need to go through a published catalog.

Parameters: None

3.2.5.181.2.2 ObjectPath Methods

3.2.5.181.2.2.1 GetAppInstances

This method is a static CSOM method.

Return Type: CSOM array of Microsoft.SharePoint.Client.AppInstance

Gets the app instances installed in a given site.

Parameters:

web: The target site.

Type: Microsoft.SharePoint.Client.Web

It MUST NOT be NULL.

3.2.5.181.2.2.2 GetDeveloperSiteAppInstancesByIds

This method is a static CSOM method.

Return Type: CSOM array of Microsoft.SharePoint.Client.AppInstance

Gets the details of the app instances on the specified site collection for the specified app instance identifiers.

Parameters:

site: The site collection for which the app instance details will be returned.

Type: Microsoft.SharePoint.Client.Site

It MUST NOT be NULL.

It MUST be a Developer Site.

appInstanceIds: An array of app instance identifiers for which app instance details have to be retrieved.

Type: CSOM array of CSOM GUID

It MUST NOT be NULL. It MUST have at most 100 elements.

3.2.5.182 Microsoft.SharePoint.Client.AppInstance

TypeId: {211A55DF-058B-4917-AC93-2B5E08B1A9FD}

ShortName: SP.AppInstance

Specifies an app instance. [<185>](#)

3.2.5.182.1 Properties

3.2.5.182.1.1 Scalar Properties

3.2.5.182.1.1.1 Id

Type: CSOM GUID

Accessibility: Read Only

Specifies the identifier of the app instance.

3.2.5.182.1.1.2 AppWebFullUrl

Type: CSOM String

Accessibility: Read Only

The absolute URL of the site created during the installation of this app instance.

3.2.5.182.1.1.3 InError

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the app instance is in an error state. An error state means that a job to has to be retried or aborted for the instance to continue its current lifecycle operation.

3.2.5.182.1.1.4 RemoteAppUrl

Type: CSOM String

Accessibility: Read Only

Specifies the base URL of the remote system deployed during the installation of this app instance.

3.2.5.182.1.1.5 SiteId

Type: CSOM GUID

Accessibility: Read Only

Specifies the identifier of the site collection that contains the site where this app instance is installed.

3.2.5.182.1.1.6 Status

Type: Microsoft.SharePoint.Client.AppInstanceStatus

Accessibility: Read Only

The status of the app instance as defined in section [3.2.5.238](#).

3.2.5.182.1.1.7 Title

Type: CSOM String

Accessibility: Read Only

Specifies the title of the app instance. The title can change with use, and SHOULD NOT be used as an identifier. Use **Id** (section [3.2.5.182.1.1.1](#)) instead.

3.2.5.182.1.1.8 WebId

Type: CSOM GUID

Accessibility: Read Only

Specifies the identifier of the site where this app instance is installed.

3.2.5.182.1.1.9 StartPage

Type: CSOM String

Accessibility: Read Only

The start page URL of the app instance.

3.2.5.182.1.1.10 AppPrincipalId

Type: CSOM String

Accessibility: Read Only

Specifies the identifier of the **app principal**.

3.2.5.182.1.1.11 SettingsPageUrl

Type: CSOM String

Accessibility: Read Only

Specifies the URL to configure the settings of this app instance.

3.2.5.182.1.2 ObjectPath Properties

None.

3.2.5.182.2 Methods

3.2.5.182.2.1 Scalar Methods

3.2.5.182.2.1.1 Uninstall

Return Type: CSOM GUID

Uninstalls the app instance.

Parameters: None

3.2.5.182.2.1.2 CancelAllJobs

Return Type: CSOM Boolean

Cancels all executing lifecycle jobs for this app instance. If there is at least one job to cancel this operation returns true.

Parameters: None

3.2.5.182.2.1.3 RetryAllJobs

Return Type: None

Restarts all existing lifecycle jobs for this app instance.

Parameters: None

3.2.5.182.2.1.4 Upgrade

Return Type: None

Uploads a new version of the app package to the site that contains this app instance and upgrades this app instance to that version. The site **MUST** be enabled for remote development.

Parameters:

appPackageStream: Stream of the app package.

Type: CSOM Stream

3.2.5.182.2.1.5 Install

Return Type: CSOM GUID

Installs the app instance.

Parameters: None

3.2.5.182.2.1.6 RetrieveAppDatabaseConnectionString

This method is a static CSOM method.

Return Type: CSOM String

Returns the database connection string if the app instance has an auto-deployed database, otherwise returns NULL.

Parameters: None

3.2.5.182.2.2 ObjectPath Methods

3.2.5.182.2.2.1 GetPreviousAppVersion

Return Type: Microsoft.SharePoint.Client.App

If the app instance was upgraded, it MUST return the version of the app package (as specified in section [3.2.5.237](#)) before upgrade. Else it MUST return NULL.

Parameters: None

3.2.5.182.2.2.2 GetErrorDetails

Return Type: CSOM array of Microsoft.SharePoint.Client.AppInstanceErrorDetails

Returns the latest lifecycle error details for this app instance as specified in section [3.2.5.256](#).

Parameters: None

3.2.5.183 Microsoft.SharePoint.Client.ChangeLogItemQuery

TypeId: {820ED5A1-95F7-493B-88FA-266E9DB920AF}

ShortName: SP.ChangeLogItemQuery

Specifies an object that is used as the input parameter of **GetListItemChangesSinceToken** (section [3.2.5.79.2.1.7](#)) method. [<186>](#)

3.2.5.183.1 Properties

3.2.5.183.1.1 Scalar Properties

3.2.5.183.1.1.1 ChangeToken

Type: CSOM String

Accessibility: Read/Write

Specifies a string that contains the change token for the request.

3.2.5.183.1.1.2 Contains

Type: CSOM String

Accessibility: Read/Write

Specifies a string representation of the XML element that defines custom filtering for the query. See [\[MS-LISTSWS\]](#) section 2.2.4.3.

3.2.5.183.1.1.3 Query

Type: CSOM String

Accessibility: Read/Write

Specifies which records from the list are to be returned and the order in which they will be returned. See section 2.2 in [\[MS-WSSCAML\]](#).

3.2.5.183.1.1.4 QueryOptions

Type: CSOM String

Accessibility: Read/Write

Specifies various options for modifying the **Query** (section [3.2.5.183.1.1.3](#)). See section 2.2.4.4 in [\[MS-LISTSWS\]](#).

3.2.5.183.1.1.5 ViewName

Type: CSOM String

Accessibility: Read/Write

Specifies the GUID for the view.

3.2.5.183.1.1.6 RowLimit

Type: CSOM String

Accessibility: Read/Write

Specifies a limit for the number of items in the query that are returned per page.

3.2.5.183.1.1.7 ViewFields

Type: CSOM String

Accessibility: Read/Write

Specifies the names of the fields (2) to be included in the query result.

3.2.5.183.1.2 ObjectPath Properties

None.

3.2.5.184 Microsoft.SharePoint.Client.FieldCreationInformation

TypeId: {46C21C03-8E93-4E5A-BF90-228366397C9A}

ShortName: SP.FieldCreationInformation

Specifies the metadata of a field (2) that is specified in [\[MS-WSSTS\]](#) section 2.1.2.9.<187>

3.2.5.184.1 Properties

3.2.5.184.1.1 Scalar Properties

3.2.5.184.1.1.1 Choices

Type: CSOM array of CSOM String

Accessibility: Read/Write

Specifies values that are available for selection in the field (2).

3.2.5.184.1.1.2 FieldTypeKind

Type: CSOM Int32

Accessibility: Read/Write

Specifies the type of the field (2).

3.2.5.184.1.1.3 IsCompactName

Type: CSOM Boolean

Accessibility: Read/Write

This value is "true" to compact the field (2) name to eight characters; otherwise, "false".

3.2.5.184.1.1.4 LookupFieldName

Type: CSOM String

Accessibility: Read/Write

Specifies the name of the field (2) in the other data source when creating a lookup field.

3.2.5.184.1.1.5 LookupListId

Type: CSOM GUID

Accessibility: Read/Write

A CSOM GUID that specifies the target list for the lookup field (2).

3.2.5.184.1.1.6 LookupWebId

Type: CSOM GUID

Accessibility: Read/Write

Specifies the identifier of the site that contains the list that is the source for the field (2) value.

3.2.5.184.1.1.7 Required

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the field (2) requires a value. If the field (2) requires a value, this value MUST be set to "true". Otherwise, it MUST be set to "false".

3.2.5.184.1.1.8 Title

Type: CSOM String

Accessibility: Read/Write

Specifies the display name of the field (2).

It MUST NOT be NULL.

3.2.5.184.1.2 ObjectPath Properties

None.

3.2.5.185 Microsoft.SharePoint.Client.FieldGeolocation

TypeId: {D5A367F2-3B74-4984-AB50-9A700883C90B}

ShortName: SP.FieldGeolocation

Specifies a field (2) that contains geographical location values. <188>

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

3.2.5.185.1 Properties

3.2.5.185.1.1 Scalar Properties

3.2.5.185.1.1.1 CanBeDeleted

Type: CSOM Boolean

Accessibility: Read Only

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

3.2.5.185.1.1.2 DefaultValue

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.DefaultValue**, as 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 is an external list.

3.2.5.185.1.1.3 Description

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.185.1.1.4 Direction

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Value is changed to a value other than "none," and the list is an external list.

3.2.5.185.1.1.5 EnforceUniqueValues**Type:** CSOM Boolean**Accessibility:** Read/Write

See **Microsoft.SharePoint.Client.Field.EnforceUniqueValues**, as specified in section [3.2.5.37.1.1.5](#).

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list has an external data source and is trying to set unique column constraints to "true".

3.2.5.185.1.1.6 FieldTypeKind**Type:** Microsoft.SharePoint.Client.FieldType**Accessibility:** Read/Write

Specifies the type of the field (2).

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

Exceptions:

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

3.2.5.185.1.1.7 Filterable**Type:** CSOM Boolean**Accessibility:** Read Only

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

3.2.5.185.1.1.8 FromBaseType

Type: CSOM Boolean

Accessibility: Read Only

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

3.2.5.185.1.1.9 Group

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.Group**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.185.1.1.10 Hidden

Type: CSOM Boolean

Accessibility: Read/Write

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

3.2.5.185.1.1.11 Id

Type: CSOM GUID

Accessibility: Read Only

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

3.2.5.185.1.1.12 InternalName

Type: CSOM String

Accessibility: Read Only

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

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

3.2.5.185.1.1.13 ReadOnlyField

Type: CSOM Boolean

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.ReadOnlyField**, as 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 is an external list.

3.2.5.185.1.1.14 Required**Type:** CSOM Boolean**Accessibility:** Read/WriteSee **Microsoft.SharePoint.Client.Field.Required**, as specified in section [3.2.5.37.1.1.14](#).**Exceptions:**

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

3.2.5.185.1.1.15 SchemaXml**Type:** CSOM String**Accessibility:** Read/WriteSee **Microsoft.SharePoint.Client.Field.SchemaXml**, as 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 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section 2.2.7.3.3.**Exceptions:**

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

3.2.5.185.1.1.16 Scope**Type:** CSOM String**Accessibility:** Read OnlySee **Microsoft.SharePoint.Client.Field.Scope**, as specified in section [3.2.5.37.1.1.16](#).**3.2.5.185.1.1.17 Sealed****Type:** CSOM Boolean

Accessibility: Read Only

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

3.2.5.185.1.1.18 Sortable

Type: CSOM Boolean

Accessibility: Read Only

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

3.2.5.185.1.1.19 StaticName

Type: CSOM String

Accessibility: Read/Write

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

Exceptions:

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

3.2.5.185.1.1.20 Title

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.185.1.1.21 TypeAsString

Type: CSOM String

Accessibility: Read/Write

See **Microsoft.SharePoint.Client.Field.TypeAsString**, as 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
-1	System.NotSupportedException	Value is changed, and the list is an external list.

3.2.5.185.1.1.22 TypeDisplayName

Type: CSOM String

Accessibility: Read Only

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

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

3.2.5.185.1.1.23 TypeShortDescription

Type: CSOM String

Accessibility: Read Only

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

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

3.2.5.185.1.1.24 ValidationFormula

Type: CSOM String

Accessibility: Read/Write

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

3.2.5.185.1.1.25 ValidationMessage

Type: CSOM String

Accessibility: Read/Write

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

Its length MUST be equal to or less than 1024.

3.2.5.185.1.1.26 JSLink

Type: CSOM String

Accessibility: Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any client rendering logic for fields of this type

3.2.5.185.1.1.27 EntityPropertyName

Type: CSOM String

Accessibility: Read Only

Gets the name of the entity property of this field (2) in the list item entity that uses this field (2).

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

3.2.5.185.1.1.28 Indexed

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field is indexed.

3.2.5.185.1.1.29 SchemaXmlWithResourceTokens

Type: CSOM String

Accessibility: Read Only

Gets the unlocalized schema XML for this field (2).

3.2.5.185.1.2 ObjectPath Properties

None.

3.2.5.185.2 Methods

3.2.5.185.2.1 Scalar Methods

3.2.5.185.2.1.1 DeleteObject

Return Type: None

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

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	CanBeDeleted is "false".

3.2.5.185.2.1.2 setShowInDisplayForm

Return Type: None

Sets the value of the **ShowInDisplayForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the display form.

Type: CSOM Boolean

3.2.5.185.2.1.3 setShowInEditForm

Return Type: None

Sets the value of the **ShowInEditForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the edit form.

Type: CSOM Boolean

3.2.5.185.2.1.4 setShowInNewForm

Return Type: None

Sets the value of the **ShowInNewForm** property for this field.

Parameters:

value: A Boolean value that indicates whether this field is shown in the new form.

Type: CSOM Boolean

3.2.5.185.2.1.5 Update

Return Type: None

Commits changed properties of the field (2).

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.185.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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

Type: CSOM Boolean

Exceptions:

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Type of the field (2) is changed for an indexed field. The field type of indexed fields cannot be changed.
- 2130246238	Microsoft.SharePoint.SPException	Field (2) is set to not be an indexed field, and EnforceUniqueValues is "true".
- 2130246236	Microsoft.SharePoint.SPException	Type of the field (2) is being changed and EnforceUniqueValues of the field (2) is "true".

3.2.5.185.2.1.7 ValidateSetValue

Return Type: None

Validates and sets the value of the field (2) for the list item based on an implementation-specific transformation of the value.

Parameters:

item: Specifies the list item to be updated with the new value.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

value: Specifies the new value for the field (2).

Type: CSOM String

3.2.5.185.2.2ObjectPath Methods

None.

3.2.5.186 Microsoft.SharePoint.Client.FieldGeolocationValue

TypeId: {97650AFF-7E7B-44BE-AC6E-D559F7F897A2}

ShortName: SP.FieldGeolocationValue

Specifies altitude, latitude, longitude and measure values for **FieldGeolocation** (section [3.2.5.185](#)).<189>

3.2.5.186.1 Properties

3.2.5.186.1.1 Scalar Properties

3.2.5.186.1.1.1 Altitude

Type: CSOM Double

Accessibility: Read/Write

Specifies the altitude value for **FieldGeolocation** (section [3.2.5.185](#)). The semantics of the altitude value are user-defined. This value will not be used in any out of the box calculations.

3.2.5.186.1.1.2 Latitude

Type: CSOM Double

Accessibility: Read/Write

Specifies the latitude value for **FieldGeolocation** (section [3.2.5.185](#)).

3.2.5.186.1.1.3 Longitude

Type: CSOM Double

Accessibility: Read/Write

Specifies the longitude value for **FieldGeolocation** (section [3.2.5.185](#)).

3.2.5.186.1.1.4 Measure

Type: CSOM Double

Accessibility: Read/Write

Specifies the measure value for **FieldGeolocation** (section [3.2.5.185](#)). The semantics of the measure value are user-defined. This value will not be used in any out of the box calculations.

3.2.5.186.1.2 ObjectPath Properties

None.

3.2.5.187 Microsoft.SharePoint.Client.Sharing.DocumentSharingManager

TypeId: {10C23C0E-CEAD-4F15-9DEB-A0F1D7507495}

ShortName: SP.Sharing.DocumentSharingManager

Specifies document sharing related methods. [<190>](#)

3.2.5.187.1 Properties

3.2.5.187.1.1 Scalar Properties

None.

3.2.5.187.1.2 ObjectPath Properties

None.

3.2.5.187.2 Methods

3.2.5.187.2.1 Scalar Methods

3.2.5.187.2.1.1 UpdateDocumentSharingInfo

This method is a static CSOM method.

Return Type: CSOM array of Microsoft.SharePoint.Client.Sharing.UserSharingResult

This method allows a caller with the 'ManagePermission' permission to update sharing information about a document to enable document sharing with a set of users. It returns an array of **UserSharingResult** (section [3.2.5.190](#)) elements where each element contains the sharing status for each user.

Parameters:

resourceAddress: A URL that points to a securable object, which can be a document, folder or the root folder of a document library.

Type: CSOM String

userRoleAssignments: An array of recipients and roles to assign to the securable object pointed to by the *resourceAddress* parameter.

Type: CSOM array of Microsoft.SharePoint.Client.Sharing.UserRoleAssignment

validateExistingPermissions: A Boolean flag indicating how to honor a requested permission for a user. If this value is "true", the protocol server will not grant the requested permission if a user already has sufficient permissions, and if this value is "false", the protocol server will grant the requested

permission whether or not a user already has the same or more permissions. This parameter is applicable only when the parameter *additiveMode* is set to true.

Type: CSOM Boolean

additiveMode: A Boolean flag indicating whether the permission setting uses the additive or strict mode. If this value is "true", the permission setting uses the additive mode, which means that the specified permission will be added to the user's current list of permissions if it is not there already, and if this value is "false", the permission setting uses the strict mode, which means that the specified permission will replace the user's current permissions.

Type: CSOM Boolean

sendServerManagedNotification: A Boolean flag to indicate whether or not to generate an email notification to each recipient in the "userRoleAssignments" array after the document update is completed successfully. If this value is "true", the protocol server will send an email notification if an email server is configured, and if the value is "false", no email notification will be sent.

Type: CSOM Boolean

customMessage: A custom message to be included in the email notification.

Type: CSOM String

includeAnonymousLinksInNotification: A Boolean flag that indicates whether or not to include anonymous access links in the email notification to each recipient in the *userRoleAssignments* array after the document update is completed successfully. If the value is "true", the protocol server will include an anonymous access link in the email notification, and if the value is "false", no link will be included.

Type: CSOM Boolean

3.2.5.187.2.1.2 IsDocumentSharingEnabled

This method is a static CSOM method.

Return Type: CSOM Boolean

Specifies whether a document sharing is enabled on a document library.

Parameters:

list: The document library in which to check if document sharing is enabled.

Type: Microsoft.SharePoint.Client.List

3.2.5.187.2.2 ObjectPath Methods

3.2.5.187.2.2.1 GetRoleDefinition

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.RoleDefinition

This method returns a role definition in the current web that is associated with a given **Role** (section [3.2.5.188](#)) value.

Parameters:

role: A **Role** value for which to obtain the associated role definition object.

Type: Microsoft.SharePoint.Client.Sharing.Role

3.2.5.188 Microsoft.SharePoint.Client.Sharing.Role

ShortName: SP.Sharing.Role

Flag: false

Specifies a set of abstract roles that a user can be assigned to share a securable object in a document library. [<191>](#)

3.2.5.188.1 Field Values

3.2.5.188.1.1 None

Value: 0

The user does not have a permission to share a securable object.

3.2.5.188.1.2 View

Value: 1

The user can only read a securable object.

3.2.5.188.1.3 Edit

Value: 2

The user can edit or read a securable object, but cannot delete it.

3.2.5.188.1.4 Owner

Value: 3

The user is an owner of a securable object and can manage permissions, and edit, read or delete the object.

3.2.5.189 Microsoft.SharePoint.Client.Sharing.UserRoleAssignment

TypeId: {74485063-E2B5-424B-950C-4B62E816E31F}

ShortName: SP.Sharing.UserRoleAssignment

Specifies a user and a **role** that is associated with the user. [<192>](#)

3.2.5.189.1 Properties

3.2.5.189.1.1 Scalar Properties

3.2.5.189.1.1.1 Role

Type: Microsoft.SharePoint.Client.Sharing.Role

Accessibility: Read/Write

Specifies a **Role** (section [3.2.5.188](#)) that is assigned to a user.

3.2.5.189.1.1.2 UserId

Type: CSOM String

Accessibility: Read/Write

Specifies the identifier of a user, which can be in the format of an email address or a login identifier.

3.2.5.189.1.2 ObjectPath Properties

None.

3.2.5.190 Microsoft.SharePoint.Client.Sharing.UserSharingResult

TypeId: {782142B7-1BB8-495F-8A60-9940982DE38E}

ShortName: SP.Sharing.UserSharingResult

Specifies a sharing result for an individual user that method **UpdateDocumentSharingInfo** (section [3.2.5.187.2.1.1](#)) returns. <193>

3.2.5.190.1 Properties

3.2.5.190.1.1 Scalar Properties

3.2.5.190.1.1.1 AllowedRoles

Type: CSOM array of Microsoft.SharePoint.Client.Sharing.Role

Accessibility: Read Only

Specifies a set of roles that can be assigned to the user.

3.2.5.190.1.1.2 CurrentRole

Type: Microsoft.SharePoint.Client.Sharing.Role

Accessibility: Read Only

Specifies the role that the user is currently assigned to.

