[MS-CSOMSPT]:

SharePoint Client-Side Object Model Protocol

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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 1.5, 1.8, 1.9, 2, and 3 of this specification are normative. All other sections and examples in this specification are informative.

1.1 Glossary

This document uses the following terms:

absolute path: A string that identifies the location of a file and that begins with a drive identifier and root directory or network share and ends with the complete file name. Examples are C:\Documents\Work\example.txt and \\netshare\Documents\Work\example.txt.

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/.

access control list (ACL): A list of access control entries (ACEs) that collectively describe the security rules for authorizing access to some resource; for example, an object or set of objects.

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.

anonymous access link: An implementation of tokenized sharing link that can allow users to gain guest access to content, such as a document or folder, without sign-in when using the specific tokenized sharing link.

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

(2) See **SharePoint Add-in**.

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.

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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 on a Message object that is not visible to recipients of the Message object.

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.

canonical URL: An **absolute URL** that identifies a space, tool, or component the same way on any device.

carbon copy (Cc) recipient: An address on a Message object that is visible to recipients of the Message object but is not necessarily expected to take any action.

cascading style sheet (CSS): An extension to **HTML** that enables authors and users of HTML documents to attach style sheets to those documents, as described in [CSS-LEVEL1] and [CSS-LEVEL2]. A style sheet includes typographical information about the appearance of a page, including the font for text on the page.

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.

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.

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

Collaborative Application Markup Language (CAML): An XML-based language that is used to describe various elements, such as queries and views, in sites that are based on SharePoint Products and Technologies.

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.

column: See field.

comment: An annotation that is associated with a cell, text, or other object to provide context-specific information or reviewer feedback.

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: The user who creates protected content.

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

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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".

CSOM UInt64: A 64-bit, unsigned integer value, which is the UINT64 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 UInt64 values is from "0" to "18446744073709551615".

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.

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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.

datetime: A data type that represents the date and time when a document can be normalized and indexed as a numeric value by a search application. The range and degree of granularity varies according to search application and implementation.

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.

dictionary: A collection of key/value pairs. Each pair consists of a unique key and an associated value. Values in the dictionary are retrieved by providing a key for which the dictionary returns the associated value.

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 (2)**. Each object is identified by a **URI**.

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document identifier: A GUID that identifies a document.

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

document template: (1) A file that serves as the basis for new documents.

(2) A file that contains predefined formatting, layout, text, or graphics and that serves as the basis for new documents with a similar design or purpose.

domain name: The name given by an administrator to a collection of networked computers that share a common directory. Part of the domain naming service naming structure, domain names consist of a sequence of name labels separated by periods.

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.

editor: The user who last modified an item or document in a SharePoint list.

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.

End User License Agreement (EULA): A textual description of the terms that a user or administrator accepts before an update is installed. Each **EULA** is identified by a **GUID**, and each update revision might be associated with a **EULA**.

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

entity: An instance of an EntityType element that has a unique identity and an independent existence. An entity is an operational unit of consistency.

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.

Extensible Stylesheet Language (XSL): An **XML** vocabulary that is used to transform XML data to another form, such as **HTML**, by means of a style sheet that defines presentation rules.

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.

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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 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 are to be used to open a **file**.

file system: A set of data structures for naming, organizing, and storing files in a volume. NTFS, FAT, and FAT32 are examples of file system types.

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.

first-stage Recycle Bin: A container for items that were deleted. Items in this container are visible only to users with the appropriate permission and site collection administrators.

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 strikeout), 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**.

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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.

full URL: A string of characters in a standardized format that identifies a document or resource on the World Wide Web.

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] have to 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.

image: A rectangular grid of pixels that has a definite height and a definite width and that can be displayed in a report.

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

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Information Rights Management (IRM): A technology that provides persistent protection to digital data by using encryption, certificates, 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 [RFC7159]. The JSON format is based on the structure of ECMAScript (Jscript, JavaScript) objects.

key value pair (KVP): A set of two linked data items: a key that is an identifier for some data item, and a value that is a value associated with the data item for the identifier represented by the key.

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.

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

link: An attribute 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.

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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.

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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 ReturnTypeDescriptor. MethodInstances are contained by Methods.

MIME type: A method that is used by protocol clients to associate files of a certain type with applications that can open or access files of that type.

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.

Mount: To move physical media from a library slot to a drive.

mount point: See **mounted folder**.

mounted folder: A file system directory that contains a linked path to a second volume. A user can link a path on one volume to another. For example, given two volumes C: and D:, a user can create a directory or folder C:\mountD and link that directory with volume D:. The path C:\MountD can then be used to access the root folder of volume D:.

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.

OAuth: The OAuth 2.0 authorization framework [RFC6749].

object: (1) A set of attributes, 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

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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 can 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.

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

organization access link: An implementation of tokenized sharing link that can grant a signed-in user explicit access to content, such as a document or folder, when using the specific tokenized sharing link, so that they can directly access the content in future requests.

owner: A security principal 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.

policy tip: A message that is displayed in the client user interface to inform the user that an email does not comply with an email policy configured on the server.

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.

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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: A process in which SMP releases a Session object so that the session identifier (SID) in use is made available again for a new session.

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.

recycling: To permanently disable the creation of new component instances in an instance container.

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

regional settings: See locale settings.

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.

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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.

second-stage Recycle Bin: A container for items that were deleted from a **first-stage Recycle Bin**. Items in a second-stage Recycle Bin are visible only to site collection administrators.

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

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

security scope: A tree structure of objects in which every object has the same security settings as the root.

security trimming: The process of filtering search results by checking the access control list (ACL) for a resource and displaying only those resources that a user has permission to view.

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.

SharePoint Add-in: 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.

site: (1) A group of related webpages that is hosted by a server on the World Wide Web or an intranet. Each website has its own entry points, metadata, administration settings, and workflows. Also referred to as web site.

(2) 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.

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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.

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task: A component of an action 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.

tokenized sharing link: A specialized URL where a unique server generated opaque string value for a resource is embedded within the path or as a parameter, for the purposes of granting access whenever the URL is used to access the content. Depending on the supported abilities of the server, a tokenized sharing link can potentially behave like an anonymous access link, an organization access link, or with other behaviors as defined by the implementor.

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 window displaying text that is created when the mouse is moved over a window or notification icon.

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.

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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.

URL encode: The process of encoding characters that have reserved meanings for a **Uniform Resource Locator (URL)**, as described in [RFC1738].

user: (1) A person who employs a web browser requestor to access a WS resource.

(2) The real person who has a member account. The user is **authenticated** by being asked to prove knowledge of the secret password associated with the user name.

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 display name: A user profile property that contains the preferred name of a user. See also **display name**.

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

UTC (Coordinated Universal Time): 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).

value: A data element associated with a key.

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 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.

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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 [XML10/5], 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 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.

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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-262-1999] Ecma International, "ECMAScript Language Specification", Standard ECMA-262 3rd Edition - December 1999, http://www.ecma-international.org/publications/files/ECMA-ST-ARCH/ECMA-262,%203rd%20edition,%20December%201999.pdf

[HTML] World Wide Web Consortium, "HTML 4.01 Specification", W3C Recommendation, December 1999, http://www.w3.org/TR/html4/

[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-FSSHTTPB] Microsoft Corporation, "Binary Requests for File Synchronization via SOAP Protocol".

[MS-FSSHTTP] Microsoft Corporation, "File Synchronization via SOAP over HTTP Protocol".

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

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

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[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, https://www.rfc-editor.org/info/rfc2119

[RFC2616] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, https://www.rfc-editor.org/info/rfc2616

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

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

[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".

1.3 Overview

This protocol defines types, methods, and properties that protocol clients use to access **site (2)**, **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].

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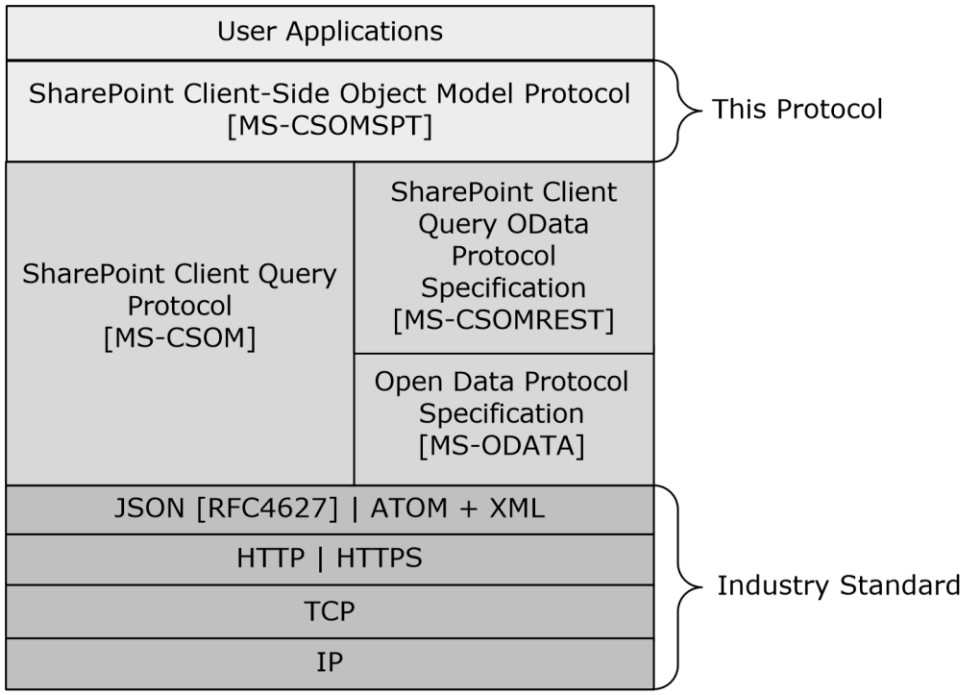

Figure 1: This protocol in relation to other protocols

1.5 Prerequisites/Preconditions

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

1.6 Applicability Statement

This protocol can be used by 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 in the context of a particular **site (2)**. 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 (2) 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

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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.

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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.