3.2.5.190.1.1.3 IsUserKnown

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the user is known to the server. If "true", the user is known to the server; if "false", user is unknown.

3.2.5.190.1.1.4 Status

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the sharing update for the user was completed successfully. If "true", the sharing update completed successfully for the user; if "false", the sharing update failed for the user.

3.2.5.190.1.1.5 User

Type: CSOM String

Accessibility: Read Only

Specifies the identifier of a user.

3.2.5.190.1.1.6 Message

Type: CSOM String

Accessibility: Read Only

Specifies a message string that explains the reason when the **Status** (section [3.2.5.190.1.1.4](#)) property is "false".

3.2.5.190.1.2 ObjectPath Properties

None.

3.2.5.191 Microsoft.SharePoint.Client.WebInfoCreationInformation

TypeId: {5143CF01-79B3-425C-96B2-6E8B34A45D03}

ShortName: SP.WebInfoCreationInformation

Specifies metadata about site creation. [<194>](#)

3.2.5.191.1 Properties

3.2.5.191.1.1 Scalar Properties

3.2.5.191.1.1.1 Description

Type: CSOM String

Accessibility: Read/Write

Specifies the description for the site.

3.2.5.191.1.1.2 Language

Type: CSOM UInt32

Accessibility: Read/Write

Specifies the language code identifier (LCID) for the language that is used on the site.

3.2.5.191.1.1.3 Title

Type: CSOM String

Accessibility: Read/Write

Specifies the title for the site.

It MUST NOT be NULL. Its length MUST be equal to or less than 255.

3.2.5.191.1.1.4 Url

Type: CSOM String

Accessibility: Read/Write

Specifies the URL of the site.

It MUST NOT be NULL.

3.2.5.191.1.1.5 UseUniquePermissions

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the site inherits permissions from its parent.

3.2.5.191.1.1.6 WebTemplate

Type: CSOM String

Accessibility: Read/Write

Specifies the name of the site template that is used to create the site.

3.2.5.191.1.2 ObjectPath Properties

None.

3.2.5.192 Microsoft.SharePoint.Client.WebInformation

TypeId: {F847686B-8E42-401C-88E4-B5ED4261A788}

ShortName: SP.WebInformation

Specifies metadata about a site. [<195>](#)

3.2.5.192.1 Properties

3.2.5.192.1.1 Scalar Properties

3.2.5.192.1.1.1 Created

Type: CSOM DateTime

Accessibility: Read Only

Specifies when the site was created.

3.2.5.192.1.1.2 Description

Type: CSOM String

Accessibility: Read Only

Specifies the description for the site.

3.2.5.192.1.1.3 Id

Type: CSOM GUID

Accessibility: Read Only

Specifies the site identifier for the site.

3.2.5.192.1.1.4 Language

Type: CSOM UInt32

Accessibility: Read Only

Specifies the language code identifier (LCID) for the language that is used on the site.

3.2.5.192.1.1.5 LastItemModifiedDate

Type: CSOM DateTime

Accessibility: Read Only

Specifies when an item was last modified in the site.

3.2.5.192.1.1.6 Title

Type: CSOM String

Accessibility: Read Only

Specifies the title for the site.

Its length MUST be equal to or less than 255.

3.2.5.192.1.1.7 WebTemplateId

Type: CSOM Int32

Accessibility: Read Only

Specifies the identifier of the site template that was used to create the site.

3.2.5.192.1.1.8 ServerRelativeUrl

Type: CSOM String

Accessibility: Read Only

Specifies the server-relative URL of the site.

3.2.5.192.1.1.9 Configuration

Type: CSOM Int16

Accessibility: Read Only

Specifies the identifier (ID) of the site definition configuration that was used to create the site.

3.2.5.192.1.1.10 WebTemplate

Type: CSOM String

Accessibility: Read Only

Specifies the name of the site template that was used to create the site.

3.2.5.192.1.2ObjectPath Properties

None.

3.2.5.192.2 Methods

3.2.5.192.2.1Scalar Methods

None.

3.2.5.192.2.2ObjectPath Methods

None.

3.2.5.193 Microsoft.SharePoint.Client.WebInformationCollection

TypeId: {FDDC4EE9-DC2E-444E-9D02-664C255DA6F1}

ShortName: SP.WebInformationCollection

Specifies a collection of objects containing metadata about a site. <196>

3.2.5.193.1 Properties

3.2.5.193.1.1Scalar Properties

None.

3.2.5.193.1.2ObjectPath Properties

None.

3.2.5.193.2 Methods

3.2.5.193.2.1Scalar Methods

None.

3.2.5.193.2.2ObjectPath Methods

3.2.5.193.2.2.1 Add

Return Type: Microsoft.SharePoint.Client.WebInformation

Creates a new site and adds it to this collection of sites.

Parameters:

parameters: The properties for the new site.

Type: Microsoft.SharePoint.Client.WebInfoCreationInformation

It MUST NOT be NULL.

3.2.5.193.2.2.2 GetById

Return Type: Microsoft.SharePoint.Client.WebInformation

Returns an **SP.WebInformation** (section [3.2.5.192](#)) object that contains metadata about a site specified by the identifier of the site.

Parameters:

id: Specifies the identifier of site.

Type: CSOM GUID

It MUST NOT be NULL. It MUST NOT be an empty GUID.

Exceptions:

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	The SP.WebInformation specified by <i>id</i> does not exist.
- 2147024891	System.UnauthorizedAccessException	The user does not have permissions to retrieve the SP.WebInformation.

3.2.5.194 Microsoft.SharePoint.Client.XmlSchemaFieldCreationInformation

TypeId: {27B11DE3-188C-43B6-A3AC-E7123E134DB7}

ShortName: SP.XmlSchemaFieldCreationInformation

Specifies metadata about a field (2). [<197>](#)

3.2.5.194.1 Properties

3.2.5.194.1.1 Scalar Properties

3.2.5.194.1.1.1 Options

Type: Microsoft.SharePoint.Client.AddFieldOptions

Accessibility: Read/Write

Specifies the control settings that are used while adding a field (2).

3.2.5.194.1.1.2 SchemaXml

Type: CSOM String

Accessibility: Read/Write

Specifies the 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 2.2.8.3.3 or [\[MS-WSSFO3\]](#) section 2.2.7.3.3.

3.2.5.194.1.2 ObjectPath Properties

None.

3.2.5.195 Microsoft.SharePoint.Client.ListItemEntityCollection

TypeId: {FF83E272-F05F-4215-93E2-2C6DF20EC8C7}

ShortName: SP.ListItemEntityCollection

List item entity set.

3.2.5.195.1 Properties

3.2.5.195.1.1 Scalar Properties

None.

3.2.5.195.1.2 ObjectPath Properties

None.

3.2.5.195.2 Methods

3.2.5.195.2.1 Scalar Methods

None.

3.2.5.195.2.2 ObjectPath Methods

3.2.5.195.2.2.1 GetById

Return Type: Microsoft.SharePoint.Client.ListItem

Get list item by id.

Parameters:

itemId:

Type: CSOM Int32

3.2.5.196 Microsoft.SharePoint.Client.ThemeInfo

TypeId: {1E0A65DD-0C5F-4D2C-AB41-A74312709124}

ShortName: SP.ThemeInfo

Specifies a theme for a site. [<198>](#)

3.2.5.196.1 Properties

3.2.5.196.1.1 Scalar Properties

3.2.5.196.1.1.1 AccessibleDescription

Type: CSOM String

Accessibility: Read Only

Specifies the accessible description for this theme.

3.2.5.196.1.1.2 ThemeBackgroundImageUri

Type: CSOM String

Accessibility: Read Only

Specifies the URI of the background image for this theme.

3.2.5.196.1.2ObjectPath Properties

None.

3.2.5.196.2 Methods

3.2.5.196.2.1Scalar Methods

3.2.5.196.2.1.1 GetThemeFontByName

Return Type: CSOM String

Returns the name of the theme font for the specified font slot name and language code identifier (LCID). MUST return **null** if the font slot does not exist.

Parameters:

name: Name of the font slot.

Type: CSOM String

lcid: The language code identifier (LCID) for the required language.

Type: CSOM UInt32

3.2.5.196.2.1.2 GetThemeShadeByName

Return Type: CSOM String

Returns the HTML color code for the given theme color token.

Parameters:

name: The color token specifying a particular color slot in the theme.

Type: CSOM String

3.2.5.196.2.2ObjectPath Methods

None.

3.2.5.197 Microsoft.SharePoint.Client.InformationRightsManagementSettings

TypeId: {DC0556DE-B544-4702-B2DC-9886AC31B25F}

ShortName: SP.InformationRightsManagementSettings

A collection of Information Rights Management (IRM) settings for a list. [<199>](#)

3.2.5.197.1 Properties

3.2.5.197.1.1 Scalar Properties

3.2.5.197.1.1.1 AllowPrint

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether a user can print the downloaded document.

3.2.5.197.1.1.2 AllowScript

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether a user can run scripts on the downloaded document.

3.2.5.197.1.1.3 AllowWriteCopy

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether a user can write in a copy of the downloaded document.

3.2.5.197.1.1.4 DocumentAccessExpireDays

Type: CSOM Int32

Accessibility: Read/Write

Specifies the number of days after which the downloaded document will expire.

3.2.5.197.1.1.5 DocumentLibraryProtectionExpireDate

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the date on which the Information Rights Management (IRM) protection of this document library will stop.

3.2.5.197.1.1.6 EnableDocumentAccessExpire

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the downloaded document will expire.

3.2.5.197.1.1.7 EnableGroupProtection

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the permission of the downloaded document is applicable to a group.

3.2.5.197.1.1.8 EnableLicenseCacheExpire

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether a user MUST verify his or her credentials after certain intervals.

3.2.5.197.1.1.9 GroupName

Type: CSOM String

Accessibility: Read/Write

Specifies the group name (email address) that the permission is also applicable to.

3.2.5.197.1.1.10 LicenseCacheExpireDays

Type: CSOM Int32

Accessibility: Read/Write

Specifies the number of days that the Information Rights Management (IRM) license can be cached by the application to open the downloaded document. When these elapse, the application will connect to the **IRM** server to validate the license.

3.2.5.197.1.1.11 PolicyDescription

Type: CSOM String

Accessibility: Read/Write

Specifies the permission **policy** description.

3.2.5.197.1.1.12 PolicyTitle

Type: CSOM String

Accessibility: Read/Write

Specifies the permission policy title.

3.2.5.197.1.1.13 EnableDocumentBrowserPublishingView

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether publishing view is enabled in the app for Office. The default value is false.

3.2.5.197.1.1.14 DisableDocumentBrowserView

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether to block the app for Office from showing this document. The default value is false.

3.2.5.197.1.2ObjectPath Properties

None.

3.2.5.197.2 Methods

3.2.5.197.2.1 Scalar Methods

3.2.5.197.2.1.1 Reset

Return Type: None

Resets all the properties to default value.

Parameters: None

3.2.5.197.2.1.2 Update

Return Type: None

Updates the document library with changes that are made to the settings.

Parameters: None

3.2.5.197.2.2 ObjectPath Methods

None.

3.2.5.198 Microsoft.BusinessData.MetadataModel.Collections.EntityInstanceCollection

TypeId: {973B9891-3BEF-4117-9E6F-90BDD6746D03}

ShortName: SP.BusinessData.Collections.EntityInstanceCollection

Specifies a read only collection of [EntityInstances](#).<200>

3.2.5.198.1 Properties

3.2.5.198.1.1 Scalar Properties

None.

3.2.5.198.1.2 ObjectPath Properties

None.

3.2.5.198.2 Methods

3.2.5.198.2.1 Scalar Methods

None.

3.2.5.198.2.2 ObjectPath Methods

None.

3.2.5.199 Microsoft.BusinessData.MetadataModel.Collections.FilterCollection

TypeId: {508617EA-E4BD-4EC7-817C-B8335C6384A2}

ShortName: SP.BusinessData.Collections.FilterCollection

Specifies a read only collection of filters. <201>

3.2.5.199.1 Properties

3.2.5.199.1.1 Scalar Properties

None.

3.2.5.199.1.2 ObjectPath Properties

None.

3.2.5.199.2 Methods

3.2.5.199.2.1 Scalar Methods

3.2.5.199.2.1.1 SetFilterValue

Return Type: None

Sets a value for a filter in the **FilterCollection** (section [3.2.5.199](#)).

Parameters:

inputFilterName: Filter name to which the value is set.

Type: CSOM String

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

valueIndex: The index in the filter value array for the value.

Type: CSOM Int32

Its value MUST be equal to or greater than 0.

value: New value for the filter.

Type: CSOM Object

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.AccessDeniedException	User does not have permissions to modify the filter value.
-1	Microsoft.BusinessData.Runtime.ObjectNotFoundException	A filter item with the given name does not exist.
- 2147467261	System.ArgumentNullException	The <i>inputFilterName</i> is null or empty.
-	System.ArgumentOutOfRangeException	The value at index in the filter is not accessible for modification.

Error Code	Error Type Name	Condition
2146233086		This problem occurs when the index is out of range.
-1	System.InvalidOperationException	Requested filter cannot be modified. Filter modification operation attempted on a non-modifiable filter.

3.2.5.199.2.2ObjectPath Methods

None.

3.2.5.200 Microsoft.SharePoint.Client.ContextWebInformation

TypeId: {DF0C42FE-FC26-4D81-A32E-A40090D1ACB7}

ShortName: SP.ContextWebInformation

Specifies metadata about a site. [<202>](#)

3.2.5.200.1 Properties

3.2.5.200.1.1 Scalar Properties

3.2.5.200.1.1.1 FormDigestTimeoutSeconds

Type: CSOM Int32

Accessibility: Read Only

Specifies the amount of time in seconds before security validation expires.

3.2.5.200.1.1.2 FormDigestValue

Type: CSOM String

Accessibility: Read Only

Specifies a valid form digest for the site.

3.2.5.200.1.1.3 LibraryVersion

Type: CSOM String

Accessibility: Read Only

Specifies the library version.

3.2.5.200.1.1.4 SiteFullUrl

Type: CSOM String

Accessibility: Read Only

Specifies the URL of the site collection that contains the site.

3.2.5.200.1.1.5 SupportedSchemaVersions

Type: CSOM array of CSOM String

Accessibility: Read Only

Specifies the supported client-side object model (CSOM) request **schema version**.

3.2.5.200.1.1.6 WebFullUrl

Type: CSOM String

Accessibility: Read Only

Specifies the URL of the site.

3.2.5.200.1.2 ObjectPath Properties

None.

3.2.5.201 Microsoft.SharePoint.Client.EventReceiverDefinition

TypeId: {A8D3515C-1135-4FFF-95A6-4E5E5FFF4ADC}

ShortName: SP.EventReceiverDefinition

Abstract base class that defines general properties of an event receiver. [<203>](#)

3.2.5.201.1 Properties

3.2.5.201.1.1 Scalar Properties

3.2.5.201.1.1.1 EventType

Type: Microsoft.SharePoint.Client.EventReceiverType

Accessibility: Read Only

Specifies the type of event for the event receiver (section [3.2.5.205](#))

3.2.5.201.1.1.2 ReceiverAssembly

Type: CSOM String

Accessibility: Read Only

Specifies the **strong name** of the assembly that is used for the event receiver.

3.2.5.201.1.1.3 ReceiverClass

Type: CSOM String

Accessibility: Read Only

Specifies a string that represents the class that is used for receiving events.

3.2.5.201.1.1.4 ReceiverName

Type: CSOM String

Accessibility: Read Only

Specifies the name of the event receiver.

3.2.5.201.1.1.5 ReceiverUrl

Type: CSOM String

Accessibility: Read Only

Specifies the URL of a web service that is used as an event receiver.

3.2.5.201.1.1.6 SequenceNumber

Type: CSOM Int32

Accessibility: Read Only

Specifies an integer that represents the relative sequence of the event.

3.2.5.201.1.1.7 Synchronization

Type: Microsoft.SharePoint.Client.EventReceiverSynchronization

Accessibility: Read Only

Specifies the synchronization of actions of this event receiver (section [3.2.5.204](#)).

3.2.5.201.1.1.8 ReceiverId

Type: CSOM GUID

Accessibility: Read Only

Specifies the identifier of the event receiver definition.

3.2.5.201.1.2 ObjectPath Properties

None.

3.2.5.201.2 Methods

3.2.5.201.2.1 Scalar Methods

3.2.5.201.2.1.1 DeleteObject

Return Type: None

Deletes an event receiver definition.

Parameters: None

3.2.5.201.2.1.2 Update

Return Type: None

Updates the data associated with the event receiver registration.

Parameters: None

3.2.5.201.2.2 ObjectPath Methods

None.

3.2.5.202 Microsoft.SharePoint.Client.EventReceiverDefinitionCollection

TypeId: {8AEF5B03-F05E-46E9-9537-6C3AAD574B7A}

ShortName: SP.EventReceiverDefinitionCollection

Represents a collection of SPEventReceiverDefinition objects that are used to enumerate the list of registered event receivers for Windows SharePoint Services objects that can have events.

3.2.5.202.1 Properties

3.2.5.202.1.1 Scalar Properties

None.

3.2.5.202.1.2 ObjectPath Properties

None.

3.2.5.202.2 Methods

3.2.5.202.2.1 Scalar Methods

None.

3.2.5.202.2.2 ObjectPath Methods

3.2.5.202.2.2.1 Add

Return Type: Microsoft.SharePoint.Client.EventReceiverDefinition

Parameters:

eventReceiverCreationInformation:

Type: Microsoft.SharePoint.Client.EventReceiverDefinitionCreationInformation

3.2.5.202.2.2.2 GetById

Return Type: Microsoft.SharePoint.Client.EventReceiverDefinition

Parameters:

eventReceiverId:

Type: CSOM GUID

3.2.5.203 Microsoft.SharePoint.Client.EventReceiverDefinitionCreationInformation

TypeId: {2C15382F-B6E4-41F6-8616-4CBE0080A5DE}

ShortName: SP.EventReceiverDefinitionCreationInformation

Specifies event receiver creation information. [<204>](#)

3.2.5.203.1 Properties

3.2.5.203.1.1 Scalar Properties

3.2.5.203.1.1.1 EventType

Type: Microsoft.SharePoint.Client.EventReceiverType

Accessibility: Read/Write

Specifies the type of event as specified by **EventReceiverType** (section [3.2.5.205](#)).

3.2.5.203.1.1.2 ReceiverAssembly

Type: CSOM String

Accessibility: Read/Write

Specifies the strong name of the assembly that is used for receiving events.

3.2.5.203.1.1.3 ReceiverClass

Type: CSOM String

Accessibility: Read/Write

Specifies a string that represents the class that is used for receiving events.

3.2.5.203.1.1.4 ReceiverName

Type: CSOM String

Accessibility: Read/Write

Specifies the name of the event receiver.

3.2.5.203.1.1.5 ReceiverUrl

Type: CSOM String

Accessibility: Read/Write

Specifies the URL of a web service that is used for receiving events.

3.2.5.203.1.1.6 SequenceNumber

Type: CSOM Int32

Accessibility: Read/Write

Specifies an integer that represents the relative sequence of the event.

3.2.5.203.1.1.7 Synchronization

Type: Microsoft.SharePoint.Client.EventReceiverSynchronization

Accessibility: Read/Write

Specifies the execution synchronization of the event receiver.

3.2.5.203.1.2 ObjectPath Properties

None.

3.2.5.204 Microsoft.SharePoint.Client.EventReceiverSynchronization

ShortName: SP.EventReceiverSynchronization

Flag: false

Specifies the synchronization state value for the specified event receiver. [<205>](#)

3.2.5.204.1 Field Values

3.2.5.204.1.1 DefaultSynchronization

Value: 0

Specifies to run the event receiver synchronously, as specified in section [3.2.5.204.1.2](#), if it is a Before event. Specifies to run the event receiver asynchronously, as specified in section [3.2.5.204.1.3](#), if it is an After event.

3.2.5.204.1.2 Synchronous

Value: 1

Specifies that the event receiver is to run synchronously, or immediately.

3.2.5.204.1.3 Asynchronous

Value: 2

Specifies that the event receiver is to run asynchronously, or under a timer service.

3.2.5.205 Microsoft.SharePoint.Client.EventReceiverType

ShortName: SP.EventReceiverType

Flag: false

Specifies the type of event that is handled by the event receiver. [<206>](#)

3.2.5.205.1 Field Values

3.2.5.205.1.1 InvalidReceiver

Value: -1

Indicates that an invalid event receiver type has been specified.

3.2.5.205.1.2 ItemAdding

Value: 1

Specifies an event that occurs before an item is added.

3.2.5.205.1.3 ItemUpdating

Value: 2

Specifies an event that occurs before an item is updated.

3.2.5.205.1.4ItemDeleting

Value: 3

Specifies an event that occurs before an item is deleted.

3.2.5.205.1.5ItemCheckingIn

Value: 4

Specifies an event that occurs before an item is checked in.

3.2.5.205.1.6ItemCheckingOut

Value: 5

Specifies an event that occurs before an item is checked out.

3.2.5.205.1.7ItemUncheckingOut

Value: 6

Specifies an event that occurs before a checkout of an item is reversed.

3.2.5.205.1.8ItemAttachmentAdding

Value: 7

Specifies an event that occurs before an attachment is added to the item.

3.2.5.205.1.9ItemAttachmentDeleting

Value: 8

Specifies an event that occurs before an attachment is removed from the item.

3.2.5.205.1.10 ItemFileMoving

Value: 9

Specifies an event that occurs before a file is moved.