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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 (2)**, 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 (2)**, **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)
3.2.5.118 Microsoft.SharePoint.Client.SecurableObject	3.2.5.79 Microsoft.SharePoint.Client.List 3.2.5.87 Microsoft.SharePoint.Client.ListItem 3.2.5.143 Microsoft.SharePoint.Client.Web
3.2.5.37 Microsoft.SharePoint.Client.Field	3.2.5.38 Microsoft.SharePoint.Client.FieldCalculated 3.2.5.42 Microsoft.SharePoint.Client.FieldComputed 3.2.5.44 Microsoft.SharePoint.Client.FieldDateTime 3.2.5.45 Microsoft.SharePoint.Client.FieldGuid 3.2.5.49 Microsoft.SharePoint.Client.FieldLookup 3.2.5.51 Microsoft.SharePoint.Client.FieldMultiChoice 3.2.5.52 Microsoft.SharePoint.Client.FieldMultiLineText 3.2.5.53 Microsoft.SharePoint.Client.FieldNumber 3.2.5.57 Microsoft.SharePoint.Client.FieldText 3.2.5.59 Microsoft.SharePoint.Client.FieldUrl 3.2.5.185 Microsoft.SharePoint.Client.FieldGeolocation
3.2.5.49 Microsoft.SharePoint.Client.FieldLookup	3.2.5.61 Microsoft.SharePoint.Client.FieldUser

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

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**

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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**
Guid	**Guid**
Lookup User	**Int or int[]**
GridChoice	**FieldRatingScaleQuestionAnswer[]**
MultiChoice	**String[]**
URL	**FieldUrlValue**

3.2.1.4 Social features

The server maintains a store of social signals associated with each **list item**. Social features allow the users to comment or like a list item or a **documents**.

Likes and comments MAY be allowed to be added on the list item by any user with read permissions.

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For likes, the server maintains a list of Like entries for each list item. Each like entry includes:

Field	Description
Name	Name of the user who liked the list item
LoginName	**login name** of the user who liked the item
Id	Internal identifier of the user who liked the item. Each user MUST have unique internal identifier within a **sites (2)**
Email	**email address** of the user who liked the item
CreationDate	**Datetime** of when the user has liked the item

The server MUST NOT allow multiple like entries for the same user on the same list item.

Likes are maintained on any list item, including comment list items.

For comments, the server maintains a list of Comment entries for each list item. Each comment entry includes:

Field	Description
Id	**list item identifier** of the comment entry. MUST be unique for each comment entry on a site.
Text	Text of the comment
Author	User who made the comment
ListId	**list identifier** of the list item for which the comment is made
ItemId	list item identifier of the list item for which the comment is made
CreatedDate	Datetime when the comment was made
ParentId	Id of the parent comment. MUST be 0 for top level comments.
IsReply	MUST be TRUE for reply comments
ReplyCount	Number of reply comments. MUST be set on the parent comments of the reply comments.
IsLikedByUser	MUST be TRUE if the current user has liked the comment
LikedBy	List of users who liked the comment
Mentions	List of users mentioned in the comment

3.2.2 Timers

None.

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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

Same as **AddToDefaultContentType**.

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

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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 (2)**.
7	**ManageAlerts**	Manage **alerts** for all users of the site (2).
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 (2), **list**, **folder**, document, or **list item**.

3.2.5.2.1.1.2 Low

Type: **CSOM UInt32**

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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, documents to document libraries, and **Web discussion**.
3	**EditListItems**	Edit items in lists, 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, 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.
12	**ManageLists**	Create and delete lists, add or remove columns in a list, and add or remove **public views** of a list.
13	**ViewFormPages**	View **forms**, **views**, and application pages, and enumerate lists.
17	**Open**	Allow users to open a **site (2)**, list, 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).

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Bit Number	Permission Name	Explanation
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.
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)** 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

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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

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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

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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

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3.2.5.6.1.1 Scalar Properties

3.2.5.6.1.1.1 AllowIncrementalResults

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether the incremental results can be returned.

3.2.5.6.1.1.2 DatesInUtc

Type: **CSOM Boolean**

Accessibility: Read/Write

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

3.2.5.6.1.1.3 FolderServerRelativePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read/Write

Specifies the path to the folder from which to return items in the query.

3.2.5.6.1.1.4 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.

3.2.5.6.1.1.5 ListItemCollectionPosition

Type: Microsoft.SharePoint.Client.ListItemCollectionPosition

Accessibility: Read/Write

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

3.2.5.6.1.1.6 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.

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3.2.5.7 Microsoft.SharePoint.Client.Change

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

ShortName: SP.Change

Base class for a change. installation.

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

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 SP.ChangeToken that represents the change.

3.2.5.7.1.1.2 ChangeType

Type: Microsoft.SharePoint.Client.ChangeType

Accessibility: Read Only

Returns an SP.ChangeType 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 RelativeTime

Type: CSOM String

Accessibility: Read Only

A string representing a relative value of time.

The value is composed of two parts in the format "mode|timevalue".

If Mode is 0, the timevalue MUST be the text passed through as the display text for end user display.

If Mode is 1, the timevalue MUST be a relative display mode in the format “bFuture|bucket|args” using the following values:

- bFuture refers to whether time is later than UtcNow
- bucket indicates the type of string to output
- args contains the values that will be inserted into the string referenced by the bucket

3.2.5.7.1.1.4 SiteId

Type: CSOM GUID

Accessibility: Read Only

SiteId Returns the Id of the site of the changed item

3.2.5.7.1.1.5 Time

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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**.

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

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.

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3.2.5.8.1.1.4 RelativeTime

Type: **CSOM String**

Accessibility: Read Only

See Microsoft.SharePoint.Client.Change.RelativeTime, as specified in section 3.2.5.7.1.1.3.

3.2.5.8.1.1.5 SiteId

Type: **CSOM GUID**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as specified in section 3.2.5.7.1.1.4.

3.2.5.8.1.1.6 Time

Type: **CSOM DateTime**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.Time**, as specified in section 3.2.5.7.1.1.5.

3.2.5.8.1.1.7 WebId

Type: **CSOM GUID**

Accessibility: Read Only

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The **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}

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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**.

The RelativeTime property is not included in the **default scalar property set** for this 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

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Accessibility: Read Only

Identifies the **content type** that has changed.

3.2.5.10.1.1.4 RelativeTime

Type: CSOM String

Accessibility: Read Only

See Microsoft.SharePoint.Client.Change.RelativeTime, as specified in section 3.2.5.7.1.1.3.

3.2.5.10.1.1.5 SiteId

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as specified in section 3.2.5.7.1.1.4.

3.2.5.10.1.1.6 Time

Type: CSOM DateTime

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.Time**, as specified in section 3.2.5.7.1.1.5.

3.2.5.10.1.1.7 WebId

Type: CSOM GUID

Accessibility: Read Only

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

Exceptions:

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

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3.2.5.11 Microsoft.SharePoint.Client.ChangeField

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

ShortName: SP.ChangeField

Specifies a change on a **field (2)**.

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

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 RelativeTime

Type: **CSOM String**

Accessibility: Read Only

See Microsoft.SharePoint.Client.Change.RelativeTime, as specified in section 3.2.5.7.1.1.3.

3.2.5.11.1.1.5 SiteId

Type: **CSOM GUID**

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Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as specified in section 3.2.5.7.1.1.4.

3.2.5.11.1.1.6 Time

Type: **CSOM DateTime**

Accessibility: Read Only

See Microsoft.SharePoint.Client.Change.Time, as specified in section 3.2.5.7.1.1.5.

3.2.5.11.1.1.7 WebId

Type: **CSOM GUID**

Accessibility: Read Only

Identifies the **site (2)** 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.

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

3.2.5.12.1 Properties

3.2.5.12.1.1 Scalar Properties

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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 RelativeTime

Type: CSOM String

Accessibility: Read Only

See Microsoft.SharePoint.Client.Change.RelativeTime, as specified in section 3.2.5.7.1.1.3.

3.2.5.12.1.1.4 SiteId

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as specified in section 3.2.5.7.1.1.4.

3.2.5.12.1.1.5 Time

Type: CSOM DateTime

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.Time**, as specified in section 3.2.5.7.1.1.5.

3.2.5.12.1.1.6 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.

3.2.5.12.1.1.7 WebId

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Type: **CSOM GUID**

Accessibility: Read Only

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

Exceptions:

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

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

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

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See **Microsoft.SharePoint.Client.Change.ChangeType**, as specified in section 3.2.5.7.1.1.2.

3.2.5.13.1.1.3 RelativeTime

Type: CSOM String

Accessibility: Read Only

See Microsoft.SharePoint.Client.Change.RelativeTime, as specified in section 3.2.5.7.1.1.3.

3.2.5.13.1.1.4 SiteId

Type: CSOM GUID

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as specified in section 3.2.5.7.1.1.4.

3.2.5.13.1.1.5 Time

Type: CSOM DateTime

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.Time**, as specified in section 3.2.5.7.1.1.5.

3.2.5.13.1.1.6 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.

3.2.5.13.1.1.7 WebId

Type: CSOM GUID

Accessibility: Read Only

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

Exceptions:

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

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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**.

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

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 RelativeTime

Type: **CSOM String**

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Accessibility: Read Only

See Microsoft.SharePoint.Client.Change.RelativeTime, as specified in section 3.2.5.7.1.1.3.

3.2.5.14.1.1.5 SiteId

Type: **CSOM GUID**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as specified in section 3.2.5.7.1.1.4.

3.2.5.14.1.1.6 Time

Type: **CSOM DateTime**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.Time**, as specified in section 3.2.5.7.1.1.5.

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**.

The ActivityType, ContentTypeId, EditorLoginName, FileSystemObjectType, FileType, Hidden, ListTemplate, ListTitle, RelativeTime and Title properties are not included in the **default scalar property set** for this type.

3.2.5.15.1 Properties

3.2.5.15.1.1 Scalar Properties

3.2.5.15.1.1.1 ActivityType

Type: Microsoft.SharePoint.Client.SPChangeActivityType

Accessibility: Read Only

Returns activity type defined in section 3.2.5.462

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3.2.5.15.1.1.2 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.

3.2.5.15.1.1.3 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.

3.2.5.15.1.1.4 ContentTypeId

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.

3.2.5.15.1.1.5 Editor

Type: **CSOM String**

Accessibility: Read Only

Specifies the editor of the changed **item**.

3.2.5.15.1.1.6 EditorEmailHint

Type: **CSOM String**

Accessibility: Read Only

Returns the email corresponding to **Editor**.

3.2.5.15.1.1.7 EditorLoginName

Type: **CSOM String**

Accessibility: Read Only

Returns **login name** of the **Editor**.

3.2.5.15.1.1.8 FileSystemObjectType

Type: Microsoft.SharePoint.Client.FileSystemObjectType

Accessibility: Read Only

Returns the **list item's** object type in **file system**.

3.2.5.15.1.1.9 FileType

Type: **CSOM String**

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Accessibility: Read Only

Returns the **list item's file** type.

3.2.5.15.1.1.10 Hidden

Type: **CSOM Boolean**

Accessibility: Read Only

Returns a **Boolean** value that indicates whether the parent **list** is a **hidden** list.

3.2.5.15.1.1.11 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.

3.2.5.15.1.1.12 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.

3.2.5.15.1.1.13 ListTemplate

Type: Microsoft.SharePoint.Client.ListTemplateType

Accessibility: Read Only

An SP.ListTemplateType object that returns the **list template** type of the **list**.

3.2.5.15.1.1.14 ListTitle

Type: **CSOM String**

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Accessibility: Read Only

A string representing the title of the **list**.

3.2.5.15.1.1.15 RelativeTime

Type: **CSOM String**

Accessibility: Read Only

See Microsoft.SharePoint.Client.Change.RelativeTime, as specified in section 3.2.5.7.1.1.3.

3.2.5.15.1.1.16 ServerRelativeUrl

Type: **CSOM String**

Accessibility: Read Only

Specifies the **server-relative URL** of the **item**.

3.2.5.15.1.1.17 SharedByUser

Type: Microsoft.SharePoint.Client.SharedWithUser

Accessibility: Read Only

Return the sharedBy User Information in sharing action for change log.

3.2.5.15.1.1.18 SharedWithUsers

Type: Microsoft.SharePoint.Client.SharedWithUserCollection

Accessibility: Read Only

Returns the array of users that have been shared in sharing action for the change log.

3.2.5.15.1.1.19 SiteId

Type: **CSOM GUID**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as specified in section 3.2.5.7.1.1.4.

3.2.5.15.1.1.20 Time

Type: **CSOM DateTime**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.Time**, as specified in section 3.2.5.7.1.1.5.

3.2.5.15.1.1.21 Title

Type: **CSOM String**

Accessibility: Read Only

Returns the **list item's** title.

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3.2.5.15.1.1.22 UniqueId

Type: **CSOM GUID**

Accessibility: Read Only

The **Document identifier** of the item.

3.2.5.15.1.1.23 WebId

Type: **CSOM GUID**

Accessibility: Read Only

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

Exceptions:

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

The RelativeTime and RootFolderUrl properties are not included in the **default scalar property set** for this type.

3.2.5.16.1 Properties

3.2.5.16.1.1 Scalar Properties

3.2.5.16.1.1.1 BaseTemplate

Type: Microsoft.SharePoint.Client.ListTemplateType

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Accessibility: Read Only

An SP.ListTemplateType object that returns the **list template** type of the **list**.

3.2.5.16.1.1.2 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.

3.2.5.16.1.1.3 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.

3.2.5.16.1.1.4 Editor

Type: **CSOM String**

Accessibility: Read Only

A string that returns the name of the **user (2)** who modified the **list**.

3.2.5.16.1.1.5 Hidden

Type: **CSOM Boolean**

Accessibility: Read Only

Returns a **Boolean** value that indicates whether a **list** is a hidden **hidden** list.

3.2.5.16.1.1.6 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.

3.2.5.16.1.1.7 RelativeTime

Type: **CSOM String**

Accessibility: Read Only

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See Microsoft.SharePoint.Client.Change.RelativeTime, as specified in section 3.2.5.7.1.1.3.

3.2.5.16.1.1.8 RootFolderUrl

Type: **CSOM String**

Accessibility: Read Only

A string that returns the **root folder URL** of the **list**.

3.2.5.16.1.1.9 SiteId

Type: **CSOM GUID**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as specified in section 3.2.5.7.1.1.4.

3.2.5.16.1.1.10 Time

Type: **CSOM DateTime**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.Time**, as specified in section 3.2.5.7.1.1.5.

3.2.5.16.1.1.11 Title

Type: **CSOM String**

Accessibility: Read Only

A string that returns the **list** title.

3.2.5.16.1.1.12 WebId

Type: **CSOM GUID**

Accessibility: Read Only

Identifies the **site (2)** 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

3.2.5.16.1.2.1 Creator

Type: Microsoft.SharePoint.Client.User

Accessibility: Read Only

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An SP.User **object (1)** that represents information about the **user (2)** who created the **list**.

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.

3.2.5.17.1 Properties

3.2.5.17.1.1 Scalar Properties

3.2.5.17.1.1.1 Activity

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether activities are included in the query.

3.2.5.17.1.1.2 Add

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether add changes are included in the query.

3.2.5.17.1.1.3 Alert

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether changes to alerts are included in the query.

3.2.5.17.1.1.4 ChangeTokenEnd

Type: Microsoft.SharePoint.Client.ChangeToken

Accessibility: Read/Write

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

3.2.5.17.1.1.5 ChangeTokenStart

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Type: Microsoft.SharePoint.Client.ChangeToken

Accessibility: Read/Write

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

3.2.5.17.1.1.6 ContentType

Type: **CSOM Boolean**

Accessibility: Read/Write

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

3.2.5.17.1.1.7 DeleteObject

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether delete changes are included in the query.

3.2.5.17.1.1.8 FetchLimit

Type: **CSOM Int64**

Accessibility: Read/Write

Specifies the maximum number of changes to fetch from the database.

3.2.5.17.1.1.9 Field

Type: **CSOM Boolean**

Accessibility: Read/Write

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

3.2.5.17.1.1.10 File

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether changes to files are included in the query.

3.2.5.17.1.1.11 Folder

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether changes to folders are included in the query.

3.2.5.17.1.1.12 Group

Type: **CSOM Boolean**

Accessibility: Read/Write

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Specifies whether changes to groups are included in the query.

3.2.5.17.1.1.13 GroupMembershipAdd

Type: **CSOM Boolean**

Accessibility: Read/Write

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

3.2.5.17.1.1.14 GroupMembershipDelete

Type: **CSOM Boolean**

Accessibility: Read/Write

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

3.2.5.17.1.1.15 Item

Type: **CSOM Boolean**

Accessibility: Read/Write

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

3.2.5.17.1.1.16 LatestFirst

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether or not logs are returned in chronological order or in reverse order. If true, the latest logs are returned first.

3.2.5.17.1.1.17 List

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether changes to lists are included in the query.

3.2.5.17.1.1.18 Move

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether move changes are included in the query.

3.2.5.17.1.1.19 Navigation

Type: **CSOM Boolean**

Accessibility: Read/Write

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

3.2.5.17.1.1.20 RecursiveAll

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Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether all **change logs** are returned for the folder scoped query. This flag will only work for a Folder query. If true, all changes in the current folder and all sub folders will be returned. Otherwise, only changes in the current folder will be returned.

3.2.5.17.1.1.21 Rename

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether renaming changes are included in the query.

3.2.5.17.1.1.22 RequireSecurityTrim

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether **change logs** are returned with **security trimming**. If true, only the change logs that **current user** has **permission** to view are returned.

3.2.5.17.1.1.23 Restore

Type: **CSOM Boolean**

Accessibility: Read/Write

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

3.2.5.17.1.1.24 RoleAssignmentAdd

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether adding role assignments is included in the query.

3.2.5.17.1.1.25 RoleAssignmentDelete

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether deleting role assignments is included in the query.

3.2.5.17.1.1.26 RoleDefinitionAdd

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether adding role definitions is included in the query.

3.2.5.17.1.1.27 RoleDefinitionDelete

Type: **CSOM Boolean**

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Accessibility: Read/Write

Specifies whether deleting role definitions is included in the query.

3.2.5.17.1.1.28 RoleDefinitionUpdate

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether modifying role definitions is included in the query.

3.2.5.17.1.1.29 SecurityPolicy

Type: **CSOM Boolean**

Accessibility: Read/Write

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

3.2.5.17.1.1.30 Site

Type: **CSOM Boolean**

Accessibility: Read/Write

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

3.2.5.17.1.1.31 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.

3.2.5.17.1.1.32 Update

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether update changes are included in the query.

3.2.5.17.1.1.33 User

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether changes to users are included in the query.

3.2.5.17.1.1.34 View

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether changes to views are included in the query.

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3.2.5.17.1.1.35 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**.

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

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 RelativeTime

Type: **CSOM String**

Accessibility: Read Only

See Microsoft.SharePoint.Client.Change.RelativeTime, as specified in section 3.2.5.7.1.1.3.

3.2.5.18.1.1.4 SiteId

Type: **CSOM GUID**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as specified in section 3.2.5.7.1.1.4.

3.2.5.18.1.1.5 Time

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Type: **CSOM DateTime**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.Time**, as specified in section 3.2.5.7.1.1.5.

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**.

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Value	Description
1	The change token refers to a **site collection**.
2	The change token refers to a **site (2)**.
3	The change token refers to a **list**.

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-xxxxxxxxxxxx}.
-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 (2)**, **site collection**, or **content database**.

3.2.5.20.1.3 Update

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Value: 2

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

3.2.5.20.1.5 Rename

Value: 4

The leaf in a **URL** has been renamed.

3.2.5.20.1.6 MoveAway

Value: 5

Specifies that a non-leaf segment within a **URL** has been renamed. The **object (1)** was moved away from the location within the **site (2)** specified by the change.

3.2.5.20.1.7 MoveInto

Value: 6

Specifies that a non-leaf segment within a **URL** has been renamed. The **object (1)** was moved into the location within the **site (2)** specified by the change.

3.2.5.20.1.8 Restore

Value: 7

Specifies that an **object (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

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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.

3.2.5.20.1.14 MemberAdd

Value: 13

Specifies that a user has been added to a **group**.

3.2.5.20.1.15 MemberDelete

Value: 14

Specifies that a user has been removed from a **group**.