3.2.5.205.1.11 ItemVersionDeleting

Value: 11

Specifies an event that occurs before an item version is deleted.

3.2.5.205.1.12 FieldAdding

Value: 101

Specifies an event that occurs before a field (2) is added to a list.

3.2.5.205.1.13 FieldUpdating

Value: 102

Specifies an event that occurs before a field (2) is updated.

3.2.5.205.1.14 FieldDeleting

Value: 103

Specifies an event that occurs before a field (2) is deleted from a list.

3.2.5.205.1.15 ListAdding

Value: 104

Specifies an event that occurs before a list is created.

3.2.5.205.1.16 ListDeleting

Value: 105

Specifies an event that occurs before a list is deleted.

3.2.5.205.1.17 SiteDeleting

Value: 201

Specifies an event that occurs before a site collection is deleted.

3.2.5.205.1.18 WebDeleting

Value: 202

Specifies an event that occurs before a site is deleted.

3.2.5.205.1.19 WebMoving

Value: 203

Specifies an event that occurs before a site URL is changed.

3.2.5.205.1.20 WebAdding

Value: 204

Specifies an event that occurs before a new site is created.

3.2.5.205.1.21 GroupAdding

Value: 301

Specifies an event that occurs before a **security group** is added.

3.2.5.205.1.22 GroupUpdating

Value: 302

Specifies an event that occurs before a security group is updated.

3.2.5.205.1.23 GroupDeleting

Value: 303

Specifies an event that occurs before a security group is deleted.

3.2.5.205.1.24 GroupUserAdding

Value: 304

Specifies an event that occurs before a user is added to a security group.

3.2.5.205.1.25 GroupUserDeleting

Value: 305

Specifies an event that occurs before a user is deleted from a security group.

3.2.5.205.1.26 RoleDefinitionAdding

Value: 306

Specifies an event that occurs before a role definition is added.

3.2.5.205.1.27 RoleDefinitionUpdating

Value: 307

Specifies an event that occurs before a role definition is updated.

3.2.5.205.1.28 RoleDefinitionDeleting

Value: 308

Specifies an event that occurs before a role definition is deleted.

3.2.5.205.1.29 RoleAssignmentAdding

Value: 309

Specifies an event that occurs before a role assignment is added.

3.2.5.205.1.30 RoleAssignmentDeleting

Value: 310

Specifies an event that occurs before a role assignment is deleted.

3.2.5.205.1.31 InheritanceBreaking

Value: 311

Specifies an event that occurs before an inheritance is broken.

3.2.5.205.1.32 WorkflowStarting

Value: 501

Specifies an event that occurs before a workflow starts running.

3.2.5.205.1.33 ItemAdded

Value: 10001

Specifies an event that occurs after an item has been added.

3.2.5.205.1.34 ItemUpdated

Value: 10002

Specifies an event that occurs after an item has been updated.

3.2.5.205.1.35 ItemDeleted

Value: 10003

Specifies an event that occurs after an item has been deleted.

3.2.5.205.1.36 ItemCheckedIn

Value: 10004

Specifies an event that occurs after an item has been checked in.

3.2.5.205.1.37 ItemCheckedOut

Value: 10005

Specifies an event that occurs after an item has been checked out.

3.2.5.205.1.38 ItemUncheckedOut

Value: 10006

Specifies an event that occurs after a check-out for an item has been reversed.

3.2.5.205.1.39 ItemAttachmentAdded

Value: 10007

Specifies an event that occurs after an attachment has been added to an item.

3.2.5.205.1.40 ItemAttachmentDeleted

Value: 10008

Specifies an event that occurs after an attachment has been removed from an item.

3.2.5.205.1.41 ItemFileMoved

Value: 10009

Specifies an event that occurs after a file has been moved.

3.2.5.205.1.42 ItemFileConverted

Value: 10010

Specifies an event that occurs after a file has been transformed from one type to another.

3.2.5.205.1.43 ItemVersionDeleted

Value: 10011

Specifies an event that occurs after a version of an item of a file is deleted.

3.2.5.205.1.44 FieldAdded

Value: 10101

Specifies an event that occurs after a field (2) has been added.

3.2.5.205.1.45 FieldUpdated

Value: 10102

Specifies an event that occurs after a field (2) has been updated.

3.2.5.205.1.46 FieldDeleted

Value: 10103

Specifies an event that occurs after a field (2) has been deleted.

3.2.5.205.1.47 ListAdded

Value: 10104

Specifies an event that occurs after a list has been created.

3.2.5.205.1.48 ListDeleted

Value: 10105

Specifies an event that occurs after a list has been deleted.

3.2.5.205.1.49 SiteDeleted

Value: 10201

Specifies an event that occurs after a site collection has been deleted.

3.2.5.205.1.50 WebDeleted

Value: 10202

Specifies an event that occurs after a site has been deleted.

3.2.5.205.1.51 WebMoved

Value: 10203

Specifies an event that occurs after a site URL has been changed.

3.2.5.205.1.52 WebProvisioned

Value: 10204

Specifies an event that occurs after a new site has been created, but before that new site is provisioned.

3.2.5.205.1.53 GroupAdded

Value: 10301

Specifies an event that occurs after a security group has been added.

3.2.5.205.1.54 GroupUpdated

Value: 10302

Specifies an event that occurs after a security group has been updated.

3.2.5.205.1.55 GroupDeleted

Value: 10303

Specifies an event that occurs after a security group has been deleted.

3.2.5.205.1.56 GroupUserAdded

Value: 10304

Specifies an event that occurs after a user is added to a security group.

3.2.5.205.1.57 GroupUserDeleted

Value: 10305

Specifies an event that occurs after a user is deleted from a security group.

3.2.5.205.1.58 RoleDefinitionAdded

Value: 10306

Specifies an event that occurs after a role definition is added.

3.2.5.205.1.59 RoleDefinitionUpdated

Value: 10307

Specifies an event that occurs after a role definition is updated.

3.2.5.205.1.60 RoleDefinitionDeleted

Value: 10308

Specifies an event that occurs after a role definition is deleted.

3.2.5.205.1.61 RoleAssignmentAdded

Value: 10309

Specifies an event that occurs after a role assignment is added.

3.2.5.205.1.62 RoleAssignmentDeleted

Value: 10310

Specifies an event that occurs after a role assignment is deleted.

3.2.5.205.1.63 InheritanceBroken

Value: 10311

Specifies an event that occurs after an inheritance has been broken.

3.2.5.205.1.64 WorkflowStarted

Value: 10501

Specifies an event that occurs after a workflow has started running.

3.2.5.205.1.65 WorkflowPostponed

Value: 10502

Specifies an event that occurs after a workflow has been postponed.

3.2.5.205.1.66 WorkflowCompleted

Value: 10503

Specifies an event that occurs after a workflow has completed running.

3.2.5.205.1.67 EntityInstanceAdded

Value: 10601

Specifies an event that occurs after an EntityInstance has been added.

3.2.5.205.1.68 EntityInstanceUpdated

Value: 10602

Specifies an event that occurs after an EntityInstance has been updated.

3.2.5.205.1.69 EntityInstanceDeleted

Value: 10603

Specifies an event that occurs after an EntityInstance has been deleted.

3.2.5.205.1.70 AppInstalled

Value: 10701

Specifies an event that occurs after an application has been installed.

3.2.5.205.1.71 AppUpgraded

Value: 10702

Specifies an event that occurs after an application has been upgraded.

3.2.5.205.1.72 AppUninstalling

Value: 10703

Specifies an event that occurs after an application has been uninstalled.

3.2.5.205.1.73 EmailReceived

Value: 20000

Specifies an event that occurs after a list received an e-mail message.

3.2.5.205.1.74 ContextEvent

Value: 32766

Specifies an event that occurs after a list received a context event.

3.2.5.205.1.75 InheritanceResetting

Value: 312

Specifies an event that occurs before the role inheritance is restored.

3.2.5.205.1.76 InheritanceReset

Value: 10312

Specifies an event that occurs after the role inheritance is restored.

3.2.5.206 Microsoft.SharePoint.Client.RelatedItem

TypeId: {627C69F5-12E8-46BC-9052-BD5E46E155D3}

ShortName: SP.RelatedItem

Specifies the data object representation of all the information needed to display related items in a field (2) control. [<207>](#)

3.2.5.206.1 Properties

3.2.5.206.1.1 Scalar Properties

3.2.5.206.1.1.1 IconUrl

Type: CSOM String

Accessibility: Read/Write

The URL of the icon for the list item.

3.2.5.206.1.1.2 ItemId

Type: CSOM Int32

Accessibility: Read/Write

The list item identifier of the list item.

3.2.5.206.1.1.3 ListId

Type: CSOM String

Accessibility: Read/Write

The list identifier of the parent list of the list item.

If **ListId** is NULL then the parent list of the target list item is the same as the parent list of the source list item.

3.2.5.206.1.1.4 Title

Type: CSOM String

Accessibility: Read/Write

This property is first mapped to the **Title** property of underlying list item if the **Title** property is not **null**. If that fails, it is mapped it to the **Title** or **Filename** property of **ListItem.File** (section [3.2.5.87.1.2.5](#)) object if present. Finally the mapping defaults to a static title string.

3.2.5.206.1.1.5 Url

Type: CSOM String

Accessibility: Read/Write

Maps to the default display form URL for the underlying list item or file URL if **ListItem.File** (section [3.2.5.87.1.2.5](#)) object is present.

3.2.5.206.1.1.6 WebId

Type: CSOM String

Accessibility: Read/Write

The site identifier for the site which contains the parent list of the list item.

If **WebId** is NULL then the site that contains the target list item is the same as the site that contains the source list item.

3.2.5.206.1.2ObjectPath Properties

None.

3.2.5.207 Microsoft.SharePoint.Client.RelatedItemManager

TypeId: {23AF17DB-2585-4D17-82A7-AA9E3FBA099D}

ShortName: SP.RelatedItemManager

Specifies a static class that provides methods to add, delete and enumerate related items to a particular **ListItem** (section [3.2.5.87](#)).<208>

3.2.5.207.1 Properties

3.2.5.207.1.1Scalar Properties

None.

3.2.5.207.1.2ObjectPath Properties

None.

3.2.5.207.2 Methods

3.2.5.207.2.1 Scalar Methods

3.2.5.207.2.1.1 AddSingleLink

This method is a static CSOM method.

Return Type: None

Adds a unidirectional link from one list item to another.

Parameters:

SourceListName: Specifies the title or list identifier for the parent list of the source list item.

Type: CSOM String

SourceItemID: Specifies the list item identifier of the source list item.

Type: CSOM Int32

SourceWebUrl: Specifies the URL or site identifier for the site which contains the parent list of the source list item.

Type: CSOM String

If SourceWebUrl is Null the Current Web will be used.

TargetListName: Specifies the title or list identifier for the parent list of the target list item.

Type: CSOM String

TargetItemID: Specifies the list item identifier of the target list item.

Type: CSOM Int32

TargetWebUrl: Specifies the URL or site identifier for the site which contains the parent list of the target list item.

Type: CSOM String

TryAddReverseLink: Specifies whether an attempt will be made to create a link from the target list item to the source list item in addition to the link from the source item to the target item.

Type: CSOM Boolean

No error will be raised if adding the reverse link fails.

3.2.5.207.2.1.2 DeleteSingleLink

This method is a static CSOM method.

Return Type: None

Deletes a unidirectional link between source and target list items.

Parameters:

SourceListName: Specifies the title or list identifier for the parent list of the source list item.

Type: CSOM String

SourceItemID: Specifies the list item identifier of the source list item.

Type: CSOM Int32

SourceWebUrl: Specifies the URL or site identifier for the site which contains the parent list of the source list item.

Type: CSOM String

TargetListName: Specifies the title or list identifier for the parent list of the target list item.

Type: CSOM String

TargetItemID: Specifies the list item identifier of the target list item.

Type: CSOM Int32

TargetWebUrl: Specifies the URL or site identifier for the site which contains the parent list of the target list item.

Type: CSOM String

TryDeleteReverseLink: Specifies whether an attempt will be made to delete a link from the target list item to the source list item in addition to deleting the link from the source item to the target item.

Type: CSOM Boolean

No error will be raised if deleting the reverse link fails.

3.2.5.207.2.1.3 GetPageOneRelatedItems

This method is a static CSOM method.

Return Type: CSOM array of Microsoft.SharePoint.Client.RelatedItem

Returns a list of items related to the source list item. The maximum count of related items is four.

Parameters:

SourceListName: Specifies the **Title** property for the **ParentList** (section [3.2.5.87.1.2.6](#)) property of the source list item.

Type: CSOM String

SourceItemID: Specifies the **Id** (section [3.2.5.87.1.1.5](#)) property of the source list item.

Type: CSOM Int32

3.2.5.207.2.1.4 GetRelatedItems

This method is a static CSOM method.

Return Type: CSOM array of Microsoft.SharePoint.Client.RelatedItem

Returns a list of items related to the source list item. The maximum count of related items is nine.

Parameters:

SourceListName: Specifies the **Title** property for the **ParentList** (section [3.2.5.87.1.2.6](#)) property of the source list item.

Type: CSOM String

SourceItemID: Specifies the **Id** (section [3.2.5.87.1.1.5](#)) property of the source list item.

Type: CSOM Int32

3.2.5.207.2.1.5 AddSingleLinkFromUrl

This method is a static CSOM method.

Return Type: None

Adds a unidirectional link from one list item to another using a URL for the source list item.

Parameters:

SourceItemUrl: Specifies a URL for the source list item.

Type: CSOM String

TargetListName: Specifies the title or list identifier for the parent list of the target list item.

Type: CSOM String

TargetItemID: Specifies the list item identifier of the target list item.

Type: CSOM Int32

TryAddReverseLink: Specifies whether an attempt will be made to create a link from the target list item to the source list item in addition to the link from the source item to the target item.

Type: CSOM Boolean

No error will be raised if adding the reverse link fails.

3.2.5.207.2.1.6 AddSingleLinkToUrl

This method is a static CSOM method.

Return Type: None

Adds a unidirectional link from one list item to another using a URL for the target list item.

Parameters:

SourceListName: Specifies the title or list identifier for the parent list of the source list item.

Type: CSOM String

SourceItemID: Specifies the list item identifier of the source list item.

Type: CSOM Int32

TargetItemUrl: Specifies a URL pointing to the target item.

Type: CSOM String

TryAddReverseLink: Specifies whether an attempt will be made to create a link from the target list item to the source list item in addition to the link from the source item to the target item.

Type: CSOM Boolean

No error will be raised if adding the reverse link fails.

3.2.5.207.2.2 ObjectPath Methods

None.

3.2.5.208 Microsoft.SharePoint.Client.UpgradeType

ShortName: SP.UpgradeType

Flag: false

Specifies the type of site collection upgrade to conduct on a site collection. [<209>](#)

3.2.5.208.1 Field Values

3.2.5.208.1.1 BuildUpgrade

Value: 0

Specifies build-to-build (minor version) site collection upgrade.

3.2.5.208.1.2 VersionUpgrade

Value: 1

Specifies version-to-version (major version) site collection upgrade.

3.2.5.209 Microsoft.SharePoint.Client.Utilities.WikiPageCreationInformation

TypeId: {9E154AAB-8847-4CF9-8BFA-EB8C1EC47926}

ShortName: SP.Utilities.WikiPageCreationInformation

Specifies wiki page creation information. [<210>](#)

3.2.5.209.1 Properties

3.2.5.209.1.1 Scalar Properties

3.2.5.209.1.1.1 ServerRelativeUrl

Type: CSOM String

Accessibility: Read/Write

The server-relative URL of the wiki page to be created.

It MUST NOT be empty. It MUST be a URL of server-relative form.

3.2.5.209.1.1.2 WikiHtmlContent

Type: CSOM String

Accessibility: Read/Write

The HTML content of the wiki page.

3.2.5.209.1.2 ObjectPath Properties

None.

3.2.5.210 Microsoft.BusinessData.MetadataModel.AppBdcCatalog

TypeId: {8D36B2B8-5B9A-49A8-892B-5E9539FAF4E8}

ShortName: SP.BusinessData.AppBdcCatalog

Represents the Business Data Connectivity (BDC) MetadataCatalog for an application that contains external content types provisioned by the application. <211>

3.2.5.210.1 Properties

3.2.5.210.1.1 Scalar Properties

None.

3.2.5.210.1.2 ObjectPath Properties

None.

3.2.5.210.2 Methods

3.2.5.210.2.1 Scalar Methods

3.2.5.210.2.1.1 GetConnectionId

Return Type: CSOM String

Gets the identifier for the external connection being used by the given external system instance.

Parameters:

lobSystemName: The name of the external line-of-business (LOB) system under which the external system instance is defined.

Type: CSOM String

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

lobSystemInstanceName: The name of the external line-of-business (LOB) system instance.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	Either the line-of-business (LOB) system or line-of-business (LOB) system instance does not exist in the Business Data Connectivity (BDC) MetadataCatalog file.
- 2147467261	System.ArgumentNullException	At least one of the parameters is null .
- 2147024894	System.IO.FileNotFoundException	BDC MetadataCatalog file not found.

3.2.5.210.2.1.2 GetLobSystemInstanceProperty

Return Type: CSOM String

Gets the value of the specified property for the given external system instance.

Parameters:

lobSystemName: The name of the external line-of-business (LOB) system under which the external system instance is defined.

Type: CSOM String

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

lobSystemInstanceName: The name of the external line-of-business (LOB) system instance.

Type: CSOM String

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

propertyName: The name of the property whose value is retrieved.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. The allowed properties whose value can be read are **WcfEndpointAddress**, **ODataServiceUrl**, **RdbConnection Data Source** and **ODataConnectionSettingsId**. These properties are described in [\[MS-BDCMFFS\]](#) section [2.1.3.24](#).

Exceptions:

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	Either the line-of-business (LOB) system or line-of-business (LOB) system instance does not exist in the Business Data Connectivity (BDC) MetadataCatalog file..
- 2147467261	System.ArgumentNullException	At least one of the parameters is null .
-1	System.InvalidOperationException	Tried to read a property that is not in the list of properties whose value can be read.
- 2147024894	System.IO.FileNotFoundException	BDC MetadataCatalog file not found.

3.2.5.210.2.1.3 GetLobSystemProperty

Return Type: CSOM String

Gets the value of the specified property for the given external system.

Parameters:

lobSystemName: The name of the external line-of-business (LOB) system.

Type: CSOM String

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

propertyName: The name of the property whose value is retrieved.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. The allowed properties whose value can be read are **WcfMexDocumentUrl**, **ODataServiceMetadataUrl** and **RdbConnection Data Source**. **WcfMexDocumentUrl** and **ODataServiceMetadataUrl** properties are described in [\[MS-BDCMFFS\]](#) section [2.1.3.23](#).

Exceptions:

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	Line-of-business (LOB) system does not exist in the Business Data Connectivity (BDC) MetadataCatalog file.
- 2147467261	System.ArgumentNullException	At least one of the parameters is null .
-1	System.InvalidOperationException	Tried to read a property that is not in the list of properties whose value can be read.
- 2147024894	System.IO.FileNotFoundException	Business Data Connectivity (BDC) MetadataCatalog file not found.

3.2.5.210.2.1.4 GetPermissibleConnections

Return Type: CSOM array of CSOM String

Gets the list of external connections that the application has permissions to use.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPException	The list of external connections that the application has permissions to could not be retrieved.

3.2.5.210.2.1.5 SetConnectionId

Return Type: None

Sets the identifier for the external connection that will be used by the given external system instance.

Parameters:

lobSystemName: The name of the external line-of-business (LOB) system under which the external system instance is defined.

Type: CSOM String

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

lobSystemInstanceName: The name of the external line-of-business (LOB) system instance.

Type: CSOM String

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

connectionId: Identifier for the external connection.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPException	The list of external connections could not be retrieved.
-2147024809	System.ArgumentException	Either the line-of-business (LOB) system or line-of-business (LOB) system instance does not exist in the Business Data Connectivity (BDC) MetadataCatalog file
-2147467261	System.ArgumentNullException	At least one of the parameters is null .
-2147024894	System.IO.FileNotFoundException	BDC MetadataCatalog file not found.

3.2.5.210.2.1.6 SetLobSystemInstanceProperty

Return Type: None

Sets the value of the specified property for the given external system instance.

Parameters:

lobSystemName: The name of the external line-of-business (LOB) system under which the external system instance is defined.

Type: CSOM String

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

lobSystemInstanceName: The name of the external line-of-business (LOB) system instance.

Type: CSOM String

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

propertyName: The name of the property whose value needs to be set.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. The allowed properties whose value can be set are **WcfEndpointAddress, ODataServiceUrl, RdbConnection Data Source** and **ODataConnectionSettingsId**.

propertyValue: New value for the property.

Type: CSOM String

Exceptions:

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	Either the line-of-business (LOB) system or line-of-business (LOB) system instance does not exist in the Business Data Connectivity (BDC) MetadataCatalog file.
- 2147467261	System.ArgumentNullException	At least one of the parameters is null .
-1	System.InvalidOperationException	Tried to set a property that is not in the list of properties whose value can be set.
- 2147024894	System.IO.FileNotFoundException	BDC MetadataCatalog file not found.

3.2.5.210.2.1.7 SetLobSystemProperty

Return Type: None

Sets the value of the specified property for the given external system.

Parameters:

lobSystemName: The name of the external line-of-business (LOB) system.

Type: CSOM String

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

propertyName: The name of the property whose value needs to be set.

Type: CSOM String

It MUST NOT be NULL. It MUST NOT be empty. The allowed properties whose value can be set are **WcfMexDocumentUrl**, **DataServiceMetadataUrl** and **RdbConnection Data Source**.

propertyValue: New value for the property.

Type: CSOM String

Exceptions:

Error Code	Error Type Name	Condition
- 2147024809	System.ArgumentException	LOB system does not exist in the Business Data Connectivity (BDC) MetadataCatalog file.
- 2147467261	System.ArgumentNullException	At least one of the parameters is null .
-1	System.InvalidOperationException	Tried to set a property which is not in the list of properties whose value can be set.
- 2147024894	System.IO.FileNotFoundException	Business Data Connectivity (BDC) MetadataCatalog file not found.

3.2.5.210.2.2ObjectPath Methods

3.2.5.210.2.2.1 GetEntity

Return Type: Microsoft.BusinessData.MetadataModel.Entity

Gets the external content type with the given name and namespace.

Parameters:

namespace: The namespace of the external content type. Namespaces are case sensitive.

Type: CSOM String

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

name: The name of the external content type. Names are case sensitive.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.MetadataModel.MetadataObjectNotFoundException	Entity with the given parameters cannot be found.
-2147467261	System.ArgumentNullException	At least one of the parameters is null .
-2147024894	System.IO.FileNotFoundException	Business Data Connectivity (BDC) MetadataCatalog file not found.

3.2.5.211 Microsoft.SharePoint.Client.SiteHealth.SiteHealthSummary

TypeId: {9B6A775C-EE99-4DF4-B251-3E004216D5B0}

ShortName: SP.SiteHealth.SiteHealthSummary

Specifies a summary of the results of running a set of site collection health rules. [<212>](#)

3.2.5.211.1 Properties

3.2.5.211.1.1 Scalar Properties

3.2.5.211.1.1.1 FailedErrorCount

Type: CSOM Int32

Accessibility: Read Only

Specifies the number of site collection health rules that failed with an error.

3.2.5.211.1.1.2 FailedWarningCount

Type: CSOM Int32

Accessibility: Read Only

Specifies the number of site collection health rules that failed with a warning.

3.2.5.211.1.1.3 PassedCount

Type: CSOM Int32

Accessibility: Read Only

Specifies the number of site collection health rules that passed.

3.2.5.211.1.1.4 Results

Type: CSOM array of Microsoft.SharePoint.Client.SiteHealth.SiteHealthResult

Accessibility: Read Only

Specifies a list of site collection health rule results, one for each site collection health rule that was run.

3.2.5.211.1.2 ObjectPath Properties

None.

3.2.5.211.2 Methods

3.2.5.211.2.1 Scalar Methods

None.

3.2.5.211.2.2 ObjectPath Methods

None.

3.2.5.212 Microsoft.SharePoint.Client.Utilities.EmailProperties

TypeId: {FAB1608D-FDFB-4C8C-BB0A-9B9CC3618A15}

ShortName: SP.Utilities.EmailProperties

Specifies the definition of the email to send which includes both the message fields and body. [<213>](#)

3.2.5.212.1 Properties

3.2.5.212.1.1 Scalar Properties

3.2.5.212.1.1.1 AdditionalHeaders

Type: CSOM dictionary

Accessibility: Read/Write

Specifies the email headers collection that corresponds to any additional fields of the message.

3.2.5.212.1.1.2 BCC

Type: CSOM array of CSOM String

Accessibility: Read/Write

Specifies the **blind carbon copy (bcc) recipients** of the email.

3.2.5.212.1.1.3 Body

Type: CSOM String

Accessibility: Read/Write

Specifies the **message body** to send.

3.2.5.212.1.1.4 CC

Type: CSOM array of CSOM String

Accessibility: Read/Write

Specifies the **carbon copy (cc) recipients** of the email.

3.2.5.212.1.1.5 From

Type: CSOM String

Accessibility: Read/Write

Specifies the From field of the email.

3.2.5.212.1.1.6 Subject

Type: CSOM String

Accessibility: Read/Write

Specifies the Subject field of the e-mail.

3.2.5.212.1.1.7 To

Type: CSOM array of CSOM String

Accessibility: Read/Write

Specifies the To field of the email.

3.2.5.212.1.2 ObjectPath Properties

None.

3.2.5.213 Microsoft.BusinessData.MetadataModel.Filter

TypeId: {EA36AF83-3D6A-4AE3-9EB1-4ED8E85EB176}

ShortName: SP.BusinessData.Filter

Specifies filters that are used to filter the data returned by the external line-of-business (LOB) system. [<214>](#)

Filters are the mechanism to pass parameters to the external LOB system methods.

3.2.5.213.1 Properties

3.2.5.213.1.1 Scalar Properties

3.2.5.213.1.1.1 DefaultDisplayName

Type: CSOM String

Accessibility: Read Only

Specifies the default display name of the filter.

3.2.5.213.1.1.2 FilterField

Type: CSOM String

Accessibility: Read Only

Specifies the field (3) in the View that is affected by the result of this filter, described by dot notation path, which is a representation of the data elements similar to accessing data elements in C#. Each data element is accessed by providing their parent data element and the name of the data element if the containing data element is a structure, or the index of the data element, if the containing element is a collection.

3.2.5.213.1.1.3 FilterType

Type: CSOM String

Accessibility: Read Only

Specifies the type of the filter.

Valid Filter Types are "Comparison", "LastId", "Limit", "PageNumber", "Password", "SsoTicket", "Timestamp", "UserContext", "Username", "UserProfile", "Wildcard", "Input", "Output", "InputOutput", "Batching", "BatchingTermination", "UserCulture", "ActivityId" and "Sorting".

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

3.2.5.213.1.1.4 LocalizedDisplayName

Type: CSOM String

Accessibility: Read Only

Specifies the localized display name of the field (3) if available.

3.2.5.213.1.1.5 Name

Type: CSOM String

Accessibility: Read Only

Specifies the name of the filter.

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

3.2.5.213.1.1.6 ValueCount

Type: CSOM Int32

Accessibility: Read Only

Specifies the number of values for this filter.

Its value MUST be equal to or greater than 0.

3.2.5.213.1.2ObjectPath Properties

None.

3.2.5.213.2 Methods

3.2.5.213.2.1Scalar Methods

None.

3.2.5.213.2.2ObjectPath Methods

None.

3.2.5.214 Microsoft.BusinessData.MetadataModel.MethodExecutionResult

TypeId: {EA36AF83-3D6A-4AE3-9EB1-4ED8E85EB179}

ShortName: SP.BusinessData.MethodExecutionResult

Represents generic invoker method result. [<215>](#)

3.2.5.214.1 Properties

3.2.5.214.1.1Scalar Properties

None.

3.2.5.214.1.2ObjectPath Properties

3.2.5.214.1.2.1 ReturnParameterCollection

Type: Microsoft.BusinessData.MetadataModel.ReturnParameterCollection

Accessibility: Read Only

Specifies the **ReturnParameterCollection** (section [3.2.5.215](#)) for the **MethodExecutionResult** (section [3.2.5.214](#)).

3.2.5.214.2 Methods

3.2.5.214.2.1Scalar Methods

None.

3.2.5.214.2.2ObjectPath Methods

None.

3.2.5.215 Microsoft.BusinessData.MetadataModel.ReturnParameterCollection

TypeId: {48264C2B-6775-458B-88DE-0C2A11938A03}

ShortName: SP.BusinessData.ReturnParameterCollection

Represents a read only collection of **EntityFieldValueDictionary** (section [3.2.5.164](#)) objects. [<216>](#)

3.2.5.215.1 Properties

3.2.5.215.1.1 Scalar Properties

None.

3.2.5.215.1.2 ObjectPath Properties

None.

3.2.5.215.2 Methods

3.2.5.215.2.1 Scalar Methods

None.

3.2.5.215.2.2 ObjectPath Methods

None.

3.2.5.216 Microsoft.SharePoint.Client.SiteHealth.SiteHealthResult

TypeId: {3BA0823B-9B49-433B-A8A6-65A5139F06EC}

ShortName: SP.SiteHealth.SiteHealthResult

Specifies the result of running a site collection health rule. [<217>](#)

3.2.5.216.1 Properties

3.2.5.216.1.1 Scalar Properties

3.2.5.216.1.1.1 Status

Type: Microsoft.SharePoint.Client.SiteHealth.SiteHealthStatusType

Accessibility: Read/Write

Specifies the success or failure mode returned by a site collection health rule.

3.2.5.216.1.1.2 TimeStamp

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the date and time when the site collection health rule was run.

3.2.5.216.1.1.3 MessageAsText

Type: CSOM String

Accessibility: Read Only

Specifies a summary of the results of running a site collection health rule.

3.2.5.216.1.1.4 RuleHelpLink

Type: CSOM String

Accessibility: Read Only

Specifies a hyperlink to help information about the site collection health rule.

3.2.5.216.1.1.5 RuleId

Type: CSOM GUID

Accessibility: Read Only

Specifies the unique identifier of the site collection health rule.

3.2.5.216.1.1.6 RuleIsRepairable

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the site collection health rule is capable of attempting a repair of the issues found by the rule.

3.2.5.216.1.1.7 RuleName

Type: CSOM String

Accessibility: Read Only

Specifies the name of the site collection health rule.

3.2.5.216.1.2 ObjectPath Properties

None.

3.2.5.217 Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.ClientPeoplePickerQueryParameters

TypeId: {AC9358C6-E9B1-4514-BF6E-106ACBFB19CE}

ShortName: SP.UI.ApplicationPages.ClientPeoplePickerQueryParameters

Specifies the properties of a principal query. [<218>](#)

3.2.5.217.1 Properties

3.2.5.217.1.1 Scalar Properties

3.2.5.217.1.1.1 AllowEmailAddresses

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the principal query can return a resolved principal matching an unverified e-mail address when unable to resolve to a known principal.

3.2.5.217.1.1.2 AllowMultipleEntities

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the principal query allows multiple values.

3.2.5.217.1.1.3 AllUrlZones

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the principal query will search all locations in the topology of the farm.

3.2.5.217.1.1.4 EnabledClaimProviders

Type: CSOM String

Accessibility: Read/Write

Specifies the **claims providers** to be used in the principal query.

3.2.5.217.1.1.5 MaximumEntitySuggestions

Type: CSOM Int32

Accessibility: Read/Write

Specifies the maximum number of principals to be returned by the principal query.

3.2.5.217.1.1.6 PrincipalSource

Type: Microsoft.SharePoint.Client.Utilities.PrincipalSource

Accessibility: Read/Write

Specifies the source to be used in the principal query.

3.2.5.217.1.1.7 PrincipalType

Type: Microsoft.SharePoint.Client.Utilities.PrincipalType

Accessibility: Read/Write

Specifies the type to be used in the principal query.

3.2.5.217.1.1.8 QueryString

Type: CSOM String

Accessibility: Read/Write

Specifies the value to be used in the principal query.

3.2.5.217.1.1.9 Required

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the principal query is required to return a result.

3.2.5.217.1.1.10 SharePointGroupID

Type: CSOM Int32

Accessibility: Read/Write

Specifies a group containing allowed principals to be used in the principal query.

3.2.5.217.1.1.11 UrlZone

Type: Microsoft.SharePoint.Client.UrlZone

Accessibility: Read/Write

Specifies a location in the topology of the farm for the principal query.

3.2.5.217.1.1.12 UrlZoneSpecified

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether any locations in the topology of the farm have been specified for the principal query.

3.2.5.217.1.1.13 WebApplicationID

Type: CSOM GUID

Accessibility: Read/Write

Specifies the identifier of the Web application to be used in the principal query.

3.2.5.217.1.1.14 ForceClaims

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the principal query SHOULD be handled by claims providers.

3.2.5.217.1.2 ObjectPath Properties

3.2.5.217.1.2.1 Web

Type: Microsoft.SharePoint.Client.Web

Accessibility: Read/Write

Specifies the site to be used in the principal query.

3.2.5.218 Microsoft.SharePoint.Client.DateTimeFieldFriendlyFormatType

ShortName: SP.DateTimeFieldFriendlyFormatType

Flag: false

Specifies a friendly format to use in displaying date and time fields (2).<219>

3.2.5.218.1 Field Values

3.2.5.218.1.1 Unspecified

Value: 0

Undefined. The default rendering will be used.

3.2.5.218.1.2 Disabled

Value: 1

The standard absolute representation will be used (for example, "2011-01-15 3:00 PM").

3.2.5.218.1.3 Relative

Value: 2

The standard friendly relative representation will be used (for example, "today at 3:00 PM").

3.2.5.219 Microsoft.SharePoint.Client.RegionalSettings

TypeId: {84C424A9-A1D6-46BA-8398-C46257ECD25B}

ShortName: SP.RegionalSettings

Specifies the locale settings of a site.<220>

3.2.5.219.1 Properties

3.2.5.219.1.1 Scalar Properties

3.2.5.219.1.1.1 AdjustHijriDays

Type: CSOM Int16

Accessibility: Read Only

Specifies the number of days to extend or reduce the current month in Hijri calendars on the site.

3.2.5.219.1.1.2 AlternateCalendarType

Type: CSOM Int16

Accessibility: Read Only

Gets an alternate calendar type that is used on the site.

The possible values are described in the table below.

Value	Description
0	No alternate calendar
1	Gregorian
3	Japanese Emperor Era
5	Korean Tangun Era
6	Hijri
7	Buddhist
8	Hebrew Lunar
9	Gregorian Middle East French Calendar
10	Gregorian Arabic Calendar
11	Gregorian Transliterated English Calendar
12	Gregorian Transliterated French Calendar
16	Saka Era
Other	Gregorian

3.2.5.219.1.1.3 AM

Type: CSOM String

Accessibility: Read Only

Specifies the string that is used to represent time before midday on the site.

3.2.5.219.1.1.4 CalendarType

Type: CSOM Int16

Accessibility: Read Only

Specifies the calendar type that SHOULD be used when processing date values on the site. This value MUST be a **CalendarType** as specified in [\[MS-WSSFO2\]](#) section 2.2.3.3 or [\[MS-WSSFO3\]](#) section [2.2.1.2.3](#).

3.2.5.219.1.1.5 Collation

Type: CSOM Int16

Accessibility: Read Only

Specifies the **collation** order of the site, which indicates an additional sorting order that SHOULD be processed by any back-end database server associated with the site. The collation method is an implementation-specific capability of the front-end Web server and back-end database server.

3.2.5.219.1.1.6 CollationLCID

Type: CSOM UInt32

Accessibility: Read Only

Gets the language code identifier (LCID) for the collation rules that are used on the site.

3.2.5.219.1.1.7 DateFormat

Type: CSOM UInt32

Accessibility: Read Only

Specifies the date format that is used on the server.

The possible values are specified in the following table.

Value	Description
0	Month-Day-Year.
1	Day-Month-Year.
2	Year-Month-Day.

3.2.5.219.1.1.8 DateSeparator

Type: CSOM String

Accessibility: Read Only

Gets the separator that is used for dates on the server.

3.2.5.219.1.1.9 DecimalSeparator

Type: CSOM String

Accessibility: Read Only

Gets the separator that is used for decimals on the server.

3.2.5.219.1.1.10 DigitGrouping

Type: CSOM String

Accessibility: Read Only

Gets the separator that is used in grouping digits.

3.2.5.219.1.1.11 FirstDayOfWeek

Type: CSOM UInt32

Accessibility: Read Only

Specifies the first day of the week used in calendars on the server.

The possible values are specified in the following table.

Value	Description
0	Sunday
1	Monday
2	Tuesday
3	Wednesday
4	Thursday
5	Friday
6	Saturday

3.2.5.219.1.1.12 FirstWeekOfYear

Type: CSOM Int16

Accessibility: Read Only

Specifies the first week of the year used in calendars on the server.

Specifies which week of a year is considered the first week.

The possible values are specified in the following table.

Value	Description
0	The first week is the week that January 1 falls in.
1	The first week is the first week that has four or more days in the new year.
2	The first week is the first full week of the year.

3.2.5.219.1.1.13 IsEastAsia

Type: CSOM Boolean

Accessibility: Read Only

Returns "true" if the web locale is an East Asia locale; "false" otherwise.

3.2.5.219.1.1.14 IsRightToLeft

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the site uses a right-to-left language. If it uses a right-to-left language, this value MUST be "true". Otherwise, this value MUST be "false".

3.2.5.219.1.1.15 IsUIRightToLeft

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the UI of the site uses a right-to-left language. If it uses a right-to-left language, this value MUST be "true". Otherwise, this value MUST be "false".

3.2.5.219.1.1.16 LocaleId

Type: CSOM UInt32

Accessibility: Read Only

Specifies the language code identifier (LCID) in use on the server.

3.2.5.219.1.1.17 NegativeSign

Type: CSOM String

Accessibility: Read Only

Specifies the symbol that is used to represent a negative sign on the site.

3.2.5.219.1.1.18 NegNumberMode

Type: CSOM UInt32

Accessibility: Read Only

Specifies the negative number mode that is used for displaying negative numbers in calculated fields based on the locale of the server.

The possible values are specified in the following table.

Value	Description	Example
0	Parentheses contain the number.	(1.1)
1	Placed before the number.	-1.1
2	Placed before the number with an extra space.	- 1.1
3	Placed after the number.	1.1-
4	Placed after the number with extra space.	1.1 -

3.2.5.219.1.1.19 PM

Type: CSOM String

Accessibility: Read Only

Specifies the string that is used to represent time after noon on the site.

3.2.5.219.1.1.20 PositiveSign

Type: CSOM String

Accessibility: Read Only

Specifies the symbol that is used to represent a positive number on the site.

3.2.5.219.1.1.21 ShowWeeks

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether to display the week number in day or week views of a calendar.

3.2.5.219.1.1.22 ThousandSeparator

Type: CSOM String

Accessibility: Read Only

Specifies the symbol that is used to separate thousands for numbers on the site. For example, if the symbol is ",", the number 123456789 would appear as "123,456,789".

3.2.5.219.1.1.23 Time24

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the site uses a 24-hour time format in representing the hours of the day. If it does, this value MUST be "true"; otherwise, this value MUST be "false".

3.2.5.219.1.1.24 TimeMarkerPosition

Type: CSOM UInt32

Accessibility: Read Only

Specifies an unsigned 32-bit integer that indicates the position of A.M. and P.M. in relation to the time string.

The possible values are specified in the following table.

Value	Description	Example
0	A.M. or P.M. appears after the time string.	12:27 AM
1	A.M. or P.M. appears before the time string.	PM 12:27

3.2.5.219.1.1.25 TimeSeparator

Type: CSOM String

Accessibility: Read Only

Gets the time separator symbol that is used on the server. For example, if the separator is ":", the time will appear as "12:08 AM".

3.2.5.219.1.1.26 WorkDayEndHour

Type: CSOM Int16

Accessibility: Read Only

Specifies the default hour at which the work day ends on the calendar that is in use on the site.

The possible values are specified in the following table.

Value	Description
0	12:00 AM
60	1:00 AM
120	2:00 AM
180	3:00 AM
240	4:00 AM
300	5:00 AM
360	6:00 AM
320	7:00 AM
480	8:00 AM
540	9:00 AM
600	10:00 AM
660	11:00 AM
720	12:00 PM
780	1:00 PM
840	2:00 PM
900	3:00 PM
960	4:00 PM
1020	5:00 PM
1080	6:00 PM
1140	7:00 PM
1200	8:00 PM
1260	9:00 PM
1320	10:00 PM
1380	11:00 PM

3.2.5.219.1.1.27 WorkDays

Type: CSOM Int16

Accessibility: Read Only

Specifies a number that represents the work days of site calendars.

Specifies a value that represents the work days in the site. This value is converted to its binary value, and it is read from left to right starting on Sunday and ending on Saturday. The days that have 1 are the work days in the site.

The following table shows some example values.

Value	Description	Work Days
127	1111111	All
0	0000000	None
64	1000000	Sunday
32	0100000	Monday
16	0010000	Tuesday
8	0001000	Wednesday
4	0000100	Thursday
2	0000010	Friday
1	0000001	Saturday
62	0111110	Monday to Friday

3.2.5.219.1.1.28 WorkDayStartHour

Type: CSOM Int16

Accessibility: Read Only

Specifies the default hour at which the work day starts on the calendar that is in use on the site.

The possible values are specified in the following table.

Value	Description
0	12:00 AM
60	1:00 AM
120	2:00 AM
180	3:00 AM
240	4:00 AM
300	5:00 AM
360	6:00 AM
420	7:00 AM
480	8:00 AM
540	9:00 AM

Value	Description
600	10:00 AM
660	11:00 AM
720	12:00 PM
780	1:00 PM
840	2:00 PM
900	3:00 PM
960	4:00 PM
1020	5:00 PM
1080	6:00 PM
1140	7:00 PM
1200	8:00 PM
1260	9:00 PM
1320	10:00 PM
1380	11:00 PM

3.2.5.219.1.1.29 ListSeparator

Type: CSOM String

Accessibility: Read Only

Specifies the separator that is used for lists on the server. For example, if the separator is ",", items in a list will appear as "1,2,3,4".

3.2.5.219.1.2 ObjectPath Properties

3.2.5.219.1.2.1 TimeZone

Type: Microsoft.SharePoint.Client.TimeZone

Accessibility: Read Only

Specifies the **time zone** of the site.

3.2.5.219.1.2.2 TimeZones

Type: Microsoft.SharePoint.Client.TimeZoneCollection

Accessibility: Read Only

Specifies the collection of time zones used on the site.