3.2.5.20.1.16 SystemUpdate

Value: 15

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

3.2.5.20.1.17 Navigation

Value: 16

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

3.2.5.20.1.18 ScopeAdd

Value: 17

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

3.2.5.20.1.19 ScopeDelete

Value: 18

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

3.2.5.20.1.20 ListContentTypeAdd

Value: 19

Specifies that a **list content type** has been added.

3.2.5.20.1.21 ListContentTypeDelete

Value: 20

Specifies that a **list content type** has been deleted.

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3.2.5.20.1.22 Dirty

Value: 21

Specifies that this item has a pending modification due to an operation on another item.

3.2.5.20.1.23 Activity

Value: 22

Specifies that an activity change as specified in section 3.2.5.462 has been made to the **object (1)**.

3.2.5.21 Microsoft.SharePoint.Client.ChangeUser

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

ShortName: SP.ChangeUser

Specifies a change on a user.

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

3.2.5.21.1 Properties

3.2.5.21.1.1 Scalar Properties

3.2.5.21.1.1.1 Activate

Type: **CSOM Boolean**

Accessibility: Read Only

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

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

3.2.5.21.1.1.2 ChangeToken

Type: Microsoft.SharePoint.Client.ChangeToken

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.ChangeToken**, 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 RelativeTime

Type: **CSOM String**

Accessibility: Read Only

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See Microsoft.SharePoint.Client.Change.RelativeTime, as specified in section 3.2.5.7.1.1.3.

3.2.5.21.1.1.5 SiteId

Type: **CSOM GUID**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as specified in section 3.2.5.7.1.1.4.

3.2.5.21.1.1.6 Time

Type: **CSOM DateTime**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.Time**, as specified in section 3.2.5.7.1.1.5.

3.2.5.21.1.1.7 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**.

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

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

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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 RelativeTime

Type: **CSOM String**

Accessibility: Read Only

See Microsoft.SharePoint.Client.Change.RelativeTime, as specified in section 3.2.5.7.1.1.3.

3.2.5.22.1.1.5 SiteId

Type: **CSOM GUID**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as specified in section 3.2.5.7.1.1.4.

3.2.5.22.1.1.6 Time

Type: **CSOM DateTime**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.Time**, as specified in section 3.2.5.7.1.1.5.

3.2.5.22.1.1.7 ViewId

Type: **CSOM GUID**

Accessibility: Read Only

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Identifies the changed **view**.

3.2.5.22.1.1.8 WebId

Type: **CSOM GUID**

Accessibility: Read Only

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

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The **site identifier** in the change **fields (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 (2)**.

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

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

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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 RelativeTime

Type: **CSOM String**

Accessibility: Read Only

See Microsoft.SharePoint.Client.Change.RelativeTime, as specified in section 3.2.5.7.1.1.3.

3.2.5.23.1.1.4 SiteId

Type: **CSOM GUID**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.SiteId**, as specified in section 3.2.5.7.1.1.4.

3.2.5.23.1.1.5 Time

Type: **CSOM DateTime**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Change.Time**, as specified in section 3.2.5.7.1.1.5.

3.2.5.23.1.1.6 WebId

Type: **CSOM GUID**

Accessibility: Read Only

Identifies the **site (2)** that has changed.

Exceptions:

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

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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

The file is checked out for editing on the server.

3.2.5.25.1.2 Offline

Value: 1

The file is checked out for editing on the local computer.

3.2.5.25.1.3 None

Value: 2

The file is not checked out.

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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**

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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 (1)** 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 (1)** 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.

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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**.

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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**

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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 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the SP.UserResource object (section 3.2.5.333) for the description of this content type.

3.2.5.27.1.2.2 FieldLinks

Type: Microsoft.SharePoint.Client.FieldLinkCollection

Accessibility: Read Only

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

3.2.5.27.1.2.3 Fields

Type: Microsoft.SharePoint.Client.FieldCollection

Accessibility: Read Only

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

3.2.5.27.1.2.4 NameResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Specifies the SP.UserResource object for the name of this content type.

3.2.5.27.1.2.5 Parent

Type: Microsoft.SharePoint.Client.ContentType

Accessibility: Read Only

Specifies the parent **content type** of the content type.

3.2.5.27.1.2.6 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

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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.