3.2.5.219.2 Methods

3.2.5.219.2.1 Scalar Methods

None.

3.2.5.219.2.2 ObjectPath Methods

None.

3.2.5.220 Microsoft.SharePoint.Client.TimeZone

TypeId: {5519D02C-CE37-4B91-B61D-A1CEFE0FC85E}

ShortName: SP.TimeZone

Specifies the time zone of a site. [<221>](#)

3.2.5.220.1 Properties

3.2.5.220.1.1 Scalar Properties

3.2.5.220.1.1.1 Description

Type: CSOM String

Accessibility: Read Only

Specifies the display name of the time zone.

3.2.5.220.1.1.2 Id

Type: CSOM Int32

Accessibility: Read Only

Specifies the identifier of the time zone.

3.2.5.220.1.1.3 Information

Type: Microsoft.SharePoint.Client.TimeZoneInformation

Accessibility: Read Only

Specifies additional information about the time zone.

3.2.5.220.1.2 ObjectPath Properties

None.

3.2.5.220.2 Methods

3.2.5.220.2.1 Scalar Methods

3.2.5.220.2.1.1 LocalTimeToUTC

Return Type: CSOM DateTime

Converts the specified date and time from the time zone to Coordinated Universal Time (UTC).

Parameters:

date: Specifies the value to convert.

Type: CSOM DateTime

3.2.5.220.2.1.2 UTCToLocalTime

Return Type: CSOM DateTime

Converts the specified date and time from Coordinated Universal Time (UTC) to the time zone.

Parameters:

date: Specifies the value to convert

Type: CSOM DateTime

3.2.5.220.2.2ObjectPath Methods

None.

3.2.5.221 Microsoft.SharePoint.Client.TimeZoneCollection

TypeId: {117CBF47-7E74-4165-B26B-C24180AB2095}

ShortName: SP.TimeZoneCollection

Represents a collection of SPTimeZone objects.

3.2.5.221.1 Properties

3.2.5.221.1.1Scalar Properties

None.

3.2.5.221.1.2ObjectPath Properties

None.

3.2.5.221.2 Methods

3.2.5.221.2.1Scalar Methods

None.

3.2.5.221.2.2ObjectPath Methods

3.2.5.221.2.2.1 GetById

Return Type: Microsoft.SharePoint.Client.TimeZone

Parameters:

id:

Type: CSOM Int32

3.2.5.222 Microsoft.SharePoint.Client.TimeZoneInformation

TypeId: {09E18222-7E4D-488B-811D-6EF43F31D17F}

ShortName: SP.TimeZoneInformation

Specifies metadata about a time zone. [<222>](#)

3.2.5.222.1 Properties

3.2.5.222.1.1 Scalar Properties

3.2.5.222.1.1.1 Bias

Type: CSOM Int32

Accessibility: Read Only

Specifies the number of minutes that the time zone differs from Coordinated Universal Time (UTC). A positive value indicates that the time zone is behind UTC.

3.2.5.222.1.1.2 DaylightBias

Type: CSOM Int32

Accessibility: Read Only

Specifies the number of minutes added to the **Bias** (section [3.2.5.222.1.1.1](#)) during Daylight Savings Time.

3.2.5.222.1.1.3 StandardBias

Type: CSOM Int32

Accessibility: Read Only

Specifies the number of minutes added to the **Bias** (section [3.2.5.222.1.1.1](#)) outside of Daylight Savings Time.

3.2.5.222.1.2 ObjectPath Properties

None.

3.2.5.223 Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.ClientPeoplePickerWebServiceInterface

TypeId: {DE2DB963-8BAB-4FB4-8A58-611AEBC5254B}

ShortName: SP.UI.ApplicationPages.ClientPeoplePickerWebServiceInterface

3.2.5.223.1 Properties

3.2.5.223.1.1 Scalar Properties

None.

3.2.5.223.1.2 ObjectPath Properties

None.

3.2.5.223.2 Methods

3.2.5.223.2.1 Scalar Methods

3.2.5.223.2.1.1 ClientPeoplePickerResolveUser

This method is a static CSOM method.

Return Type: CSOM String

Parameters:

queryParams:

Type: Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.ClientPeoplePickerQueryParameters

3.2.5.223.2.1.2 ClientPeoplePickerSearchUser

This method is a static CSOM method.

Return Type: CSOM String

Parameters:

queryParams:

Type: Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.ClientPeoplePickerQueryParameters

3.2.5.223.2.2 ObjectPath Methods

None.

3.2.5.224 Microsoft.SharePoint.ApplicationPages.PickerQuery.PeoplePickerWebServiceInterface

TypeId: {8A000BC7-5D42-4C47-AF0B-3DD25B28D26F}

ShortName: SP.UI.ApplicationPages.PeoplePickerWebServiceInterface

Specifies an interface that can be used to query principals. [<223>](#)

3.2.5.224.1 Properties

3.2.5.224.1.1 Scalar Properties

None.

3.2.5.224.1.2 ObjectPath Properties

None.

3.2.5.224.2 Methods

3.2.5.224.2.1 Scalar Methods

3.2.5.224.2.1.1 GetSearchResults

This method is a static CSOM method.

Return Type: CSOM String

Specifies a **JSON** formatted CSOM String of principals found in the search.

Parameters:

searchPattern: Specifies a pattern used to search for principals. The value is implementation-specific.

Type: CSOM String

providerID: The identifier of a claims provider.

Type: CSOM String

hierarchyNodeID: The identifier of a node in the hierarchy. The search **MUST** be conducted under this node.

Type: CSOM String

entityTypes: The type of principals to search for.

Type: CSOM String

This value **MUST** be a comma-separated list of principals.

3.2.5.224.2.1.2 GetSearchResultsByHierarchy

This method is a static CSOM method.

Return Type: CSOM String

Specifies a JSON formatted CSOM String of principals found in the search grouped by hierarchy.

Parameters:

providerID: The identifier of a claims provider.

Type: CSOM String

hierarchyNodeID: The identifier of a node in the hierarchy. The search **MUST** be conducted under this node.

Type: CSOM String

entityTypes: The type of principals to search for.

Type: CSOM String

This value **MUST** be a comma-separated list of principals.

contextUrl: The URL to use as context when searching for principals.

Type: CSOM String

3.2.5.224.2.2 ObjectPath Methods

None.

3.2.5.225 Microsoft.SharePoint.Client.RelatedFieldExtendedData

TypeId: {45FBCB1B-F734-4A96-86FE-836835C605F0}

ShortName: SP.RelatedFieldExtendedData

Specifies properties of a relationship lookup field. <224>

3.2.5.225.1 Properties

3.2.5.225.1.1 Scalar Properties

3.2.5.225.1.1.1 FieldId

Type: CSOM GUID

Accessibility: Read Only

Specifies the field (2) identifier of the relationship lookup field.

3.2.5.225.1.1.2 ListId

Type: CSOM GUID

Accessibility: Read Only

Specifies the list identifier of the relationship lookup field.

3.2.5.225.1.1.3 ListImageUrl

Type: CSOM String

Accessibility: Read Only

Specifies the URL for the icon of the target list.

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.

3.2.5.225.1.1.4 ResolvedListTitle

Type: CSOM String

Accessibility: Read Only

Specifies the resolved titles of the relationship lookup field and the target list.

3.2.5.225.1.1.5 ToolTipDescription

Type: CSOM String

Accessibility: Read Only

Specifies the description of the relationship lookup field and the target list to be displayed on the **ToolTip**.

3.2.5.225.1.1.6 WebId

Type: CSOM GUID

Accessibility: Read Only

Specifies the identifier of the site containing the target list for the relationship lookup field.

3.2.5.225.1.2ObjectPath Properties

None.

3.2.5.225.2 Methods

3.2.5.225.2.1Scalar Methods

None.

3.2.5.225.2.2ObjectPath Methods

None.

3.2.5.226 Microsoft.SharePoint.Client.RelatedFieldExtendedDataCollection

TypeId: {32ED187C-003C-413F-9799-1A2822ADE931}

ShortName: SP.RelatedFieldExtendedDataCollection

Specifies a collection of objects (1) that store properties of relationship lookup fields. [<225>](#)

3.2.5.226.1 Properties

3.2.5.226.1.1Scalar Properties

None.

3.2.5.226.1.2ObjectPath Properties

None.

3.2.5.226.2 Methods

3.2.5.226.2.1Scalar Methods

None.

3.2.5.226.2.2ObjectPath Methods

None.

3.2.5.227 Microsoft.SharePoint.Client.ObjectSharingInformation

TypeId: {E7DAE9F6-8CA5-4286-92C8-61941D774C44}

ShortName: SP.ObjectSharingInformation

Provides information about the sharing state of a securable object. [<226>](#)

3.2.5.227.1 Properties

3.2.5.227.1.1Scalar Properties

3.2.5.227.1.1.1 IsSharedWithCurrentUser

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the securable object is shared with the user making the current request.

3.2.5.227.1.1.2 IsSharedWithGuest

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the securable object can be accessed by an anonymous user.

3.2.5.227.1.1.3 IsSharedWithMany

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the securable object is shared with at least 30 users or with at least one security group.

3.2.5.227.1.1.4 IsSharedWithSecurityGroup

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the securable object is shared with at least one security group.

3.2.5.227.1.1.5 AnonymousEditLink

Type: CSOM String

Accessibility: Read Only

Provides the URL that allows an anonymous user to edit the securable object.

If such a URL is not available, this property will provide an empty string.

3.2.5.227.1.1.6 AnonymousViewLink

Type: CSOM String

Accessibility: Read Only

Provides the URL that allows an anonymous user to view the securable object.

If such a URL is not available, this property will provide an empty string.

3.2.5.227.1.1.7 CanManagePermissions

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether the current user is allowed to change the permissions of the securable object.

3.2.5.227.1.1.8 HasPendingAccessRequests

Type: CSOM Boolean

Accessibility: Read Only

Provides information about whether there are any pending access requests for the securable object.

This information is only provided if the current user has sufficient permissions to view any pending access requests. If the current user does not have such permissions, this property will return false.

3.2.5.227.1.1.9 PendingAccessRequestsLink

Type: CSOM String

Accessibility: Read Only

Provides a URL to a location that describes any access requests present in the site.

This information is only provided if the current user has sufficient permissions to view any pending access requests. If the current user does not have such permissions, this property will return an empty string.

3.2.5.227.1.1.10 HasPermissionLevels

Type: CSOM Boolean

Accessibility: Read Only

Indicates whether the object sharing information contains permissions information in addition to the identities of the users who have access to the securable object.

3.2.5.227.1.2 ObjectPath Properties

None.

3.2.5.227.2 Methods

3.2.5.227.2.1 Scalar Methods

None.

3.2.5.227.2.2 ObjectPath Methods

3.2.5.227.2.2.1 GetObjectSharingInformation

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.ObjectSharingInformation

Retrieves information about the sharing state for a given securable object.

Parameters:

securableObject: Specifies the securable object for which to obtain sharing information.

Type: Microsoft.SharePoint.Client.SecurableObject

excludeCurrentUser: Specifies whether the returned sharing state information will exclude information about the user making the request.

Type: CSOM Boolean

excludeSiteAdmin: Specifies whether the returned sharing state information will exclude information about users who are site collection administrators of the site collection which contains the securable object.

Type: CSOM Boolean

excludeSecurityGroups: Specifies whether the returned sharing state information will exclude information about security groups which have permissions to the securable object.

Type: CSOM Boolean

retrieveAnonymousLinks: Specifies whether the returned sharing state information will contain information about a URL that allows an anonymous user to access the securable object.

Type: CSOM Boolean

retrieveUserInfoDetails: Specifies whether the returned sharing state information will contain basic or detailed information about the users with permissions to the securable object.

Type: CSOM Boolean

This parameter is ignored if detailed information is not available.

checkForAccessRequests: Specifies whether the returned sharing state information will contain a URL to a location which describes any access requests present in the site, if such a URL is available.

Type: CSOM Boolean

retrievePermissionLevels: Specifies whether the returned sharing state information will contain permission information for each returned user.

Type: CSOM Boolean

This parameter is ignored if permission information is not available.

3.2.5.227.2.2.2 GetListItemSharingInformation

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.ObjectSharingInformation

Retrieves information about the sharing state for a given list.

Parameters:

listID: The list identifier for the list which contains the list item for which the sharing state is requested.

Type: CSOM GUID

itemID: The list item identifier for the list item for which the sharing state is requested.

Type: CSOM Int32

excludeCurrentUser: Specifies whether the returned sharing state information will exclude information about the user making the request.

Type: CSOM Boolean

excludeSiteAdmin: Specifies whether the returned sharing state information will exclude information about users who are site collection administrators of the site collection which contains the list.

Type: CSOM Boolean

excludeSecurityGroups: Specifies whether the returned sharing state information will exclude information about security groups which have permissions to the list item.

Type: CSOM Boolean

retrieveAnonymousLinks: Specifies whether the returned sharing state information will contain information about a URL that allows an anonymous user to access the list item.

Type: CSOM Boolean

retrieveUserInfoDetails: Specifies whether the returned sharing state information will contain basic or detailed information about the users with permissions to the list item.

Type: CSOM Boolean

checkForAccessRequests: Specifies whether the returned sharing state information will contain a URL to a location which describes any access requests present in the site, if such a URL is available.

Type: CSOM Boolean

3.2.5.227.2.2.3 GetSharedWithUsers

Return Type: CSOM array of Microsoft.SharePoint.Client.ObjectSharingInformationUser

Returns an array that contains the users with whom a securable object is shared.

Parameters: None

3.2.5.227.2.2.4 GetWebSharingInformation

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.ObjectSharingInformation

Retrieves information about the sharing state for the current site. The current site is the site in the context of which this method is invoked.

Parameters:

excludeCurrentUser: Specifies whether the returned sharing state information will exclude information about the user making the request.

Type: CSOM Boolean

excludeSiteAdmin: Specifies whether the returned sharing state information will exclude information about users who are site collection administrators of the site collection which contains the current site.

Type: CSOM Boolean

excludeSecurityGroups: Specifies whether the returned sharing state information will exclude information about security groups which have permissions to the current site.

Type: CSOM Boolean

retrieveAnonymousLinks: This parameter is ignored by the method.

Type: CSOM Boolean

retrieveUserInfoDetails: Specifies whether the returned sharing state information will contain basic or detailed information about the users with permissions to the current site.

Type: CSOM Boolean

checkForAccessRequests: Specifies whether the returned sharing state information will contain a URL to a location which describes any access requests present in the current site, if such a URL is available.

Type: CSOM Boolean

3.2.5.228 Microsoft.SharePoint.Client.PushNotificationSubscriber

TypeId: {1489ADD2-5D3A-4DE8-9445-49259462DCEB}

ShortName: SP.PushNotificationSubscriber

Specifies a push notification subscriber. [<227>](#).

3.2.5.228.1 Properties

3.2.5.228.1.1 Scalar Properties

3.2.5.228.1.1.1 CustomArgs

Type: CSOM String

Accessibility: Read/Write

Specifies a custom arguments string that represents the state of the notifications subscription. This string can be used by the application logic to differentiate between its notification subscribers for different kinds of notifications.

3.2.5.228.1.1.2 DeviceAppInstanceId

Type: CSOM GUID

Accessibility: Read Only

Specifies a device app instance identifier.

3.2.5.228.1.1.3 LastModifiedTimeStamp

Type: CSOM DateTime

Accessibility: Read Only

Specifies the time and date when the subscriber was last updated.

3.2.5.228.1.1.4 RegistrationTimeStamp

Type: CSOM DateTime

Accessibility: Read Only

Specifies the time and date when the subscriber registered for push notifications.

3.2.5.228.1.1.5 ServiceToken

Type: CSOM String

Accessibility: Read/Write

Specifies the delivery channel URI for push notifications.

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

3.2.5.228.1.1.6 SubscriberType

Type: CSOM String

Accessibility: Read/Write

Specifies the type of the subscriber.

3.2.5.228.1.2 ObjectPath Properties

3.2.5.228.1.2.1 User

Type: Microsoft.SharePoint.Client.User

Accessibility: Read Only

Specifies the user for the push notification subscriber.

3.2.5.228.2 Methods

3.2.5.228.2.1 Scalar Methods

3.2.5.228.2.1.1 Update

Return Type: None

Updates the phone subscription information in the store with the changes made to the instance.

Parameters: None

3.2.5.228.2.2 ObjectPath Methods

None.

3.2.5.229 Microsoft.SharePoint.Client.PushNotificationSubscriberCollection

TypeId: {99676B16-B4C9-429A-B3D9-DE883C42C4D5}

ShortName: SP.PushNotificationSubscriberCollection

Specifies a collection of push notification subscribers. [<228>](#)

3.2.5.229.1 Properties

3.2.5.229.1.1 Scalar Properties

None.

3.2.5.229.1.2 ObjectPath Properties

None.

3.2.5.229.2 Methods

3.2.5.229.2.1 Scalar Methods

None.

3.2.5.229.2.2 ObjectPath Methods

3.2.5.229.2.2.1 GetByStoreId

Return Type: Microsoft.SharePoint.Client.PushNotificationSubscriber

Returns the push notification subscriber from the specified store identifier.

Parameters:

id: Store identifier for the notification subscriber.

Type: CSOM String

3.2.5.230 Microsoft.BusinessData.Runtime.EntityEventType

ShortName: SP.BusinessData.Runtime.EntityEventType

Flag: false

The enumeration of event types to be used in the **Subscriber** stereotype.

3.2.5.230.1 Field Values

3.2.5.230.1.1 None

Value: 0

This value denotes an invalid event type. This value MUST NOT be used in the **Subscriber** stereotype.

3.2.5.230.1.2 ItemAdded

Value: 1

An item has been added.

3.2.5.230.1.3 ItemUpdated

Value: 2

An item has been updated.

3.2.5.230.1.4 ItemDeleted

Value: 3

An item has been deleted.

3.2.5.231 Microsoft.BusinessData.Runtime.NotificationCallback

TypeId: {87D0A4EE-8341-4848-8078-5135A1357A9D}

ShortName: SP.BusinessData.Runtime.NotificationCallback

Specifies the properties of the endpoint to which notifications from the external system is delivered.

3.2.5.231.1 Properties

3.2.5.231.1.1 Scalar Properties

3.2.5.231.1.1.1 NotificationContext

Type: CSOM String

Accessibility: Read/Write

The custom information that will be sent to the notification endpoint when notification arrives.

3.2.5.231.1.1.2 NotificationEndpoint

Type: CSOM String

Accessibility: Read Only

The URI of the endpoint at which notifications will be received.

3.2.5.231.1.1.3 NotificationForwarderType

Type: CSOM String

Accessibility: Read/Write

The type of the intermediate forwarder site on the protocol server that forwards the notifications to the **notification endpoint**. If no value is set, by default, the value is set to "CurrentContext". The allowed valid values for this parameter are "CurrentContext", "DeliveryAddressRelative" and "GlobalStore".

- If value "CurrentContext" is provided, then the site in the current context of the CSOM request will be used as the intermediate forwarder site.
- If value "GlobalStore" is provided, then the site information saved at the administration catalog will be used as the intermediate forwarder site. The property with name "EntityNotificationWeb" contains a value with site information in the format "<site_collection_id>,<site_id>".
- If the value "DeliveryAddressRelative" is provided, then the site information found in the notification endpoint will be used as the intermediate forwarder site.

3.2.5.231.1.2 ObjectPath Properties

None.

3.2.5.231.2 Methods

3.2.5.231.2.1 Scalar Methods

None.

3.2.5.231.2.2 ObjectPath Methods

3.2.5.231.2.2.1 CSOM Constructor

Creates an instance of type **NotificationCallback** (section [3.2.5.231](#)).

Parameters:

notificationEndpoint: The URI of the endpoint at which notifications will be received.

Type: CSOM String

3.2.5.232 Microsoft.BusinessData.Runtime.Subscription

TypeId: {69AA7DD9-23A0-4E20-9464-0749FC0E6406}

ShortName: SP.BusinessData.Runtime.Subscription

The **subscription** registration information token returned in response to the Subscriber stereotype call. This object is used as an input in the EventUnsubscriber stereotype call.

3.2.5.232.1 Properties

3.2.5.232.1.1 Scalar Properties

3.2.5.232.1.1.1 Hash

Type: CSOM String

Accessibility: Read Only

The digest header set by Business Connectivity Services (BCS) to identify the Subscription during Unsubscribe.

3.2.5.232.1.1.2 ID

Type: CSOM dictionary

Accessibility: Read Only

The map of subscription identifier names and their values returned by the external system during Subscriber stereotype call.

3.2.5.232.1.2 ObjectPath Properties

None.

3.2.5.232.2 Methods

3.2.5.232.2.1 Scalar Methods

None.

3.2.5.232.2.2 ObjectPath Methods

3.2.5.232.2.2.1 CSOM Constructor

Creates an instance of type Subscription (section [3.2.5.236](#)).

Parameters:

id: The map of subscription identifier names and their values returned by the external system during Subscriber stereotype call.

Type: CSOM dictionary

hash: The digest header set by Business Connectivity Services (BCS) to identity the Subscription during Unsubscribe.

Type: CSOM String

3.2.5.233 Microsoft.SharePoint.Administration.SPAnalyticsUsageService

TypeId: {D75AAFC0-CBE3-4930-9637-BB32DD276C8F}

ShortName: Microsoft.SharePoint.Administration.SPAnalyticsUsageService

Represents the entry point for the Event REST service exposed through CSOM. <229>

3.2.5.233.1 Properties**3.2.5.233.1.1 Scalar Properties**

None.

3.2.5.233.1.2 ObjectPath Properties

None.

3.2.5.233.2 Methods**3.2.5.233.2.1 Scalar Methods****3.2.5.233.2.1.1 logevent**

Return Type: None

Used to log events.

Parameters:

usageEntry: the **UsageEntry** (section [3.2.5.235](#)) object representing the event.

Type: Microsoft.SharePoint.Administration.UsageEntry

The **UsageEntry** object is validated. **usageEntry.ItemId** (section [3.2.5.234.1.1.2](#)) is a required property. **usageEntry.EventTypeId** (section [3.2.5.234.1.1.1](#)) is required and MUST be a valid event type. If **usageEntry.Site** (section [3.2.5.234.1.1.4](#)) equals **Guid.Empty**, the current site is used.

3.2.5.233.2.2 ObjectPath Methods**3.2.5.233.2.2.1 CSOM Constructor**

Creates an instance of type **SPAnalyticsUsageService** (section [3.2.5.233](#))

Parameters: None

3.2.5.234 Microsoft.SharePoint.Administration.UsageEntry

TypeId: {6DFA6EB7-93AF-4625-95EA-508B84BE1751}

ShortName: Microsoft.SharePoint.Administration.UsageEntry

Represents an event, logged through the **logevent** method. (section [3.2.5.233.2.1.1](#)).<230>

3.2.5.234.1 Properties

3.2.5.234.1.1 Scalar Properties

3.2.5.234.1.1.1 EventTypeId

Type: CSOM Int32

Accessibility: Read/Write

MUST be one of the values described in section [3.2.5.168](#)

3.2.5.234.1.1.2 ItemId

Type: CSOM String

Accessibility: Read/Write

The identifier of the item to which the event applies.

3.2.5.234.1.1.3 ScopeId

Type: CSOM GUID

Accessibility: Read/Write

A scope identifier to which the event applies.

3.2.5.234.1.1.4 Site

Type: CSOM GUID

Accessibility: Read/Write

The identifier of the site to which the event applies.

3.2.5.234.1.1.5 User

Type: CSOM String

Accessibility: Read/Write

The identifier of the user which the event relates to.

3.2.5.234.1.2 ObjectPath Properties

None.

3.2.5.235 Microsoft.BusinessData.Infrastructure.EntityInstanceIdEncoder

TypeId: {7B23E667-073D-42E2-B519-2FF52345735A}

ShortName: Microsoft.SharePoint.BusinessData.Infrastructure.EntityInstanceIdEncoder

Encodes and decodes EntityInstance identifiers.

3.2.5.235.1 Properties

3.2.5.235.1.1 Scalar Properties

None.

3.2.5.235.1.2 ObjectPath Properties

None.

3.2.5.235.2 Methods

3.2.5.235.2.1 Scalar Methods

3.2.5.235.2.1.1 EncodeEntityInstanceId

This method is a static CSOM method.

Return Type: CSOM String

Encodes the external item sub-identifiers and returns the encoded external item identifier.

Parameters:

subIdentifiers: An array of external item sub-identifiers.

Type: CSOM array of CSOM Object

This method is not available in ECMAScript ([\[ECMA-262\]](#)).

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	At least one of the parameters is null.
-2146233086	System.ArgumentOutOfRangeException	Need less than 26 subIdentifiers.

3.2.5.235.2.2 ObjectPath Methods

None.

3.2.5.236 Microsoft.BusinessData.Infrastructure.ExternalSubscriptionStore

TypeId: {B5D4DFA9-E948-4068-A32B-012EEA5A1A61}

ShortName: SP.BusinessData.Infrastructure.ExternalSubscriptionStore

Defines a SharePoint list which contains a collection of subscriptions. This collection is referred to in this section as the "external subscription store".

3.2.5.236.1 Properties

3.2.5.236.1.1 Scalar Properties

None.

3.2.5.236.1.2 ObjectPath Properties

None.

3.2.5.236.2 Methods

3.2.5.236.2.1 Scalar Methods

3.2.5.236.2.1.1 IndexStore

Return Type: None

Indexes the external subscription store.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.BusinessData.Infrastructure.BdcException	External Subscription Feature is not enabled or external subscriptions list is not found.
-2147024891	System.UnauthorizedAccessException	User does not have permissions to index the external subscription store.

3.2.5.236.2.2 ObjectPath Methods

3.2.5.236.2.2.1 CSOM Constructor

Creates an instance of type **ExternalSubscriptionStore** (section [3.2.5.236](#)).

Parameters:

web: The site containing the external subscription store.

Type: Microsoft.SharePoint.Client.Web

It MUST NOT be NULL.

3.2.5.237 Microsoft.SharePoint.Client.App

TypeId: {7B3E0C67-45C1-423C-AF60-240BD774ADC0}

ShortName: SP.App

Specifies an app package.

3.2.5.237.1 Properties

3.2.5.237.1.1 Scalar Properties

3.2.5.237.1.1.1 AssetId

Type: CSOM String

Accessibility: Read Only

If the app package is from the marketplace, the value MUST be a unique identifier for the app package in the marketplace. Otherwise it MUST be NULL.

3.2.5.237.1.1.2 ContentMarket

Type: CSOM String

Accessibility: Read Only

If the app package is from the marketplace, the value MUST be the marketplace content market of the app (2). Otherwise it MUST be NULL.

3.2.5.237.1.1.3 VersionString

Type: CSOM String

Accessibility: Read Only

Specifies the version of the app package.

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

3.2.5.237.1.2ObjectPath Properties

None.

3.2.5.237.2 Methods

3.2.5.237.2.1Scalar Methods

None.

3.2.5.237.2.2ObjectPath Methods

None.

3.2.5.238 Microsoft.SharePoint.Client.AppInstanceStatus

ShortName: SP.AppInstanceStatus

Flag: false

Specifies the lifecycle status of this app instance.

3.2.5.238.1 Field Values

3.2.5.238.1.1InvalidStatus

Value: 0

This value indicates an internal product error. An app instance SHOULD NOT have this value.

3.2.5.238.1.2Installing

Value: 1

This value indicates that the app instance is in the process of installing.

3.2.5.238.1.3Canceling

Value: 7

This value indicates that the app instance was installing, but was cancelled, and is now uninstalling.

3.2.5.238.1.4Uninstalling

Value: 4

This value indicates that the app instance is uninstalling.

3.2.5.238.1.5Installed

Value: 5

This value indicates that the app instance is installed.

3.2.5.238.1.6Upgrading

Value: 8

This value indicates that the app instance is upgrading.

3.2.5.238.1.7Initialized

Value: 9

This value indicates that the app instance has been created, but not yet installed.

3.2.5.238.1.8UpgradeCanceling

Value: 10

This value indicates that the app instance was upgrading, but has cancelled.

3.2.5.238.1.9Disabling

Value: 11

This value indicates that the app instance is disabling.

3.2.5.238.1.10 Disabled

Value: 12

This value indicates that the app instance is disabled.

3.2.5.238.1.11 SecretRolling

Value: 13

This value indicates that the app instance is rolling the secret associated with its app principal.

3.2.5.239 Microsoft.SharePoint.Client.AppLicense

TypeId: {D3425BF9-FE82-4957-AFDA-5FBD21DABB85}

ShortName: SP.AppLicense

Specifies a marketplace license. <231>

3.2.5.239.1 Properties

3.2.5.239.1.1 Scalar Properties

3.2.5.239.1.1.1 RawXMLLicenseToken

Type: CSOM String

Accessibility: Read Only

The implementation-specific XML that specifies the marketplace license token.

3.2.5.239.1.2 ObjectPath Properties

None.

3.2.5.240 Microsoft.SharePoint.Client.AppLicenseCollection

TypeId: {47BEB529-4C4B-41BA-B717-28D18FBDF258}

ShortName: SP.AppLicenseCollection

Specifies a collection of marketplace licenses. <232>

3.2.5.240.1 Properties

3.2.5.240.1.1 Scalar Properties

None.

3.2.5.240.1.2 ObjectPath Properties

None.

3.2.5.241 Microsoft.SharePoint.Client.AppLicenseType

ShortName: SP.AppLicenseType

Flag: false

Enumeration of the possible types of marketplace licenses that can enable trial periods for or perpetual usage of an app for SharePoint (an app (2)), and can also limit the number of people who are able to use the app (2).

3.2.5.241.1 Field Values

3.2.5.241.1.1 PerpetualMultiUser

Value: 0

Specifies a non-trial marketplace license with a limit on the number of people who can use the app (2).

3.2.5.241.1.2 PerpetualAllUsers

Value: 1

Specifies a non-trial marketplace license without a limit on the number of people who can use the app (2).

3.2.5.241.1.3 TrialMultiUser

Value: 2

Specifies a trial marketplace license with a limit on the number of people who can use the app (2).

3.2.5.241.1.4 TrialAllUsers

Value: 3

Specifies a trial marketplace license without a limit on the number of people who can use the app (2).

3.2.5.242 Microsoft.SharePoint.Client.Language

TypeId: {EAE9F1B5-1AE9-417B-9A8B-04A1B4C05A4B}

ShortName: SP.Language

Represents a natural language.

3.2.5.242.1 Properties

3.2.5.242.1.1 Scalar Properties

3.2.5.242.1.1.1 DisplayName

Type: CSOM String

Accessibility: Read Only

Specifies the name of the language as displayed in the user interface.

3.2.5.242.1.1.2 LanguageTag

Type: CSOM String

Accessibility: Read Only

Specifies the corresponding **culture name** for the language.

3.2.5.242.1.1.3 Lcid

Type: CSOM Int32

Accessibility: Read Only

Specifies the language code identifier (LCID) for the language.

3.2.5.242.1.2 ObjectPath Properties

None.

3.2.5.243 Microsoft.SharePoint.Client.ListItemFormUpdateValue

TypeId: {03745A5A-2400-440E-92D6-DAD4AFEE30A6}

ShortName: SP.ListItemFormUpdateValue

Specifies the properties of a list item field (2) and its value.

3.2.5.243.1 Properties

3.2.5.243.1.1 Scalar Properties

3.2.5.243.1.1.1 ErrorMessage

Type: CSOM String

Accessibility: Read/Write

Specifies the error message result after validating the value for the field (2).

3.2.5.243.1.1.2 FieldName

Type: CSOM String

Accessibility: Read/Write

Specifies the field internal name for a field (2).

3.2.5.243.1.1.3 FieldValue

Type: CSOM String

Accessibility: Read/Write

Specifies a value for a field (2).

3.2.5.243.1.1.4 HasException

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether there was an error result after validating the value for the field (2).

3.2.5.243.1.2 ObjectPath Properties

None.

3.2.5.244 Microsoft.SharePoint.Client.MenuNode

TypeId: {B85A901B-328E-4378-922F-4F9AE35B36E1}

ShortName: SP.MenuNode

Represents a navigation node in the navigation hierarchy. A navigation hierarchy is a tree structure of navigation nodes.

3.2.5.244.1 Properties

3.2.5.244.1.1 Scalar Properties

3.2.5.244.1.1.1 CustomProperties

Type: CSOM dictionary

Accessibility: Read/Write

Contains key value pairs, where both the key and value MUST be of type CSOM String.

The keys SHOULD be prefixed with "Nav_", "_Nav_" or "_Sys_Facet_".

3.2.5.244.1.1.2 FriendlyUrlSegment

Type: CSOM String

Accessibility: Read/Write

Specifies the URL of the navigation node relative to the URL of the parent navigation node.

3.2.5.244.1.1.3 IsHidden

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the node will be hidden in the navigation menu. During editing, all nodes temporarily become visible so that they can be edited.

3.2.5.244.1.1.4 Key

Type: CSOM String

Accessibility: Read/Write

Specifies the identifier for the navigation node in the menu tree. If the navigation node does not exist on the protocol server, this value MUST be an empty string.

It MUST NOT be NULL.

3.2.5.244.1.1.5 Nodes

Type: CSOM array of Microsoft.SharePoint.Client.MenuNode

Accessibility: Read/Write

Specifies an array of child nodes.

3.2.5.244.1.1.6 NodeType

Type: Microsoft.SharePoint.Client.MenuNodeType

Accessibility: Read/Write

Specifies the type of the navigation node.

3.2.5.244.1.1.7 SimpleUrl

Type: CSOM String

Accessibility: Read/Write

If the **NodeType** (section [3.2.5.244.1.1.6](#)) property is set to "SimpleLink", this property represents the URL of the navigation node. The URL can be relative or absolute. If the value is a relative URL, it can begin with URL tokens "~site" and "~sitecollection". These tokens indicate that the URL is either relative to the site or to the site collection respectively. If the **NodeType** (section [3.2.5.244.1.1.6](#)) property is not set to "SimpleLink", the value MUST be an empty string.

3.2.5.244.1.1.8 Title

Type: CSOM String

Accessibility: Read/Write

Specifies the title of the navigation node. The value is in the preferred language of the user, if available, or is in the default language of the site as a fallback.

3.2.5.244.1.2 ObjectPath Properties

None.

3.2.5.245 Microsoft.SharePoint.Client.MenuNodeType

ShortName: SP.MenuNodeType

Flag: false

Represents the different types of menu nodes.

3.2.5.245.1 Field Values

3.2.5.245.1.1 SimpleLink

Value: 0

Standard navigation menu node. If the URL is blank, then the node acts as a menu caption with no hyperlink.

3.2.5.245.1.2 FriendlyUrl

Value: 1

Special **taxonomy navigation** menu node that defines a user friendly URL.

3.2.5.246 Microsoft.SharePoint.Client.MenuState

TypeId: {B85A901B-328E-4378-922F-4F9AE35B36E0}

ShortName: SP.MenuState

A menu tree which can be shown in the Quick Launch of a site.

3.2.5.246.1 Properties

3.2.5.246.1.1 Scalar Properties

3.2.5.246.1.1.1 FriendlyUrlPrefix

Type: CSOM String

Accessibility: Read/Write

Specifies the site collection relative URL for the root node of the menu tree.

3.2.5.246.1.1.2 Nodes

Type: CSOM array of Microsoft.SharePoint.Client.MenuNode

Accessibility: Read/Write

The child nodes of the root node of the menu tree.

3.2.5.246.1.1.3 SimpleUrl

Type: CSOM String

Accessibility: Read/Write

If the **NodeType** property (section [3.2.5.244.1.1.6](#)) of the menu tree root node is set to "SimpleLink", this property represents the URL of the root node. The URL can be relative or absolute. If the value is a relative URL, it can begin with URL tokens "~site" and "~sitecollection". These tokens indicate that the URL is either relative to the site or to the site collection respectively. If the **NodeType** property (section [3.2.5.244.1.1.6](#)) of the menu tree root node is not set to "SimpleLink", this value MUST be NULL.

3.2.5.246.1.1.4 SPSitePrefix

Type: CSOM String

Accessibility: Read/Write

Defines the text that SHOULD be substituted for "~sitecollection/" in relative links (such as "~sitecollection/Pages/MyPage.aspx").

3.2.5.246.1.1.5 SPWebPrefix

Type: CSOM String

Accessibility: Read/Write

Defines the text that SHOULD be substituted for "~site/" in relative links (such as "~site/Pages/MyPage.aspx").

3.2.5.246.1.1.6 StartingNodeKey

Type: CSOM String

Accessibility: Read/Write

Specifies the identifier for the root node in the menu tree.

3.2.5.246.1.1.7 StartingNodeTitle

Type: CSOM String

Accessibility: Read/Write

Specifies the title of the root node in the menu tree.

3.2.5.246.1.1.8 Version

Type: CSOM String

Accessibility: Read/Write

Specifies an implementation-specific value that the protocol server uses to detect external changes.

3.2.5.246.1.2 ObjectPath Properties

None.

3.2.5.247 Microsoft.SharePoint.Client.ObjectSharingInformationUser

TypeId: {F7B7FE66-58A7-4843-882D-99AF0D97992B}

ShortName: SP.ObjectSharingInformationUser

Contains information about a principal with whom a securable object is shared. It can be a user or a group.

3.2.5.247.1 Properties

3.2.5.247.1.1 Scalar Properties

3.2.5.247.1.1.1 Department

Type: CSOM String

Accessibility: Read Only

Specifies the department for the user.

It MUST be NULL or empty if the principal is a group.

3.2.5.247.1.1.2 Email

Type: CSOM String

Accessibility: Read Only

Specifies the email address for the user.

It MUST be NULL or empty if the principal is a group.

3.2.5.247.1.1.3 Id

Type: CSOM Int32

Accessibility: Read Only

Specifies the identifier of the principal.

3.2.5.247.1.1.4 JobTitle

Type: CSOM String

Accessibility: Read Only

Specifies the job title of the user.

It MUST be NULL or empty if the principal is a group.

3.2.5.247.1.1.5 Name

Type: CSOM String

Accessibility: Read Only

Specifies the name of the principal.

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

3.2.5.247.1.1.6 Picture

Type: CSOM String

Accessibility: Read Only

Specifies the picture URL of the user.

It MUST be NULL or empty if the principal is a group.

3.2.5.247.1.1.7 SipAddress

Type: CSOM String

Accessibility: Read Only

Specifies the SIP address of the user.

It MUST be NULL or empty if the principal is a group.

3.2.5.247.1.1.8 CustomRoleNames

Type: CSOM String

Accessibility: Read Only

Specifies the custom role names that the user has for a document.

It MUST be NULL or empty for a securable object that is not a document.

3.2.5.247.1.1.9 HasEditPermission

Type: CSOM Boolean

Accessibility: Read Only

Indicates whether the principal has Edit permission for a document.

It MUST be false for a securable object that is not a document.

3.2.5.247.1.1.10 HasViewPermission

Type: CSOM Boolean

Accessibility: Read Only

Indicates whether the principal has View permission for a document.

It MUST be false for a securable object that is not a document.

3.2.5.247.1.1.11 IsSiteAdmin

Type: CSOM Boolean

Accessibility: Read Only

Indicates whether user is a site collection administrator.

It MUST be false if the principal is a group.

3.2.5.247.1.1.12 LoginName

Type: CSOM String

Accessibility: Read Only

Specifies the login name for the principal.

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

3.2.5.247.1.2 ObjectPath Properties

3.2.5.247.1.2.1 User

Type: Microsoft.SharePoint.Client.User

Accessibility: Read Only

Specifies the user with whom a securable object is shared.

3.2.5.247.1.2.2 Principal

Type: Microsoft.SharePoint.Client.Principal

Accessibility: Read Only

The principal with whom a securable object is shared. It is either a user or a group.

It MUST NOT be NULL.

3.2.5.247.2 Methods

3.2.5.247.2.1 Scalar Methods

None.

3.2.5.247.2.2 ObjectPath Methods

None.

3.2.5.248 Microsoft.SharePoint.Client.OpenWebOptions

ShortName: SP.OpenWebOptions

Flag: true

The **OpenWebOptions** type specifies if additional navigation information is to be returned with the site.

3.2.5.248.1 Field Values

3.2.5.248.1.1 None

Value: 0

This value specifies that no additional navigation information is to be returned with the site.

3.2.5.248.1.2 InitNavigationCache

Value: 1

This value specifies that the navigation information is to be returned with the site.

3.2.5.249 Microsoft.SharePoint.Client.RequestVariable

TypeId: {5806D374-4904-49E9-A73F-3265EE2E06C6}

ShortName: SP.RequestVariable

Specifies a variable that can be used while processing requests between protocol server and protocol client.

3.2.5.249.1 Properties

3.2.5.249.1.1 Scalar Properties

3.2.5.249.1.1.1 Value

Type: CSOM String

Accessibility: Read Only

The value of this request variable.

3.2.5.249.1.2 ObjectPath Properties

None.

3.2.5.249.2 Methods

3.2.5.249.2.1 Scalar Methods

3.2.5.249.2.1.1 Append

Return Type: None

Appends a value to the value of this request variable.

Parameters:

value: The value to be appended to the current value of this request variable.

Type: CSOM String

3.2.5.249.2.1.2 Set

Return Type: None

Sets the value of this request variable.

Parameters:

value: The value to be set for this request variable.

Type: CSOM String

3.2.5.249.2.2ObjectPath Methods

3.2.5.249.2.2.1 CSOM Constructor

Instantiates an instance of type **RequestVariable** (section [3.2.5.249](#))

Parameters: None

3.2.5.250 Microsoft.SharePoint.Client.SiteUrl

TypeId: {D7DA1187-8020-42EC-97F4-823AC965AC75}

ShortName: SP.SiteUrl

Represents a URL for a site collection.

3.2.5.250.1 Properties

3.2.5.250.1.1Scalar Properties

None.

3.2.5.250.1.2ObjectPath Properties

None.

3.2.5.250.2 Methods

3.2.5.250.2.1Scalar Methods

None.

3.2.5.250.2.2ObjectPath Methods

None.

3.2.5.251 Microsoft.SharePoint.Client.UserIdInfo

TypeId: {C5C3AE1A-63B6-4F25-A887-54B0B20A28E2}

ShortName: SP.UserIdInfo

Contains an identity provider's unique identifier information.

3.2.5.251.1 Properties

3.2.5.251.1.1 Scalar Properties

3.2.5.251.1.1.1 NameId

Type: CSOM String

Accessibility: Read Only

Specifies the identity provider's unique identifier.

3.2.5.251.1.1.2 NameIdIssuer

Type: CSOM String

Accessibility: Read Only

Specifies the identity provider's display name as registered in a farm.