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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 *parameters* 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"
```


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```
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.

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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.

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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.

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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.

The presence of a Feature object in a collection at the server farm, Web application, site collection, or Web site levels indicates that the feature is activated. Lack of a Feature object indicates that the object has not been activated.

Use the Features properties of the Site (section 3.2.5.119) and Web (section 3.2.5.143) classes to get the collection of features that are activated in the server farm, Web application, site collection, or Web site. Use the Site (section 3.2.5.110.1.2.3) and Web (section 3.2.5.110.1.2.4) properties of the RequestContext (section 3.2.5.110) class to get the collection of features for the current site collection or site.

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

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.

3.2.5.34.1.1.2 DisplayName

Type: **CSOM String**

Accessibility: Read Only

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Gets the display name of this feature.

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.

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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**

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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 NoCrawl and SchemaXmlWithResourceTokens properties are 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

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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

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Field Identifier	Field Name
{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

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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**.

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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 (2)** that the **field (2)** belongs to.

3.2.5.37.1.1.17 Sealed

Type: **CSOM Boolean**

Accessibility: Read/Write

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

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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

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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-262-1999]) 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)**.

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3.2.5.37.1.1.30 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

Gets a Boolean value that specifies whether the field is auto-indexed.

True to specify that the field is auto-indexed; otherwise, false.

3.2.5.37.1.1.31 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.37.1.1.32 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.37.1.1.33 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.37.1.1.34 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.37.1.1.35 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

3.2.5.37.1.1.36 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

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3.2.5.37.1.1.37 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.37.1.2 ObjectPath Properties

3.2.5.37.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

3.2.5.37.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

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 (2)**, 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 this field to show or hide in the display form.

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

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Return Type: None

Sets this field to show or hide in the edit form.

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 this field to show or hide in the new form.

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:

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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** in a list. To set properties, call the **Update** method (section 3.2.5.38.2.1.5).

The NoCrawl and SchemaXmlWithResourceTokens properties are 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.

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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

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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.

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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**.

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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/Write

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

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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

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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-262-1999) 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)**.

3.2.5.38.1.1.33 AutoIndexed

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Type: **CSOM Boolean**

Accessibility: Read Only

Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.38.1.1.34 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.38.1.1.35 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.38.1.1.36 CurrencyLocaleId

Type: **CSOM Int32**

Accessibility: Read/Write

Gets or sets the locale ID that is used for currency on the Web site.

3.2.5.38.1.1.37 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.38.1.1.38 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.38.1.1.39 DisplayFormat

Type: **CSOM Int32**

Accessibility: Read Only

Gets the number of decimal places to be used when displaying the field.

3.2.5.38.1.1.40 NoCrawl

Type: **CSOM Boolean**

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Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

3.2.5.38.1.1.41 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.38.1.1.42 ShowAsPercentage

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that determines whether values in the field are displayed as percentages.

3.2.5.38.1.1.43 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.38.1.2 ObjectPath Properties

3.2.5.38.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

3.2.5.38.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

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 (2)**, or from the **content types** within the list.

Parameters: None

Exceptions:

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

3.2.5.38.2.1.2 SetShowInDisplayForm

Return Type: None

Sets this field to show or hide in the display form.

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 this field to show or hide in the edit form.

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 this field to show or hide in the new form.

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".

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Error Code	Error Type Name	Condition
-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.

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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 a calculation error, such as division by zero, or overflow.

3.2.5.39.1 Properties

3.2.5.39.1.1 Scalar Properties

3.2.5.39.1.1.1 ErrorMessage

Type: **CSOM String**

Accessibility: Read Only

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)**. To set properties on this class, call the **Update** method (section 3.2.5.40.2.1.5).

The NoCrawl and SchemaXmlWithResourceTokens properties are 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

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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:

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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.

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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:

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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

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Accessibility: Read/Write

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**

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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-262-1999) 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.

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3.2.5.40.1.1.33 SchemaXmlWithResourceTokens

Type: **CSOM String**

Accessibility: Read Only

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

3.2.5.40.1.1.34 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.40.1.1.35 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.40.1.1.36 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.40.1.1.37 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.40.1.1.38 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.40.1.1.39 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

3.2.5.40.1.1.40 PinnedToFiltersPane

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Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.40.1.1.41 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.40.1.2 ObjectPath Properties

3.2.5.40.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

3.2.5.40.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

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 this field to show or hide in the display form.

Parameters:

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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 this field to show or hide in the edit form.

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 this field to show or hide in the new form.

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".

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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.
-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 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)**.

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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:

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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

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Returns the first **field (2) object (1)** in the collection based on the title of the specified field (2).

Parameters:

title: 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".

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Error Code	Error Type Name	Condition
-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.
-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
-2146232832	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 (2)** 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".
-2130575340	Microsoft.SharePoint.SPException	One or more field types are not installed properly.
-213057519	Microsoft.SharePoint.SPException	Formula is empty for the calculated field type.

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Error Code	Error Type Name	Condition
9		
-2147024860	Microsoft.SharePoint.SPQueryThrottledException	There is a throttle failure.
-2147024749	Microsoft.SharePoint.SPQueryThrottledException	There is a join throttle failure.
-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**. To set the properties of this class, call the **Update** method (section 3.2.5.42.2.1.5).

The NoCrawl and SchemaXmlWithResourceTokens properties are 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**.

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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

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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

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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:

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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/Write

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

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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

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Gets the name of an external ECMAScript ([ECMA-262-1999]) 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)**.

3.2.5.42.1.1.31 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.42.1.1.32 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.42.1.1.33 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.42.1.1.34 CustomFormatter

Type: **CSOM String**

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Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.42.1.1.35 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.42.1.1.36 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

3.2.5.42.1.1.37 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.42.1.1.38 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.42.1.2 ObjectPath Properties

3.2.5.42.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

3.2.5.42.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

3.2.5.42.2 Methods

3.2.5.42.2.1 Scalar Methods

3.2.5.42.2.1.1 DeleteObject

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Return Type: None

Deletes the **field (2)** from the **list**, from the **site (2)**, 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 this field to show or hide in the display form.

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 this field to show or hide in the edit form.

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 this field to show or hide in the new form.

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:

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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

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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. To set properties, call the Update method (section 3.2.5.43.2.1.5).

The NoCrawl and SchemaXmlWithResourceTokens properties are 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.

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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

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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

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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:

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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/Write

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**

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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

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Gets the name of an external ECMAScript ([ECMA-262-1999]) 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)**.

3.2.5.43.1.1.33 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.43.1.1.34 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.43.1.1.35 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.43.1.1.36 CustomFormatter

Type: **CSOM String**

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Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.43.1.1.37 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.43.1.1.38 DisplayFormat

Type: **CSOM Int32**

Accessibility: Read Only

Gets the number of decimal places to be used when displaying the field.

3.2.5.43.1.1.39 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

3.2.5.43.1.1.40 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.43.1.1.41 ShowAsPercentage

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether to render the field as a percentage.

3.2.5.43.1.1.42 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.43.1.2 ObjectPath Properties

3.2.5.43.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

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Gets the resource object corresponding to the **Description** property for a field.

3.2.5.43.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

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 (2)**, 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: None

Sets this field to show or hide in the display form.

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: None

Sets this field to show or hide in the edit form.

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: None

Sets this field to show or hide in the new form.

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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.
-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".

3.2.5.43.2.1.6 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

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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-94B9-008ABBFB22E1}

ShortName: SP.FieldDateTime

Specifies a **field (2)** that contains date and time values. To set properties, call the **Update** method (section 3.2.5.44.2.1.5).

The NoCrawl and SchemaXmlWithResourceTokens properties are 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.

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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

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Error Code	Error Type Name	Condition
		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

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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**

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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/Write

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**

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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.

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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-262-1999]) 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)**.

3.2.5.44.1.1.33 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.44.1.1.34 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

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3.2.5.44.1.1.35 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.44.1.1.36 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.44.1.1.37 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.44.1.1.38 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

3.2.5.44.1.1.39 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.44.1.1.40 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.44.1.2 ObjectPath Properties

3.2.5.44.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

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3.2.5.44.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

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 (2)**, 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 this field to show or hide in the display form.

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 this field to show or hide in the edit form.

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 this field to show or hide in the new form.

Parameters:

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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.
-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".

3.2.5.44.2.1.7 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>

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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 NoCrawl and SchemaXmlWithResourceTokens properties are 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**

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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**.

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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.