3.2.5.251.1.2 ObjectPath Properties

None.

3.2.5.252 Microsoft.SharePoint.Client.Utilities.SPWOPIFrameAction

ShortName: SP.Utilities.SPWOPIFrameAction

Flag: false

Specifies distinct operations that are available for the list item.

3.2.5.252.1 Field Values

3.2.5.252.1.1 View

Value: 0

Requests a browser-based viewing experience.

3.2.5.252.1.2 Edit

Value: 1

Requests a browser-based editing experience.

3.2.5.252.1.3 MobileView

Value: 2

Requests a mobile browser-based viewing experience.

3.2.5.252.1.4 InteractivePreview

Value: 3

Requests a browser-based previewing experience, suitable for use in an iFrame.

3.2.5.253 Microsoft.SharePoint.Navigation.REST.NavigationServiceRest

TypeId: {8FE28B7A-6EBF-4F28-B564-5F0729301FAC}

ShortName: Microsoft.SharePoint.Navigation.REST.NavigationServiceRest

The entry point for REST-based navigation service operations.

3.2.5.253.1 Properties

3.2.5.253.1.1 Scalar Properties

None.

3.2.5.253.1.2 ObjectPath Properties

None.

3.2.5.253.2 Methods

3.2.5.253.2.1 Scalar Methods

3.2.5.253.2.1.1 MenuNodeKey

Return Type: CSOM String

Returns the unique key for a node within the menu tree. If a key cannot be found, an exception is returned.

Parameters:

currentUrl: A URL relative to the site collection identifying the node within the menu tree.

Type: CSOM String

mapProviderName: The name identifying a provider to use for the look up. [<233>](#)

Type: CSOM String

3.2.5.253.2.1.2 MenuState

Return Type: Microsoft.SharePoint.Client.MenuState

Returns the menu tree rooted at the specified root node for a given provider.

Parameters:

menuNodeKey: A unique key identifying the node that will be used as root node in the returned result.

Type: CSOM String

mapProviderName: The name identifying the provider to use. [<234>](#)

Type: CSOM String

depth: The number of levels to include in the returned site map. If no value is specified, a depth of 10 is used.

Type: CSOM Int32

customProperties: A comma separated list of custom properties to request. The character "\" is used to escape commas, allowing comma to be part of the property names.

Type: CSOM String

3.2.5.253.2.2 ObjectPath Methods

3.2.5.253.2.2.1 CSOM Constructor

Instantiates an instance of type **NavigationServiceRest** (section [3.2.5.253](#))

Parameters: None

3.2.5.254 Microsoft.SharePoint.Client.UpgradeInfo

TypeId: {A012E5FA-A28F-4232-9561-C4033F61C889}

ShortName: SP.UpgradeInfo

A class containing site collection upgrade information.

3.2.5.254.1 Properties

3.2.5.254.1.1 Scalar Properties

3.2.5.254.1.1.1 ErrorFile

Type: CSOM String

Accessibility: Read Only

Specifies the location of the file that contains upgrade errors.

3.2.5.254.1.1.2 Errors

Type: CSOM Int32

Accessibility: Read Only

Specifies the number of errors encountered during the site collection upgrade.

3.2.5.254.1.1.3 LastUpdated

Type: CSOM DateTime

Accessibility: Read Only

Specifies the **DateTime** of the latest upgrade progress update.

3.2.5.254.1.1.4 LogFile

Type: CSOM String

Accessibility: Read Only

Specifies the location of the file that contains upgrade log.

3.2.5.254.1.1.5 RequestDate

Type: CSOM DateTime

Accessibility: Read Only

Specifies the **DateTime** when the site collection upgrade was requested.

3.2.5.254.1.1.6 RetryCount

Type: CSOM Int32

Accessibility: Read Only

Specifies how many times the site collection upgrade was attempted.

3.2.5.254.1.1.7 StartTime

Type: CSOM DateTime

Accessibility: Read Only

Specifies the **DateTime** when the site collection upgrade was started.

3.2.5.254.1.1.8 Status

Type: Microsoft.SharePoint.Client.UpgradeStatus

Accessibility: Read Only

Specifies the current site collection upgrade status.

3.2.5.254.1.1.9 UpgradeType

Type: Microsoft.SharePoint.Client.UpgradeType

Accessibility: Read Only

Specifies the type of the site collection upgrade type. The type can be either a build to build upgrade, or a version to version upgrade.

3.2.5.254.1.1.10 Warnings

Type: CSOM Int32

Accessibility: Read Only

Specifies the number of warnings encountered during the site collection upgrade.

3.2.5.254.1.2 ObjectPath Properties

None.

3.2.5.255 Microsoft.SharePoint.Client.UpgradeStatus

ShortName: SP.UpgradeStatus

Flag: false

Specifies the status of the site collection upgrade.

3.2.5.255.1 Field Values

3.2.5.255.1.1 None

Value: 0

Upgrade has not started.

3.2.5.255.1.2 InProgress

Value: 1

Upgrade is in progress.

3.2.5.255.1.3 Failed

Value: 2

Upgrade has failed.

3.2.5.255.1.4 Completed

Value: 3

Upgrade has completed successfully.

3.2.5.256 Microsoft.SharePoint.Client.AppInstanceErrorDetails

TypeId: {E1EE83CD-B0A5-4F57-A10C-5BCC11EB1C69}

ShortName: SP.AppInstanceErrorDetails

Specifies details about the error encountered during a lifecycle operation of an app instance.

3.2.5.256.1 Properties

3.2.5.256.1.1 Scalar Properties

3.2.5.256.1.1.1 CorrelationId

Type: CSOM GUID

Accessibility: Read/Write

Specifies the unique identifier of the lifecycle operation associated with the error.

3.2.5.256.1.1.2 ErrorDetail

Type: CSOM String

Accessibility: Read Only

Specifies the detailed error message.

3.2.5.256.1.1.3 ErrorType

Type: Microsoft.SharePoint.Client.AppInstanceErrorType

Accessibility: Read/Write

Specifies the type of error as specified in section [3.2.5.258](#).

3.2.5.256.1.1.4 ErrorTypeName

Type: CSOM String

Accessibility: Read Only

Specifies the name for the error type.

3.2.5.256.1.1.5 ExceptionMessage

Type: CSOM String

Accessibility: Read Only

Specifies the exception message that caused the error.

3.2.5.256.1.1.6 Source

Type: Microsoft.SharePoint.Client.AppInstanceErrorSource

Accessibility: Read/Write

Specifies the source of the error as specified in section [3.2.5.257](#)

3.2.5.256.1.1.7 SourceName

Type: CSOM String

Accessibility: Read Only

Specifies the name for the source of error.

3.2.5.256.1.2 ObjectPath Properties

None.

3.2.5.256.2 Methods

3.2.5.256.2.1 Scalar Methods

None.

3.2.5.256.2.2 ObjectPath Methods

None.

3.2.5.257 Microsoft.SharePoint.Client.AppInstanceErrorSource

ShortName: SP.AppInstanceErrorSource

Flag: false

Specifies the source of error for the app instance lifecycle operation.

3.2.5.257.1 Field Values

3.2.5.257.1.1 Common

Value: 0

The error originated from none of the well-defined sources.

3.2.5.257.1.2 AppWeb

Value: 1

The error originated from an app instance lifecycle operation on the app(2) site.

3.2.5.257.1.3 ParentWeb

Value: 2

The error originated from an app instance lifecycle operation on the site that contains the app instance.

3.2.5.257.1.4 RemoteWebSite

Value: 3

The error originated from an app instance lifecycle remote system operation outside of SharePoint.

3.2.5.257.1.5 Database

Value: 4

The error originated from an app instance lifecycle database operation.

3.2.5.257.1.6 OfficeExtension

Value: 5

The error originated from an app instance lifecycle operation associated with app for Office.

3.2.5.257.1.7 EventCallouts

Value: 6

The error originated from an app instance lifecycle operation on a remote event receiver.

3.2.5.257.1.8 Finalization

Value: 7

The error originated from the final step of an app instance lifecycle operation.

3.2.5.258 Microsoft.SharePoint.Client.AppInstanceErrorType

ShortName: SP.AppInstanceErrorType

Flag: false

Specifies the type of error that occurred during lifecycle operation for an app instance.

3.2.5.258.1 Field Values

3.2.5.258.1.1 Transient

Value: 0

A transient or intermittent error occurred during lifecycle operation.

3.2.5.258.1.2 Configuration

Value: 1

An error related to configuration occurred during lifecycle operation.

3.2.5.258.1.3 App

Value: 2

An error related to a bad app package occurred during lifecycle operation.

3.2.5.259 Microsoft.SharePoint.Client.CompatibilityRange

TypeId: {3A64E199-FBE8-4277-960B-9067471CF64B}

ShortName: SP.CompatibilityRange

Specifies a range of compatibility levels.

3.2.5.259.1 Properties

3.2.5.259.1.1 Scalar Properties

None.

3.2.5.259.1.2 ObjectPath Properties

None.

3.2.5.259.2 Methods

3.2.5.259.2.1 Scalar Methods

None.

3.2.5.259.2.2 ObjectPath Methods

None.

3.2.5.260 Microsoft.SharePoint.Client.AccessRequests

TypeId: {E7DAE9F6-8AA5-4B86-92C8-61941D774C44}

ShortName: SP.AccessRequests

Provides functionality to operate on access requests and external user invitations.

3.2.5.260.1 Properties

3.2.5.260.1.1 Scalar Properties

None.

3.2.5.260.1.2 ObjectPath Properties

None.

3.2.5.260.2 Methods

3.2.5.260.2.1 Scalar Methods

3.2.5.260.2.1.1 ChangeRequestStatus

This method is a static CSOM method.

Return Type: None

This method changes the status of an access request. The user executing this method **MUST** be in the associated site owners group.

Parameters:

itemId: The identifier of the access request.

Type: CSOM Int32

This **MUST** be a non-negative integer id of a valid item in the list.

newStatus: The new status for the request.

Type: CSOM Int32

This **MUST** be an integer in the range 0 through 5.

convStr: A message to include with this update.

Type: CSOM String

permType: The new permission type for this request.

Type: CSOM String

The values **MUST** be one of "Role Definition" or "SharePoint Group".

permissionLevel: The new permission level for this request.

Type: CSOM Int32

Based on what the *permType* is, the value **MUST** be a valid integer of an existing a site group or a valid integer pointing to a role definition.

3.2.5.260.2.1.2 ChangeRequestStatusBulk

This method is a static CSOM method.

Return Type: None

Changes the status of a list of access requests. The user executing this method **MUST** be in the associated site owners group.

Parameters:

requestIds: The list of identifiers of the access requests.

Type: CSOM array of CSOM Int32

This array MUST contain at least one valid non negative integer. It MUST NOT be NULL. It MUST NOT be an empty array.

newStatus: The new status for the access requests.

Type: CSOM Int32

It MUST be an integer in the range 0 through 5.

3.2.5.260.2 ObjectPath Methods

None.

3.2.5.261 Microsoft.SharePoint.Client.AppContextSite

TypeId: {5530F782-6A0D-41EC-BFD9-2CB628FE1557}

ShortName: SP.AppContextSite

Specifies the request context information for a site collection when an app for SharePoint accesses that site collection.

3.2.5.261.1 Properties

3.2.5.261.1.1 Scalar Properties

None.

3.2.5.261.1.2 ObjectPath Properties

3.2.5.261.1.2.1 Site

Type: Microsoft.SharePoint.Client.Site

Accessibility: Read Only

Specifies the site collection that is the target of the request from an app (2).

It MUST NOT be NULL.

3.2.5.261.1.2.2 Web

Type: Microsoft.SharePoint.Client.Web

Accessibility: Read Only

Specifies the site that is the target of the request from an app (2).

It MUST NOT be NULL.

3.2.5.261.2 Methods

3.2.5.261.2.1 Scalar Methods

None.

3.2.5.261.2.2 ObjectPath Methods

3.2.5.261.2.2.1 CSOM Constructor

Instantiates an instance of type **AppContextSite** (section [3.2.5.261](#)).

Parameters:

siteUrl: The absolute URL for the site collection.

Type: CSOM String

3.2.5.262 Microsoft.SharePoint.Client.Analytics.AnalyticsUsageEntry

TypeId: {47228DF5-E073-47CA-97A8-A0537B77A1DF}

ShortName: SP.Analytics.AnalyticsUsageEntry

Specifies an analytics usage entry to log user or system events. [<235>](#)

3.2.5.262.1 Properties

3.2.5.262.1.1 Scalar Properties

None.

3.2.5.262.1.2 ObjectPath Properties

None.

3.2.5.262.2 Methods

3.2.5.262.2.1 Scalar Methods

3.2.5.262.2.1.1 LogAnalyticsAppEvent

This method is a static CSOM method.

Return Type: None

Creates and logs an analytics event into the analytics pipeline.

Parameters:

appEventTypeId: The event type identifier of the analytics event to be created.

Type: CSOM GUID

itemId: The identifier of the item for which the event is being logged.

Type: CSOM String

MUST be less than or equal to 260 characters.

3.2.5.262.2.1.2 LogAnalyticsAppEvent2

This method is a static CSOM method.

Return Type: None

Creates and logs an analytics event into the analytics pipeline with additional parameters.

Parameters:

appEventTypeId: The event type identifier of the analytics event to be created.

Type: CSOM GUID

itemId: The identifier of the item for which the event is being logged.

Type: CSOM String

MUST be less than or equal to 260 characters.

rollupScopeId: The identifier of a rollup scope. Events for different items with the same rollup scope can be aggregated together at that rollup scope in addition to being counted just at the item scope.

Type: CSOM GUID

siteId: The identifier of the item's site.

Type: CSOM GUID

userId: The identifier of the user generating the event.

Type: CSOM String

MUST be less than or equal to 260 characters.

3.2.5.262.2.1.3 LogAnalyticsEvent

This method is a static CSOM method.

Return Type: None

Creates and logs an analytics event into the analytics pipeline.

Parameters:

eventTypeId: The event type identifier of the analytics event to create.

Type: CSOM Int32

MUST be one of the values specified by Microsoft.SharePoint.Client.Analytics.EventTypeId.

itemId: The identifier of the item for which the event is being logged for.

Type: CSOM String

MUST be less than or equal to 260 characters.

3.2.5.262.2.1.4 LogAnalyticsEvent2

This method is a static CSOM method.

Return Type: None

Creates and logs an analytics event into the analytics pipeline with additional parameters.

Parameters:

eventTypeId: The event type identifier of the analytics event to create

Type: CSOM Int32

MUST be one of the values specified by `Microsoft.SharePoint.Client.Analytics.EventTypeId`.

itemId: The identifier of the item for which the event is being logged for.

Type: CSOM String

MUST be less than or equal to 260 characters.

rollupScopeId: The identifier of a rollup scope. Events for different items with the same rollup scope can be aggregated together at that rollup scope in addition to being counted just at the item scope.

Type: CSOM GUID

siteId: The identifier of the item's site.

Type: CSOM GUID

userId: The identifier of the user generating the event.

Type: CSOM String

MUST be less than or equal to 260 characters.

3.2.5.262.2 ObjectPath Methods

None.

3.2.5.263 Microsoft.SharePoint.Client.UrlZone

ShortName: SP.UrlZone

Flag: false

Represents a location in the topology of the farm.

3.2.5.263.1 Field Values

3.2.5.263.1.1 DefaultZone

Value: 0

Specifies the default zone used for requests unless another zone is specified.

3.2.5.263.1.2 Intranet

Value: 1

Specifies an intranet zone.

3.2.5.263.1.3 Internet

Value: 2

Specifies an internet zone.

3.2.5.263.1.4 Custom

Value: 3

Specifies a custom zone.

3.2.5.263.1.5 Extranet

Value: 4

Specifies an extranet zone.

3.2.5.264 Microsoft.SharePoint.Client.WebParts.TileData

TypeId: {9786D53B-4147-4E57-9D94-1D9F335D42B3}

ShortName: SP.WebParts.TileData

Represents a Tile that describes a graphical link the user can click.

3.2.5.264.1 Properties

3.2.5.264.1.1 Scalar Properties

3.2.5.264.1.1.1 BackgroundImageLocation

Type: CSOM String

Accessibility: Read/Write

Specifies the URL of the Tile background image.

3.2.5.264.1.1.2 Description

Type: CSOM String

Accessibility: Read/Write

Specifies the text that describes a Tile.

3.2.5.264.1.1.3 ID

Type: CSOM Int32

Accessibility: Read/Write

Species a unique number that represents the Tile in a list of Tiles.

3.2.5.264.1.1.4 LinkLocation

Type: CSOM String

Accessibility: Read/Write

Specifies the URL location of the navigation that happens on Tile click.

3.2.5.264.1.1.5 TileOrder

Type: CSOM Int32

Accessibility: Read/Write

Specifies a number that indicates the ordering of the Tile in a list of Tiles.

3.2.5.264.1.1.6 Title

Type: CSOM String

Accessibility: Read/Write

Specifies the title of the Tile.

3.2.5.264.1.2 ObjectPath Properties

None.

3.2.5.265 Microsoft.SharePoint.Client.AppPrincipal

TypeId: {A19A4C61-D4C0-4100-9D47-A04BE33AF6F1}

ShortName: SP.AppPrincipal

Represents a single app principal.

3.2.5.265.1 Properties

3.2.5.265.1.1 Scalar Properties

3.2.5.265.1.1.1 DisplayName

Type: CSOM String

Accessibility: Read Only

The display name of the app principal.

3.2.5.265.1.1.2 EndpointAuthorities

Type: CSOM array of CSOM String

Accessibility: Read Only

The endpoints of the app.

The value is a list of hostname[:port].

3.2.5.265.1.1.3 NameIdentifier

Type: CSOM String

Accessibility: Read Only

The name identifier of the app principal.

3.2.5.265.1.1.4 RedirectAddresses

Type: CSOM array of CSOM String

Accessibility: Read Only

The redirect URI associated with the app.

The authorization server sends the end user back to the redirect URI once the access is granted or denied.

3.2.5.265.1.2 ObjectPath Properties

None.

3.2.5.265.2 Methods

3.2.5.265.2.1 Scalar Methods

None.

3.2.5.265.2.2 ObjectPath Methods

None.

3.2.5.266 Microsoft.SharePoint.Client.AppPrincipalConfiguration

TypeId: {358F59EE-7E98-4CC0-9F40-A160CCF3879F}

ShortName: SP.AppPrincipalConfiguration

Represents the configuration associated with an app principal.

3.2.5.266.1 Properties

3.2.5.266.1.1 Scalar Properties

3.2.5.266.1.1.1 ApplicationEndpointAuthorities

Type: CSOM array of CSOM String

Accessibility: Read/Write

The list of endpoint authorities exposed by the principal.

3.2.5.266.1.1.2 ApplicationPrincipalNames

Type: CSOM array of CSOM String

Accessibility: Read/Write

The list of principal names.

3.2.5.266.1.1.3 NameIdentifier

Type: CSOM String

Accessibility: Read/Write

The name of the principal.

3.2.5.266.1.1.4 RedirectAddresses

Type: CSOM array of CSOM String

Accessibility: Read/Write

The list of redirect addresses of the principal.

3.2.5.266.1.2 ObjectPath Properties

None.

3.2.5.267 Microsoft.SharePoint.Client.AppPrincipalCredential

TypeId: {9C0B9F8A-D87B-431D-BC10-D0F0B4AFC79C}

ShortName: SP.AppPrincipalCredential

Represents a credential belonging to an app principal.

3.2.5.267.1 Properties

3.2.5.267.1.1 Scalar Properties

None.

3.2.5.267.1.2 ObjectPath Properties

None.

3.2.5.267.2 Methods

3.2.5.267.2.1 Scalar Methods

None.

3.2.5.267.2.2 ObjectPath Methods

3.2.5.267.2.2.1 CreateFromKeyGroup

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.AppPrincipalCredential

Create an instance of **SPAppPrincipalCredential** that wraps a key group identifier.

Parameters:

keyGroupIdentifier: The key group identifier.

Type: CSOM GUID

3.2.5.267.2.2.2 CreateFromSymmetricKey

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.AppPrincipalCredential

Create an instance of **SPAppPrincipalCredential** that wraps a key group identifier.

Parameters:

symmetricKey: The symmetric key of the app principal credential.

Type: CSOM String

notBefore: The earliest time when the key is valid.

Type: CSOM DateTime

notAfter: The time when the key expires.

Type: CSOM DateTime

3.2.5.268 Microsoft.SharePoint.Client.AppPrincipalCredentialReference

TypeId: {AAF308B2-EBDD-4A5B-BE65-01BB0EC8C5BE}

ShortName: SP.AppPrincipalCredentialReference

Represents a reference to a credential for an app principal.

3.2.5.268.1 Properties

3.2.5.268.1.1 Scalar Properties

3.2.5.268.1.1.1 Id

Type: CSOM GUID

Accessibility: Read/Write

The unique identifier of the app principal credential.

3.2.5.268.1.1.2 NameIdentifier

Type: CSOM String

Accessibility: Read/Write

The name of the app principal credential.

3.2.5.268.1.1.3 NotAfter

Type: CSOM DateTime

Accessibility: Read/Write

The earliest time when the app principal credential is valid.

3.2.5.268.1.1.4 NotBefore

Type: CSOM DateTime

Accessibility: Read/Write

The time when the app principal credential expires.

3.2.5.268.1.2 ObjectPath Properties

None.