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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.

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3.2.5.45.1.1.17 Sealed

Type: CSOM Boolean

Accessibility: Read/Write

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

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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-262-1999]) 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

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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)**.

3.2.5.45.1.1.30 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.45.1.1.31 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.45.1.1.32 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.45.1.1.33 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.45.1.1.34 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.45.1.1.35 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

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3.2.5.45.1.1.36 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.45.1.1.37 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.45.1.2 ObjectPath Properties

3.2.5.45.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

3.2.5.45.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

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 (2)**, 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

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Sets this field to show or hide in the display form.

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 this field to show or hide in the edit form.

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 this field to show or hide in the new form.

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).

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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**.

The DisplayName, ReadOnly and ShowInDisplayForm properties are not included in the **default scalar property set** for this type.

3.2.5.46.1 Properties

3.2.5.46.1.1 Scalar Properties

3.2.5.46.1.1.1 Hidden

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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>

3.2.5.46.1.1.6 DisplayName

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the display name for the field reference.

3.2.5.46.1.1.7 ReadOnly

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets and sets a value that indicates whether the **SP.FieldLink** object can be modified.

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3.2.5.46.1.1.8 ShowInDisplayForm

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field reference is displayed in the form or displaying list items.

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:

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internalNames: Specifies field internal names that are arranged in the order in which the 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

Contains properties that are used as parameters to initialize an **SP.FieldLink** object (section 3.2.5.46).

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

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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

Represents a **lookup field**. The field value for this class is contained in **FieldLookupValue** (section 3.2.5.50).

The NoCrawl and SchemaXmlWithResourceTokens properties are 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.

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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

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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

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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 (2)** 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**.

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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:

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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/Write

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:

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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.

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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-262-1999]) 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)**.

3.2.5.49.1.1.37 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.49.1.1.38 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

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The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.49.1.1.39 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.49.1.1.40 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.49.1.1.41 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.49.1.1.42 DependentLookupInternalNames

Type: **CSOM array** of **CSOM String**

Accessibility: Read Only

Specifies the internal names of all the dependent lookups based on this primary lookup.

3.2.5.49.1.1.43 IsDependentLookup

Type: **CSOM Boolean**

Accessibility: Read Only

Check whether a lookup field is a dependent lookup field.

3.2.5.49.1.1.44 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

3.2.5.49.1.1.45 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

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3.2.5.49.1.1.46 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.49.1.1.47 UnlimitedLengthInDocumentLibrary

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether to allow values with unlimited text in the lookup field.

3.2.5.49.1.2 ObjectPath Properties

3.2.5.49.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

3.2.5.49.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

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 (2)**, 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

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Sets this field to show or hide in the display form.

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 this field to show or hide in the edit form.

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 this field to show or hide in the new form.

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).

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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

SP.FieldLookupValue: Field value class for SP.FieldLookup (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**

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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 NoCrawl and SchemaXmlWithResourceTokens properties are 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:

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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

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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.

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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**.

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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/Write

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**.

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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

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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-262-1999]) 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)**.

3.2.5.51.1.1.33 AutoIndexed

Type: CSOM Boolean

Accessibility: Read Only

Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.51.1.1.34 ClientSideComponentId

Type: CSOM GUID

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.51.1.1.35 ClientSideComponentProperties

Type: CSOM String

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Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.51.1.1.36 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.51.1.1.37 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.51.1.1.38 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

3.2.5.51.1.1.39 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.51.1.1.40 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.51.1.2 ObjectPath Properties

3.2.5.51.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

3.2.5.51.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

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Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

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 (2)**, 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 this field to show or hide in the display form.

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 this field to show or hide in the edit form.

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 this field to show or hide in the new form.

Parameters:

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

Type: **CSOM Boolean**

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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.

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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. To set properties, call the **Update** method (section 3.2.5.52.2.1.5).

The NoCrawl and SchemaXmlWithResourceTokens properties are 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.

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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

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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/Write

See **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 Only

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See **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 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.

3.2.5.52.1.1.15 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/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**.

3.2.5.52.1.1.17 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

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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/Write

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

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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

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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-262-1999]) 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

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Type: **CSOM String**

Accessibility: Read Only

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

3.2.5.52.1.1.36 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.52.1.1.37 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.52.1.1.38 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.52.1.1.39 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.52.1.1.40 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.52.1.1.41 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

3.2.5.52.1.1.42 PinnedToFiltersPane

Type: **CSOM Boolean**

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Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.52.1.1.43 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.52.1.1.44 UnlimitedLengthInDocumentLibrary

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether to allow unlimited field length in document libraries.

3.2.5.52.1.2 ObjectPath Properties

3.2.5.52.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

3.2.5.52.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

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 (2)**, or from the **content types** within the list.

Parameters: None

Exceptions:

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

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3.2.5.52.2.1.2 SetShowInDisplayForm

Return Type: None

Sets this field to show or hide in the display form.

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 this field to show or hide in the edit form.

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 this field to show or hide in the new form.

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

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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. To set properties, call the **Update** method (section 3.2.5.53.2.1.5).

The NoCrawl and SchemaXmlWithResourceTokens properties are not included in the **default scalar property set** for this type.

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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

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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:

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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:

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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/Write

See **Microsoft.SharePoint.Client.Field.Sealed**, as specified in section 3.2.5.37.1.1.17.

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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.

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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-262-1999]) 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**

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Accessibility: Read Only

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

3.2.5.53.1.1.32 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.53.1.1.33 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.53.1.1.34 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.53.1.1.35 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.53.1.1.36 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.53.1.1.37 DisplayFormat

Type: **CSOM Int32**

Accessibility: Read Only

Gets the number of decimal places to be used when displaying the field.

3.2.5.53.1.1.38 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

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Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

3.2.5.53.1.1.39 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.53.1.1.40 ShowAsPercentage

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether to render the field as a percentage.

3.2.5.53.1.1.41 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.53.1.2 ObjectPath Properties

3.2.5.53.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

3.2.5.53.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

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 (2)**, or from the **content types** within the list.

Parameters: None

Exceptions:

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

3.2.5.53.2.1.2 SetShowInDisplayForm

Return Type: None

Sets this field to show or hide in the display form.

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 this field to show or hide in the edit form.

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 this field to show or hide in the new form.

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".

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Error Code	Error Type Name	Condition
-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.

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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**. To set properties, call the **Update** method (section 3.2.5.54.2.1.5).

The NoCrawl and SchemaXmlWithResourceTokens properties are 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**

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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.

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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**

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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.

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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**.

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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/Write

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:

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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-262-1999]) file containing any logic for this **field (2)**.

3.2.5.54.1.1.37 EntityPropertyName

Type: **CSOM String**

Accessibility: Read Only

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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)**.

3.2.5.54.1.1.40 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.54.1.1.41 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.54.1.1.42 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.54.1.1.43 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.54.1.1.44 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

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Gets or sets the default formula for a calculated field.

3.2.5.54.1.1.45 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

3.2.5.54.1.1.46 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.54.1.1.47 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.54.1.2 ObjectPath Properties

3.2.5.54.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

3.2.5.54.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

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 (2)**, or from the **content types** within the list.

Parameters: None

Exceptions:

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

3.2.5.54.2.1.2 SetShowInDisplayForm

Return Type: None

Sets this field to show or hide in the display form.

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 this field to show or hide in the edit form.

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 this field to show or hide in the new form.

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".

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Error Code	Error Type Name	Condition
-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.

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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.FieldStringValues

TypeId: {542FA9DF-AC22-4FDB-8BA3-DAB6060C2DE4}

ShortName: SP.FieldStringValues

Specifies a collection that contains key value pairs. The **FieldStringValues** type contains **CSOM expando fields**. The value type for the CSOM expando fields MUST be **CSOM String**.

3.2.5.56.1 Properties

3.2.5.56.1.1 Scalar Properties

None.

3.2.5.56.1.2 ObjectPath Properties

None.

3.2.5.56.2 Methods

3.2.5.56.2.1 Scalar Methods

None.

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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. To set properties, call the **Update** method (section 3.2.5.57.2.1.5).

The NoCrawl and SchemaXmlWithResourceTokens properties are 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.

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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**

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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

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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.

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3.2.5.57.1.1.18 Sealed

Type: CSOM Boolean

Accessibility: Read/Write

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

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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-262-1999]) 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

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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)**.

3.2.5.57.1.1.31 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.57.1.1.32 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.57.1.1.33 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.57.1.1.34 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.57.1.1.35 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.57.1.1.36 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

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3.2.5.57.1.1.37 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.57.1.1.38 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.57.1.2 ObjectPath Properties

3.2.5.57.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

3.2.5.57.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

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 (2)**, 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: None

Sets this field to show or hide in the display form.

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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: None

Sets this field to show or hide in the edit form.

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: None

Sets this field to show or hide in the new form.

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.
-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".

3.2.5.57.2.1.6 UpdateAndPushChanges

Return Type: None

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

Parameters:

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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

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Value: 1

Specifies that the **field (2)** contains an **integer** value.

3.2.5.58.1.3 Text

Value: 2

Specifies that the **field (2)** contains a single line of text.

3.2.5.58.1.4 Note

Value: 3

Specifies that the **field (2)** contains multiple lines of text.

3.2.5.58.1.5 DateTime

Value: 4

Specifies that the **field (2)** contains a date and time value or a date-only value.

3.2.5.58.1.6 Counter

Value: 5

Specifies that the **field (2)** contains a monotonically increasing integer.

3.2.5.58.1.7 Choice

Value: 6

Specifies that the **field (2)** contains a single value from a set of specified values.

3.2.5.58.1.8 Lookup

Value: 7

Specifies that the **field (2)** is a **lookup field**.

3.2.5.58.1.9 Boolean

Value: 8

Specifies that the **field (2)** contains a **Boolean** value.

3.2.5.58.1.10 Number

Value: 9

Specifies that the **field (2)** contains a **floating-point number** value.

3.2.5.58.1.11 Currency

Value: 10

Specifies that the **field (2)** contains a currency value.

3.2.5.58.1.12 URL

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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.

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3.2.5.58.1.22 Recurrence

Value: 21

Specifies that the **field (2)** indicates whether a meeting in a calendar **list** recurs.

3.2.5.58.1.23 CrossProjectLink

Value: 22

Specifies that the **field (2)** contains a link between projects in a **Meeting Workspace site**.

3.2.5.58.1.24 ModStat

Value: 23

Specifies that the **field (2)** indicates **moderation status**.

3.2.5.58.1.25 Error

Value: 24

Specifies that the type of the **field (2)** was set to an invalid value.

3.2.5.58.1.26 ContentTypeId

Value: 25

Specifies that the **field (2)** contains a **content type identifier** as a value.

3.2.5.58.1.27 PageSeparator

Value: 26

Specifies that the **field (2)** separates questions in a **survey list** onto multiple pages.

3.2.5.58.1.28 ThreadIndex

Value: 27

Specifies that the **field (2)** indicates the position of a **discussion item** in a threaded view of a **discussion board**.

3.2.5.58.1.29 WorkflowStatus

Value: 28

Specifies that the **field (2)** indicates the status of a **workflow instance** on a **list item**.

3.2.5.58.1.30 AllDayEvent

Value: 29

Specifies that the **field (2)** indicates whether a meeting in a calendar **list** is an all-day event.

3.2.5.58.1.31 WorkflowEventType

Value: 30

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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**. To set properties, call the **Update** method (section 3.2.5.59.2.1.5).

The NoCrawl and SchemaXmlWithResourceTokens properties are 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**.

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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

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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

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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:

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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/Write

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**

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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

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Gets the name of an external ECMAScript ([ECMA-262-1999]) 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)**.

3.2.5.59.1.1.31 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.59.1.1.32 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.59.1.1.33 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.59.1.1.34 CustomFormatter

Type: **CSOM String**

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Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.59.1.1.35 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.59.1.1.36 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

3.2.5.59.1.1.37 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.59.1.1.38 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.59.1.2 ObjectPath Properties

3.2.5.59.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

3.2.5.59.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

3.2.5.59.2 Methods

3.2.5.59.2.1 Scalar Methods

3.2.5.59.2.1.1 DeleteObject

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Return Type: None

Deletes the **field (2)** from the **list**, from the **site (2)**, 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: None

Sets this field to show or hide in the display form.

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: None

Sets this field to show or hide in the edit form.

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: None

Sets this field to show or hide in the new form.

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:

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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".

3.2.5.59.2.1.6 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

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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. To set properties, call the **Update** method (section 3.2.5.61.2.1.5).

The NoCrawl and SchemaXmlWithResourceTokens properties are 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**

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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**.

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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

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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

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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

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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**.

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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/Write

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.

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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.

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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 ([ECMA-262-1999]) 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)**.

3.2.5.61.1.1.41 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

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Gets the Boolean value that specifies whether or not the field is auto-indexed. Specify a value of true if the field is auto-indexed; false if otherwise.

3.2.5.61.1.1.42 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.61.1.1.43 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.61.1.1.44 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.61.1.1.45 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.61.1.1.46 DependentLookupInternalNames

Type: **CSOM array** of **CSOM String**

Accessibility: Read Only

Specifies the internal names of all the dependent lookups based on this primary lookup.

3.2.5.61.1.1.47 IsDependentLookup

Type: **CSOM Boolean**

Accessibility: Read Only

Check whether a lookup field is a dependent lookup field.

3.2.5.61.1.1.48 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

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3.2.5.61.1.1.49 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.61.1.1.50 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.61.1.1.51 UnlimitedLengthInDocumentLibrary

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether to allow values with unlimited text in the lookup field.

3.2.5.61.1.2 ObjectPath Properties

3.2.5.61.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Description** property for a field.

3.2.5.61.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the **Title** property for a field.

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 (2)**, or from the **content types** within the list.

Parameters: None

Exceptions:

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

3.2.5.61.2.1.2 SetShowInDisplayForm

Return Type: None

Sets this field to show or hide in the display form.

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 this field to show or hide in the edit form.

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 this field to show or hide in the new form.

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".

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Error Code	Error Type Name	Condition
-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.

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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

SP.FieldUserValue: field value class for SP.FieldUser (User field)

3.2.5.63.1 Properties

3.2.5.63.1.1 Scalar Properties

3.2.5.63.1.1.1 Email

Type: **CSOM String**

Accessibility: Read Only

Gets the Email of the user from the lookup string or SP.User object.

3.2.5.63.1.1.2 LookupId

Type: **CSOM Int32**

Accessibility: Read/Write

Gets or sets the identifier (ID) of the lookup field.

3.2.5.63.1.1.3 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

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None.

3.2.5.64 Microsoft.SharePoint.Client.File

TypeId: {DF28BE1E-74B5-4B21-B73A-2BBAC0A23D8A}

ShortName: SP.File

Represents a file in a **site (2)** that can be a **Web Part Page**, an item in a **document library**, or a file in a folder.

The ListId, PageRenderType, ServerRelativePath, SiteId and WebId properties are not included in the **default scalar property set** for this type.

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.

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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**

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Accessibility: Read Only

Specifies the file name including the extension.

It MUST NOT be NULL. Its length MUST be equal to or less than 260.

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**

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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:

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Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	File cannot be found.
-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.

3.2.5.64.1.1.18 IrmEnabled

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether or not Information Rights Management (IRM) is enabled at the file level. A value of true indicates IRM is enabled; a value of false indicates IRM is disabled.

3.2.5.64.1.1.19 LinkingUrl

Type: **CSOM String**

Accessibility: Read Only

Specifies the URL that is suitable for durable linking to the file.

For file types that do not support durable linking, an empty string is returned.

It MUST NOT be NULL.

3.2.5.64.1.1.20 UniqueId

Type: **CSOM GUID**

Accessibility: Read/Write

Gets the GUID that uniquely identifies the file in the content database.

3.2.5.64.1.1.21 LinkingUri

Type: **CSOM String**

Accessibility: Read Only

Specifies the URL that is suitable for durable linking to the file.

It MUST NOT be NULL.

3.2.5.64.1.1.22 ListId

Type: **CSOM GUID**

Accessibility: Read Only

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Gets the GUID that uniquely identifies the list/document library containing the file.

3.2.5.64.1.1.23 PageRenderType

Type: Microsoft.SharePoint.Client.ListPageRenderType

Accessibility: Read Only

Returns the render type of the current file. If the file will render in modern experience which is compelling, flexible and more performant, it'll return **ListPageRenderType.Modern**. If the file will render in classic experience, it'll return the reason for staying in classic, as specified by **ListPageRenderType** enumeration (section 3.2.5.413).

3.2.5.64.1.1.24 ServerRelativePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

Specifies the relative path of the file based on the URL for the server.

3.2.5.64.1.1.25 SiteId

Type: **CSOM GUID**

Accessibility: Read Only

Gets the GUID that identifies the site collection containing the file.

3.2.5.64.1.1.26 WebId

Type: **CSOM GUID**

Accessibility: Read Only

Gets the GUID for the site containing the file.

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

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Accessibility: Read Only

Specifies the user who has checked out the **file**.

3.2.5.64.1.2.3 EffectiveInformationRightsManagementSettings

Type: Microsoft.SharePoint.Client.EffectiveInformationRightsManagementSettings

Accessibility: Read Only

Returns the effective Information Rights Management (IRM) settings for the file.

A file can be IRM-protected based on the IRM settings for the file itself, based on the IRM settings for the list which contains the file, or based on a rule. From greatest to least, IRM settings take precedence in the following order: rule, list, then file.

3.2.5.64.1.2.4 InformationRightsManagementSettings

Type: Microsoft.SharePoint.Client.InformationRightsManagementFileSettings

Accessibility: Read Only

Returns the Information Rights Management (IRM) settings for the file.

3.2.5.64.1.2.5 ListItemAllFields

Type: Microsoft.SharePoint.Client.ListItem

Accessibility: Read Only

Specifies the **list item field (2)** values for the list item corresponding to the file.

3.2.5.64.1.2.6 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.

3.2.5.64.1.2.7 ModifiedBy

Type: Microsoft.SharePoint.Client.User

Accessibility: Read Only

Specifies the user who last modified the file.

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Exceptions:

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	File cannot be found.

3.2.5.64.1.2.8 Properties

Type: Microsoft.SharePoint.Client.PropertyValues

Accessibility: Read Only

Gets a collection of all the properties for the file.

It MUST NOT be NULL.

3.2.5.64.1.2.9 VersionEvents

Type: Microsoft.SharePoint.Client.FileVersionEventCollection

Accessibility: Read Only

Gets the history of events on this version object.

3.2.5.64.1.2.10 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

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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:

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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.

3.2.5.64.2.1.5 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:

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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.

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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

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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**

3.2.5.64.2.1.16 CancelUpload

Return Type: None

Aborts the chunk upload session without saving the uploaded data. If **StartUpload** (section 3.2.5.64.2.1.22) created the file, the file will be deleted.

Parameters:

uploadId: The upload session ID.

Type: **CSOM GUID**

3.2.5.64.2.1.17 ContinueUpload

Return Type: CSOM Int64

Continues a chunk upload session with another fragment; the current file content is not changed.

Parameters:

uploadId: The upload session ID.

Type: **CSOM GUID**

fileOffset: The file offset where the fragment starts.

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Type: CSOM Int64

stream: The stream containing the fragment.

Type: **CSOM Stream**

3.2.5.64.2.1.18 ExecuteCobaltRequest

Return Type: CSOM Stream

Executes a Cobalt request against the file. Input can be serialized as either FssHttp ([MS-FSSHTTP]) or FssHttpB ([MS-FSSHTTPB]). The protocol being used is automatically detected.

Parameters:

inputStream: The input stream containing the FssHttp/FssHttpB Cobalt request.

Type: CSOM Stream

3.2.5.64.2.1.19 GetImagePreviewUrl

Return Type: CSOM String

Returns the URL of the thumbnail with a size closest to the specified size; the actual resolution of the thumbnail might not be the same as the desired value.

Parameters:

width: The desired width of the resolution.

Type: **CSOM Int32**

height: The desired height of the resolution.

Type: CSOM Int32

clientType: The client type. This is used for logging purposes.

Type: CSOM String

3.2.5.64.2.1.20 GetPreAuthorizedAccessUrl

Return Type: CSOM String

Returns a link for downloading the file without authentication.

Parameters:

expirationHours: The number of hours until the link expires.

Type: **CSOM Int32**

If the maximum expiration time defined in the web application is less than the specified expiration time, the maximum expiration time takes precedence.

3.2.5.64.2.1.21 GetWOPIFrameUrl

Return Type: CSOM String

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Returns the full URL to the SharePoint frame page that will initiate the specified WOPI frame action with the file's associated WOPI application. If there is no associated WOPI application or associated action, the return value is an empty string.

Parameters:

action: The full URL to the WOPI frame.

Type: Microsoft.SharePoint.Client.Utilities.SPWOPIFrameAction

3.2.5.64.2.1.22 StartUpload

Return Type: CSOM Int64

Returns the uploaded data's size (in bytes) after an upload chunk session is started and the first fragment is uploaded. The current file content is not changed. This method is idempotent when called with the same parameter values for *uploadId* and *stream*. Use the **ContinueUpload** method (section 3.2.5.64.2.1.17) to initiate chunk upload sessions for further fragments.

Parameters:

uploadId: The upload session ID used for subsequent chunk upload sessions.

Type: **CSOM GUID**

stream: The stream containing the first fragment

Type: **CSOM Stream**

3.2.5.64.2.1.23 Update

Return Type: None

Updates the database with changes made to the file.

Parameters: None

3.2.5.64.2.1.24 CopyToUsingPath

Return Type: None

Copies the file to the destination path. Server MUST overwrite an existing file of the same name if bOverwrite is true.

Parameters:

newPath: Specifies the destination path.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

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	The file is not locked

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Error Code	Error Type Name	Condition
-2147018894	Microsoft.SharePoint.SPFileLockException	There is a shared lock on the file
-2147018887	Microsoft.SharePoint.SPFileLockException	There is an exclusive lock on the file

3.2.5.64.2.1.25 GetImagePreviewUri

Return Type: **CSOM String**

Returns the uri where the thumbnail with the closest size to the desired can be found. The actual resolution of the thumbnail might not be the same as the desired values.

Parameters:

width: The desired width of the resolution.

Type: **CSOM Int32**

height: The desired height of the resolution.

Type: CSOM Int32

clientType: The client type. Used for logging.

Type: CSOM String

3.2.5.64.2.1.26 MoveToUsingPath

Return Type: None

Moves the file to the specified destination path.