3.2.5.269 Microsoft.SharePoint.Client.AppPrincipalIdentityProvider

TypeId: {3CC457AE-D404-4747-8B95-C6F86BFD1842}

ShortName: SP.AppPrincipalIdentityProvider

Represents an identity provider for app principals.

3.2.5.269.1 Properties

3.2.5.269.1.1 Scalar Properties

None.

3.2.5.269.1.2 ObjectPath Properties

3.2.5.269.1.2.1 External

Type: Microsoft.SharePoint.Client.AppPrincipalIdentityProvider

Accessibility: Read Only

The external app principal identity provider.

3.2.5.269.2 Methods

3.2.5.269.2.1 Scalar Methods

None.

3.2.5.269.2.2 ObjectPath Methods

None.

3.2.5.270 Microsoft.SharePoint.Client.AppPrincipalManager

TypeId: {1DAEE121-93EA-40E6-AAD2-15252287F09A}

ShortName: SP.AppPrincipalManager

Represents a top level object used to manage app principals.

3.2.5.270.1 Properties

3.2.5.270.1.1 Scalar Properties

None.

3.2.5.270.1.2 ObjectPath Properties

None.

3.2.5.270.2 Methods

3.2.5.270.2.1 Scalar Methods

3.2.5.270.2.1.1 AddAppPrincipalCredential

Return Type: None

Add a new credential for an existing app principal.

Parameters:

appPrincipal: The app principal.

Type: Microsoft.SharePoint.Client.AppPrincipal

credential: The credential to add

Type: Microsoft.SharePoint.Client.AppPrincipalCredential

3.2.5.270.2.1.2 DeleteAppPrincipal

Return Type: None

Delete an app principal.

Parameters:

appPrincipal: The app principal to delete.

Type: Microsoft.SharePoint.Client.AppPrincipal

3.2.5.270.2.1.3 DeleteAppPrincipalCredential

Return Type: None

Delete an existing credential for an app principal.

Parameters:

credentialReference: A reference to the credential to be deleted

Type: Microsoft.SharePoint.Client.AppPrincipalCredentialReference

3.2.5.270.2.1.4 GetAppPrincipalConfiguration

Return Type: Microsoft.SharePoint.Client.AppPrincipalConfiguration

Get the configuration associated with the specified app principal.

Parameters:

appPrincipal: The app principal

Type: Microsoft.SharePoint.Client.AppPrincipal

3.2.5.270.2.1.5 GetAppPrincipalCredentials

Return Type: CSOM array of Microsoft.SharePoint.Client.AppPrincipalCredentialReference

Get a reference to each credential associated with an app principal.

Parameters:

appPrincipal: The app principal

Type: Microsoft.SharePoint.Client.AppPrincipal

3.2.5.270.2.1.6 SetAppPrincipalConfiguration

Return Type: None

Set the configuration associated with the specified app principal.

Parameters:

appPrincipalConfiguration: The configuration to be associated with the app principal.

Type: Microsoft.SharePoint.Client.AppPrincipalConfiguration

3.2.5.270.2.2 ObjectPath Methods

3.2.5.270.2.2.1 CreateAppPrincipal

Return Type: Microsoft.SharePoint.Client.AppPrincipal

Create an app principal.

Parameters:

parameters: The collection of input parameters used to create a new app principal.

Type: Microsoft.SharePoint.Client.ExternalAppPrincipalCreationParameters

3.2.5.270.2.2.2 GetManager

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.AppPrincipalManager

Create a new instance of AppPrincipalManager

Parameters:

web: The context object required to manage app principals.

Type: Microsoft.SharePoint.Client.Web

3.2.5.270.2.2.3 LookupAppPrincipal

Return Type: Microsoft.SharePoint.Client.AppPrincipal

Looks up an app principal.

Parameters:

identityProvider: The identity provider of the app principal.

Type: Microsoft.SharePoint.Client.AppPrincipalIdentityProvider

appPrincipalName: The app principal name

Type: Microsoft.SharePoint.Client.AppPrincipalName

3.2.5.271 Microsoft.SharePoint.Client.AppPrincipalName

TypeId: {2F631229-B71E-4DDF-83D6-96D290D0FC57}

ShortName: SP.AppPrincipalName

Represents the name of an app principal.

3.2.5.271.1 Properties

3.2.5.271.1.1 Scalar Properties

None.

3.2.5.271.1.2 ObjectPath Properties

None.

3.2.5.271.2 Methods

3.2.5.271.2.1 Scalar Methods

None.

3.2.5.271.2.2 ObjectPath Methods

3.2.5.271.2.2.1 CreateFromAppPrincipalIdentifier

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.AppPrincipalName

Creates an instance from the specified app principal identifier.

Parameters:

appPrincipalIdentifier: The app principal identifier of the desired app principal.

Type: CSOM String

3.2.5.271.2.2.2 CreateFromNameIdentifier

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.AppPrincipalName

Creates an instance from the specified name identifier.

Parameters:

nameIdentifier: The name identifier of the desired app principal.

Type: CSOM String

3.2.5.272 Microsoft.SharePoint.Client.ExternalAppPrincipalCreationParameters

TypeId: {5D3A2EAE-4870-414E-B9AE-8F1904B28408}

ShortName: SP.ExternalAppPrincipalCreationParameters

Represents the parameters used to create a new external app principal.

3.2.5.272.1 Properties

3.2.5.272.1.1 Scalar Properties

3.2.5.272.1.1.1 AppIdentifier

Type: CSOM String

Accessibility: Read/Write

The unique identifier of the app principal.

3.2.5.272.1.1.2 ApplicationEndpointAuthorities

Type: CSOM array of CSOM String

Accessibility: Read/Write

The list of hostname[:port] strings that expose app endpoints.

3.2.5.272.1.1.3 DisplayName

Type: CSOM String

Accessibility: Read/Write

The display name of the app principal.

3.2.5.272.1.1.4 RedirectAddresses

Type: CSOM array of CSOM String

Accessibility: Read/Write

The list of redirect addresses for the app principal.

3.2.5.272.1.1.5 TrustedForDelegation

Type: CSOM Boolean

Accessibility: Read/Write

This value is true if and only if the app principal is trusted for delegation.

3.2.5.272.1.2 ObjectPath Properties

3.2.5.272.1.2.1 Credential

Type: Microsoft.SharePoint.Client.AppPrincipalCredential

Accessibility: Read/Write

The credential to associate with the new app principal.

3.2.5.273 Microsoft.SharePoint.Client.SiteHealth.SiteHealthStatusType

ShortName: SP.SiteHealth.SiteHealthStatusType

Flag: false

Specifies the success or failure mode of a site collection health rule. [<236>](#)

3.2.5.273.1 Field Values

3.2.5.273.1.1 Passed

Value: 0

Specifies that the site collection health rule passed. Site collection upgrade is not blocked by this site collection health rule.

3.2.5.273.1.2 FailedWarning

Value: 1

Specifies that the site collection health rule failed with a warning. Site collection upgrade is not blocked by this site collection health rule.

3.2.5.273.1.3 FailedError

Value: 2

Specifies that the site collection health rule failed with an error. Site collection upgrade is blocked by this site collection health rule.

3.2.5.274 Microsoft.SharePoint.Client.Utilities.LogAppErrorResult

ShortName: SP.Utilities.LogAppErrorResult

Flag: false

Specifies the success or failure result of logging a custom error by an app (2).<237>

3.2.5.274.1 Field Values

3.2.5.274.1.1 Success

Value: 0

Specifies that the error logging succeeded.

3.2.5.274.1.2 ErrorsThrottled

Value: -1

Specifies that the current error was not logged successfully because there are too many errors reported.

3.2.5.274.1.3 AccessDenied

Value: -2

Specifies that the current error was not logged successfully because an authorization error occurred.

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 (1) 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 (1) from the context.
3. Request the properties for the associated **Web** object (1).

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" />
    <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 (1) 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 (1) from the context.
3. Get the **List** object (1) from the **Web** object (1).
4. Update the description of the **List** object (1).

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 (1) is added to an existing **ListCollection** object (1). The following steps provide an overview of adding a **List** to a **ListCollection** object (1).

1. Get the context from the server that corresponds to the URL where the service is called.
2. Get the **Web** object (1) from the context.
3. Get the **ListCollection** object (1) from the **Web** object (1).
4. Create new **List** object (1).
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>
```

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 (1) 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>
    </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>
  <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" />&gt;</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 (1) on the protocol server. However, the current user does not have permissions to perform this operation, so deleting a site 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 (1).
2. Get the **Web** object (1) from the **Site** object (1).
3. Execute **delete** operation on the **Web** object (1).

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.

Preliminary

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
- Microsoft SharePoint Foundation 2013
- Microsoft SharePoint Server 2016 Preview

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 3.2.1.2](#): This relationship is available only in SharePoint Foundation 2013.

[<2> Section 3.2.5.3.1.5](#): The **DiscussionBoard** base type is deprecated. SharePoint Foundation 2010 uses the **GenericList** base type for discussion boards.

[<3> Section 3.2.5.5.1.16](#): This field value is available only in SharePoint Foundation 2013.

[<4> Section 3.2.5.27.1.1.17](#): This property is available only in SharePoint Foundation 2013.

[<5> Section 3.2.5.27.1.1.18](#): This property is available only in SharePoint Foundation 2013.

[<6> Section 3.2.5.27.1.1.19](#): This property is available only in SharePoint Foundation 2013.

[<7> Section 3.2.5.35.2.2.1](#): SharePoint Foundation 2010 will throw System.ArgumentException (-2147024809 "featdefScope") for FeatureDefinitionScope.Farm.

[<8> Section 3.2.5.37.2.1.7](#): This method is available only in SharePoint Foundation 2013.

[<9> Section 3.2.5.38.2.1.7](#): This method is available only in SharePoint Foundation 2013.

[<10> Section 3.2.5.40.2.1.7](#): This method is available only in SharePoint Foundation 2013.

[<11> Section 3.2.5.41.2.2.7](#): This method is available only in SharePoint Foundation 2013.

[<12> Section 3.2.5.41.2.2.8](#): This method is available only in SharePoint Foundation 2013.

[<13> Section 3.2.5.41.2.2.9](#): This method is available only in SharePoint Foundation 2013.

[<14> Section 3.2.5.42.2.1.7](#): This method is available only in SharePoint Foundation 2013.

[<15> Section 3.2.5.43.2.1.7](#): This method is available only in SharePoint Foundation 2013.

[<16> Section 3.2.5.44.1.1.28](#): This property is available only in SharePoint Foundation 2013.

[<17> Section 3.2.5.44.2.1.7](#): This method is available only in SharePoint Foundation 2013.

[<18> Section 3.2.5.45.2.1.7](#): This method is available only in SharePoint Foundation 2013.

[<19> Section 3.2.5.46.1.1.5](#): This property is available only in SharePoint Foundation 2013.

<20> [Section 3.2.5.47.2.2.2](#): This method is available only in SharePoint Foundation 2013.

<21> [Section 3.2.5.49.1.1.33](#): This property is available only in SharePoint Foundation 2013.

<22> [Section 3.2.5.49.2.1.7](#): This method is available only in SharePoint Foundation 2013.

<23> [Section 3.2.5.51.2.1.7](#): This method is available only in SharePoint Foundation 2013.

<24> [Section 3.2.5.52.2.1.7](#): This method is available only in SharePoint Foundation 2013.

<25> [Section 3.2.5.53.2.1.7](#): This method is available only in SharePoint Foundation 2013.

<26> [Section 3.2.5.54.2.1.7](#): This method is available only in SharePoint Foundation 2013.

<27> [Section 3.2.5.57.2.1.7](#): This method is available only in SharePoint Foundation 2013.

<28> [Section 3.2.5.58.1.33](#): This field value is available only in SharePoint Foundation 2013.

<29> [Section 3.2.5.58.1.34](#): This field value is available only in SharePoint Foundation 2013.

<30> [Section 3.2.5.59.2.1.7](#): This method is available only in SharePoint Foundation 2013.

<31> [Section 3.2.5.61.2.1.7](#): This method is available only in SharePoint Foundation 2013.

<32> [Section 3.2.5.64.1.1.16](#): This property is available only in SharePoint Foundation 2013.

<33> [Section 3.2.5.64.2.1.11](#): This method is available only in SharePoint Foundation 2013.

<34> [Section 3.2.5.64.2.1.12](#): This method is available only in SharePoint Foundation 2013.

<35> [Section 3.2.5.66.1.1.4](#): This property is available only in SharePoint Foundation 2013.

<36> [Section 3.2.5.68.1.1.4](#): This property is available only in SharePoint Foundation 2013.

<37> [Section 3.2.5.70.2.1.1](#): This method is available only in SharePoint Foundation 2013.

<38> [Section 3.2.5.71.2.2.1](#): This method is available only in SharePoint Foundation 2013.

<39> [Section 3.2.5.72.1.2.4](#): This method is available only in SharePoint Foundation 2013.

<40> [Section 3.2.5.72.1.2.5](#): This property is available only in SharePoint Foundation 2013.

<41> [Section 3.2.5.73.2.2.2](#): This method is available only in SharePoint Foundation 2013.

<42> [Section 3.2.5.76.1.1.15](#): This property is available only in SharePoint Foundation 2013.

<43> [Section 3.2.5.77.2.1.2](#): This method is available only in SharePoint Foundation 2013.

<44> [Section 3.2.5.77.2.1.3](#): This method is available only in SharePoint Foundation 2013.

<45> [Section 3.2.5.77.2.2.3](#): This method is available only in SharePoint Foundation 2013.

<46> [Section 3.2.5.79.1.1.45](#): This property is available only in SharePoint Foundation 2013.

<47> [Section 3.2.5.79.1.1.46](#): This property is available only in SharePoint Foundation 2013.

<48> [Section 3.2.5.79.1.1.47](#): This property is available only in SharePoint Foundation 2013.

<49> [Section 3.2.5.79.1.1.48](#): This property is available only in SharePoint Foundation 2013.

<50> [Section 3.2.5.79.1.1.49](#): This property is available only in SharePoint Foundation 2013.

<51> [Section 3.2.5.79.1.1.50](#): This property is available only in SharePoint Foundation 2013.

[<52> Section 3.2.5.79.1.2.10](#): This property is available only in SharePoint Foundation 2013.

[<53> Section 3.2.5.79.1.2.11](#): This property is available only in SharePoint Foundation 2013.

[<54> Section 3.2.5.79.1.2.12](#): This property is available only in SharePoint Foundation 2013.

[<55> Section 3.2.5.79.1.2.13](#): This property is available only in SharePoint Foundation 2013.

[<56> Section 3.2.5.79.2.1.6](#): This method is available only in SharePoint Foundation 2013.

[<57> Section 3.2.5.79.2.1.7](#): This method is available only in SharePoint Foundation 2013.

[<58> Section 3.2.5.79.2.1.8](#): This method is available only in SharePoint Foundation 2013.

[<59> Section 3.2.5.79.2.1.9](#): This method is available only in SharePoint Foundation 2013.

[<60> Section 3.2.5.79.2.2.8](#): This method is available only in SharePoint Foundation 2013.

[<61> Section 3.2.5.87.1.1.6](#): This property is available only in SharePoint Foundation 2013.

[<62> Section 3.2.5.87.1.2.8](#): This property is available only in SharePoint Foundation 2013.

[<63> Section 3.2.5.87.1.2.9](#): This property is available only in SharePoint Foundation 2013.

[<64> Section 3.2.5.87.1.2.10](#): This property is available only in SharePoint Foundation 2013.

[<65> Section 3.2.5.92.2.2.1](#): This method is available only in SharePoint Foundation 2013.

[<66> Section 3.2.5.93.1.53](#): This field value is available only in SharePoint Foundation 2013.

[<67> Section 3.2.5.93.1.54](#): This field value is available only in SharePoint Foundation 2013.

[<68> Section 3.2.5.93.1.55](#): This field value is available only in SharePoint Foundation 2013.

[<69> Section 3.2.5.93.1.58](#): This field value is available only in SharePoint Foundation 2013.

[<70> Section 3.2.5.93.1.59](#): This field value is available only in SharePoint Foundation 2013.

[<71> Section 3.2.5.95.2.2.1](#): This method is available only in SharePoint Foundation 2013.

[<72> Section 3.2.5.96.1.1.4](#): This property is available only in SharePoint Foundation 2013.

[<73> Section 3.2.5.96.1.1.5](#): This property is available only in SharePoint Foundation 2013.

[<74> Section 3.2.5.97.2.1.1](#): This method is available only in SharePoint Foundation 2013.

[<75> Section 3.2.5.97.2.2.2](#): This method is available only in SharePoint Foundation 2013.

[<76> Section 3.2.5.97.2.2.3](#): This method is available only in SharePoint Foundation 2013.

[<77> Section 3.2.5.100.1.1.5](#): This property is available only in SharePoint Foundation 2013.

[<78> Section 3.2.5.106.1.11](#): This field value is available only in SharePoint Foundation 2013.

[<79> Section 3.2.5.111.1.1.1](#): This property is available only in SharePoint Foundation 2013.

[<80> Section 3.2.5.112.1.2.1](#): This property is available only in SharePoint Foundation 2013.

[<81> Section 3.2.5.112.2.1.1](#): This method is available only in SharePoint Foundation 2013.

[<82> Section 3.2.5.112.2.1.2](#): This method is available only in SharePoint Foundation 2013.

[<83> Section 3.2.5.114.2.2.1](#): This method is available only in SharePoint Foundation 2013.

[<84> Section 3.2.5.114.2.2.2](#): This method is available only in SharePoint Foundation 2013.

[<85> Section 3.2.5.118.1.2.2](#): This property is available only in SharePoint Foundation 2013.

[<86> Section 3.2.5.119.1.1.11](#): This property is available only in SharePoint Foundation 2013.

[<87> Section 3.2.5.119.1.1.12](#): This property is available only in SharePoint Foundation 2013.

[<88> Section 3.2.5.119.1.1.13](#): This property is available only in SharePoint Foundation 2013.

[<89> Section 3.2.5.119.1.1.14](#): This property is available only in SharePoint Foundation 2013.

[<90> Section 3.2.5.119.1.1.15](#): This property is available only in SharePoint Foundation 2013.

[<91> Section 3.2.5.119.1.1.16](#): This property is available only in SharePoint Foundation 2013.

[<92> Section 3.2.5.119.1.2.5](#): This property is available only in SharePoint Foundation 2013.

[<93> Section 3.2.5.119.1.2.6](#): This property is available only in SharePoint Foundation 2013.

[<94> Section 3.2.5.119.2.1.1](#): This method is available only in SharePoint Foundation 2013.

[<95> Section 3.2.5.119.2.1.2](#): This method is available only in SharePoint Foundation 2013.

[<96> Section 3.2.5.119.2.1.3](#): This method is available only in SharePoint Foundation 2013.

[<97> Section 3.2.5.119.2.1.4](#): This method is available only in SharePoint Foundation 2013.

[<98> Section 3.2.5.119.2.1.5](#): This method is available only in SharePoint Foundation 2013.

[<99> Section 3.2.5.119.2.2.6](#): This method is available only in SharePoint Foundation 2013.

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[<234> Section 3.2.5.253.2.1.2](#): This parameter is available only in SharePoint Foundation 2013. The following providers are supported: SPNavigationProvider, AdministrationQuickLaunchProvider, SharedServicesQuickLaunchProvider, GlobalNavSiteMapProvider, CombinedNavSiteMapProvider, CurrentNavSiteMapProvider, CurrentNavSiteMapProviderNoEncode, GlobalNavigation, CurrentNavigation, MySitePersonalQuickLaunchProvider, MySiteHostTopNavigationProvider, GlobalNavigationSwitchableProvider, CurrentNavigationSwitchableProvider, GlobalNavigationTaxonomyProvider, CurrentNavigationTaxonomyProvider, MySiteMapProvider, MySiteLeftNavProvider, MySiteDocumentStaticProvider, MySiteSitesPageStaticProvider, MySiteSubNavProvider, EduTopNavProvider, MySiteHostQuickLaunchProvider.

[<235> Section 3.2.5.262](#): This object and its properties and methods are available only in SharePoint Foundation 2013.

[<236> Section 3.2.5.273](#): This object and its fields are available only in SharePoint Foundation 2013.

[<237> Section 3.2.5.274](#): This object and its fields are available only in SharePoint Foundation 2013.

Preliminary

7 Change Tracking

This section identifies changes that were made to this document since the last release. Changes are classified as New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements or functionality.
- The removal of a document from the documentation set.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **Editorial** means that the formatting in the technical content was changed. Editorial changes apply to grammatical, formatting, and style issues.

The revision class **No change** means that no new technical changes were introduced. Minor editorial and formatting changes may have been made, but the technical content of the document is identical to the last released version.

Major and minor changes can be described further using the following change types:

- New content added.
- Content updated.
- Content removed.
- New product behavior note added.
- Product behavior note updated.
- Product behavior note removed.
- New protocol syntax added.
- Protocol syntax updated.
- Protocol syntax removed.
- New content added due to protocol revision.
- Content updated due to protocol revision.
- Content removed due to protocol revision.
- New protocol syntax added due to protocol revision.
- Protocol syntax updated due to protocol revision.
- Protocol syntax removed due to protocol revision.
- Obsolete document removed.

Editorial changes are always classified with the change type **Editorially updated**.

Some important terms used in the change type descriptions are defined as follows:

- **Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.
- **Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

The changes made to this document are listed in the following table. For more information, please contact dochelp@microsoft.com.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
6 Appendix A: Product Behavior	Updated list of supported products.	Y	Content updated due to protocol revision.

Preliminary

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