Parameters:

newPath: Specifies the destination path.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

moveOperations: Specifies the kind of move operation.

Type: Microsoft.SharePoint.Client.MoveOperations

MUST be MoveOperations.Overwrite OR MoveOperations.AllowBrokenThickets

Exceptions:

Error Code	Error Type Name	Condition
-2147024729	Microsoft.SharePoint.SPFileLockException	The file is not locked
-2147018894	Microsoft.SharePoint.SPFileLockException	There is a shared lock on the file
-2147018887	Microsoft.SharePoint.SPFileLockException	There is an exclusive lock on the file

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3.2.5.64.2.1.27 OpenBinaryStreamWithOptions

Return Type: CSOM Stream

Opens the file as a stream.

Parameters:

openOptions: Options to use when opening the file.

Type: Microsoft.SharePoint.Client.SPOpenBinaryOptions

3.2.5.64.2.1.28 RecycleWithETag

Return Type: CSOM GUID

Moves the file to the recycle bin if the specified etag value matches with the current file eTag. MUST return the identifier of the new Recycle Bin item.

Parameters:

etagMatch: The **ETag** to verify before recycling the file.

Type: **CSOM String**

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

Exceptions:

Error Code	Error Type Name	Condition
-2147018894	Microsoft.SharePoint.SPFileLockException	There is a shared lock on the file
-2147018887	Microsoft.SharePoint.SPFileLockException	There is an exclusive lock on the file
-2147024894	System.IO.FileNotFoundException	File cannot be found.

3.2.5.64.2.1.29 UpdateVirusInfo

Return Type: None

Updates the virus info.

Parameters:

virusStatus: The virus infection status of the file.

Type: Microsoft.SharePoint.Client.SPVirusCheckStatus

virusMessage: The information about the virus infection.

Type: **CSOM String**

etagToCheck: The **ETag** against which the virus scan was performed.

Type: CSOM String

3.2.5.64.2.2 ObjectPath Methods

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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.

3.2.5.64.2.2.2 FinishUpload

Return Type: Microsoft.SharePoint.Client.File

Returns the current file after a chunk upload session uploads the last fragment.

Parameters:

uploadId: The upload session ID.

Type: **CSOM GUID**

fileOffset: The file offset where the last fragment starts.

Type: **CSOM Int64**

stream: The stream containing the fragment.

Type: **CSOM Stream**

3.2.5.64.2.2.3 GetUploadStatus

Return Type: Microsoft.SharePoint.Client.Utilities.UploadStatus

Gets the status of a chunk upload session.

Parameters:

uploadId: The upload session ID.

Type: **CSOM GUID**

3.2.5.64.2.2.4 StartUploadFile

Return Type: Microsoft.SharePoint.Client.File

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Start a new chunk upload session and upload the first fragment. It returns SPFile object which client can use to get file info.

Parameters:

uploadId: The upload session GUID used for subsequent calls to upload more fragments.

Type: **CSOM GUID**

stream: Stream containing the first fragment.

Type: **CSOM Stream**

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
-	Microsoft.SharePoint.SPFileLockException	The file to be added or overwritten in the collection is

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Error Code	Error Type Name	Condition
2147024729		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 AddStub

Return Type: Microsoft.SharePoint.Client.File

Returns the file after adding a new file stub which data will later be uploaded to.

Parameters:

urlOfFile: The **server-relative URL** for the **file**.

Type: **CSOM String**

3.2.5.65.2.2.3 AddStubUsingPath

Return Type: Microsoft.SharePoint.Client.File

Add a new file stub which the data will be uploaded later.

Parameters:

pathOfFile: The path for the file. It MUST NOT be NULL or empty.

Type: Microsoft.SharePoint.Client.ResourcePath

parameters: A FileCollectionAddParameters object containing the various settings used for creating the file.

Type: Microsoft.SharePoint.Client.FileCollectionAddParameters

3.2.5.65.2.2.4 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 (2)** or **form** type.

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3.2.5.65.2.2.5 AddUsingPath

Return Type: Microsoft.SharePoint.Client.File

Creates a file in the collection based on the specified path, a stream that contains a file, and optional settings for creating the file.

Parameters:

path: An **SP.ResourcePath** object (section 3.2.5.420) that specifies the path for the file.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

parameters: An **SP.FileCollectionAddParameters** object (section 3.2.5.398) containing the various settings used for creating the file.

Type: Microsoft.SharePoint.Client.FileCollectionAddParameters

contentStream: A stream containing the content of the file.

Type: **CSOM Stream**

3.2.5.65.2.2.6 GetByPathOrAddStub

Return Type: Microsoft.SharePoint.Client.File

Get an **SP.File** object (section 3.2.5.64) or add a new file stub to which the data will be uploaded later.

Parameters:

pathOfFile: An **SP.ResourcePath** (section 3.2.5.420) that specifies the path for the file.

Type: Microsoft.SharePoint.Client.ResourcePath

3.2.5.65.2.2.7 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**

3.2.5.65.2.2.8 GetByUrlOrAddStub

Return Type: Microsoft.SharePoint.Client.File

Returns the file or adds a new file stub which data will later be uploaded to.

Parameters:

urlOfFile: The **server-relative URL** for the **file**.

Type: **CSOM String**

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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.

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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].

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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 (2)**.

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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 (2)** or subsite.

It MUST NOT be empty. It MUST be a URL of relative form.

3.2.5.70.1.1.6 VersionLabel

Type: CSOM String

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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.

Obsolete. Use **Length** (section 3.2.5.70.1.1.8) instead.

This will throw an InvalidOperationException for versions larger than 2 gigabytes. Use Length instead.

3.2.5.70.1.1.8 Length

Type: **CSOM Int64**

Accessibility: Read Only

Gets the length (in bytes) of the file version.

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.

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3.2.5.70.2.1.2 OpenBinaryStream

Return Type: **CSOM Stream**

Opens the **file** as a stream. Returns a System.IO.Stream object that contains the file version.

Parameters: None

3.2.5.70.2.2 ObjectPath Methods

None.

3.2.5.71 Microsoft.SharePoint.Client.FileVersionCollection

TypeId: {3826E282-67A6-4861-88FB-474E8AAC897B}

ShortName: SP.FileVersionCollection

Represents a collection of **FileVersion** **objects (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:

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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 the **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 RecycleByID

Return Type: None

Recycles the file version object with the specified version ID from the collection.

Parameters:

vid: Specifies the file version object to delete.

Type: **CSOM Int32**

Version Id cannot be zero.

Exceptions:

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	The specified version label is invalid.

3.2.5.71.2.1.5 RecycleByLabel

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Return Type: None

Recycles the file version object with the specified version label.

Parameters:

versionlabel: Specifies the version label. The version label MUST be in the format n.n, for example, 3.1.

Type: **CSOM String**

It MUST NOT be NULL. It MUST NOT be empty. Version label MUST be the return value from VersionLabel property of a Microsoft.Sharepoint.Client.FileVersion object.

Exceptions:

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	The specified version label is invalid.

3.2.5.71.2.1.6 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 (2)**.

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Various folder properties in the **Web** class (section 3.2.5.143) return any from a site or subsite. Use the **FolderCollection** (section 3.2.5.73) that represents the collection of folders for a site or folder. Use an indexer to return a single folder from the collection.

The ContentTypeOrder, ServerRelativePath 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 Exists

Type: **CSOM Boolean**

Accessibility: Read Only

Gets a Boolean value that indicates whether the folder exists.

3.2.5.72.1.1.3 IsWOPIEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the folder is enabled for WOPI default action.

3.2.5.72.1.1.4 ItemCount

Type: **CSOM Int32**

Accessibility: Read Only

Specifies the count of items in the **list folder**.

3.2.5.72.1.1.5 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.

3.2.5.72.1.1.6 ProgID

Type: **CSOM String**

Accessibility: Read Only

Gets a string that identifies the application in which the folder was created.

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3.2.5.72.1.1.7 ServerRelativePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

Returns the server-relative path of the folder.

3.2.5.72.1.1.8 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.

3.2.5.72.1.1.9 TimeCreated

Type: **CSOM DateTime**

Accessibility: Read Only

Gets when the folder was created in UTC.

3.2.5.72.1.1.10 TimeLastModified

Type: **CSOM DateTime**

Accessibility: Read Only

Gets the last time this folder or a direct child was modified in UTC.

3.2.5.72.1.1.11 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)**.

3.2.5.72.1.1.12 UniqueId

Type: **CSOM GUID**

Accessibility: Read Only

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Gets the unique ID of the folder.

3.2.5.72.1.1.13 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>

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3.2.5.72.1.2.6 StorageMetrics

Type: Microsoft.SharePoint.Client.StorageMetrics

Accessibility: Read Only

Specifies the storage-related metrics for **list folders** in the **site (2)**.

3.2.5.72.2 Methods

3.2.5.72.2.1 Scalar Methods

3.2.5.72.2.1.1 AddSubFolder

Return Type: None

Create the subfolder inside the current folder, as specified by the leafName. The method doesn't suppoert overwrite. If the leafName is taken, it'll fail.

Parameters:

leafName: The name of the subfolder.

Type: **CSOM String**

3.2.5.72.2.1.2 AddSubFolderUsingPath

Return Type: None

Create the subfolder inside the current folder, as specified by the leafPath. The method doesn't suppoert overwrite. If the leafPath is taken, it'll fail.

Parameters:

leafPath: The path of the subfolder.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

3.2.5.72.2.1.3 DeleteObject

Return Type: None

Deletes the **list folder**.

Parameters: None

3.2.5.72.2.1.4 MoveTo

Return Type: None

Moves the folder and its contents to a new folder at the specified URL. This method applies only to the context of a single site.

Parameters:

newUrl: A string that specifies the URL for the new folder.

Type: **CSOM String**

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An exception is thrown if a folder with the same name as specified in the parameter already exists.

3.2.5.72.2.1.5 MoveToUsingPath

Return Type: None

Moves the folder and its contents to a new folder at the specified path.

Parameters:

newPath: Specifies the destination path.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

3.2.5.72.2.1.6 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

3.2.5.72.2.1.7 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

3.2.5.72.2.2.1 GetListItemChanges

Return Type: Microsoft.SharePoint.Client.ChangeCollection

Gets the collection of all changes from the change log that have occurred within the scope of the SharePoint folder based on the specified query.

Parameters:

query: Specifies the scope of the changes to retrieve from the change log.

Type: Microsoft.SharePoint.Client.ChangeQuery

It MUST NOT be NULL.

3.2.5.72.2.2.2 GetChanges

Return Type: Microsoft.SharePoint.Client.ChangeCollection

Returns from the change log the collection of all changes that have occurred within the scope of the SharePoint folder based on the specified query.

Parameters:

query: An **SP.ChangeQuery** object (section 3.2.5.17) that represents the query.

Type: Microsoft.SharePoint.Client.ChangeQuery

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It MUST NOT be NULL.

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 AddUsingPath

Return Type: Microsoft.SharePoint.Client.Folder

Adds the folder located at the specified path to the collection.

Parameters:

path: An **SP**.**ResourcePath** object (section 3.2.5.420) that specifies the path for the folder.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

parameters: An **SP.FolderCollectionAddParameters** object (section 3.2.5.404) containing the various settings used for creating the folder.

Type: Microsoft.SharePoint.Client.FolderCollectionAddParameters

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3.2.5.73.2.2.3 AddWithOverwrite

Return Type: Microsoft.SharePoint.Client.Folder

Adds the **list folder** to the collection of list folders and returns the added list folder. The server MUST overwrite an existing list folder if *overwrite* is "true".

Parameters:

url: Specifies the **URL** of the list folder.

Type: **CSOM String**

overwrite: Specifies whether a list folder is overwritten.

Type: **CSOM Boolean**

3.2.5.73.2.2.4 GetByPath

Return Type: Microsoft.SharePoint.Client.Folder

Get folder at the specified path.

Parameters:

path: An **SP.ResourcePath** (section 3.2.5.420) that specifies the path for the folder.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

3.2.5.73.2.2.5 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 (2)** 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

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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 ResourcePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

Gets the Web site–relative Path of the form.

3.2.5.74.1.1.4 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.

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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**

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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**.

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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>

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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

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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>

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Parameters:

loginName: 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 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

3.2.5.78.1.1.1 Description

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Type: **CSOM String**

Accessibility: Read/Write

A string that contains the description of the cross-site group to be created.

Its length MUST be equal to or less than 512.

3.2.5.78.1.1.2 Title

Type: **CSOM String**

Accessibility: Read/Write

A string that specifies the name of the cross-site group to be created.

It MUST NOT be NULL. Its length MUST be equal to or less than 255. It MUST NOT be empty.

It MUST conform to the following ABNF, as defined in [RFC5234]: Title = 1*1 (DIGIT/ALPHA/"-"/"_"/"."/"~"/"&"/"%"/"!"/"("/")"/"{"/"}")*(DIGIT/ALPHA/SP/"-"/"_"/"."/"~"/"&"/"%"/"!"/"("/")"/"{"/"}")

3.2.5.78.1.2 ObjectPath Properties

None.

3.2.5.79 Microsoft.SharePoint.Client.List

TypeId: {D89F0B18-614E-4B4A-BAC0-FD6142B55448}

ShortName: SP.List

Specifies a **list** on a **site (2)**.

The AllowDeletion, BrowserFileHandling, DataSource, DefaultDisplayFormUrl, DefaultEditFormUrl, DefaultNewFormUrl, DefaultViewPath, DefaultViewUrl, EffectiveBasePermissions, EffectiveBasePermissionsForUI, EnableAssignToEmail, ExcludeFromOfflineClient, HasUniqueRoleAssignments, IsEnterpriseGalleryLibrary, IsSiteAssetsLibrary, IsSystemList, OnQuickLaunch, PageRenderType, ReadSecurity, SchemaXml, ValidationFormula, ValidationMessage and WriteSecurity properties are not included in the **default scalar property set** for this type.

3.2.5.79.1 Properties

3.2.5.79.1.1 Scalar Properties

3.2.5.79.1.1.1 AllowContentTypes

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the **list** supports **content types**.

3.2.5.79.1.1.2 BaseTemplate

Type: **CSOM Int32**

Accessibility: Read Only

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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 **BrowserFileHandling** property of the Web application is **BrowserFileHandling.Strict**, then this setting MUST be ignored. If the **BrowserFileHandling** 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**.

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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 **list** as specified in [MS-WSSFO2] section 2.2.8.2.9 or [MS-WSSFO3] section 2.2.7.2.9.

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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 (1)** 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

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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".

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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**

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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 (2)**. 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 (2)**. 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 (2)** that contains the **list**.

It MUST be a URL of server-relative form.

3.2.5.79.1.1.39 SchemaXml

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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

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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.

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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".

3.2.5.79.1.1.52 CrawlNonDefaultViews

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether or not the crawler indexes the non-default views of the list.

Specify a value of true if the crawler indexes the list's non-default views; specify false if otherwise.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	External list does not support setting the "CrawlNonDefaultViews" property to "true".

3.2.5.79.1.1.53 CurrentChangeToken

Type: Microsoft.SharePoint.Client.ChangeToken

Accessibility: Read Only

Gets the current change token that is used in the change log for the list.

3.2.5.79.1.1.54 FileSavePostProcessingEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether or not the files in the list can be processed in asynchronous manner

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Specify a value of true if the list files can be processed asynchronously; specify false if otherwise.

3.2.5.79.1.1.55 MajorVersionLimit

Type: **CSOM Int32**

Accessibility: Read/Write

Gets or sets the maximum number of major versions allowed for an item in a document library that uses version control with major versions only.

3.2.5.79.1.1.56 MajorWithMinorVersionsLimit

Type: **CSOM Int32**

Accessibility: Read/Write

Gets or sets the maximum number of major versions that are allowed for an item in a document library that uses version control with both major and minor versions.

3.2.5.79.1.1.57 ParserDisabled

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether or not the document parser is enabled on the list.

Specify a value of true if the document parser is enabled on the list; specify false if otherwise.

3.2.5.79.1.1.58 AllowDeletion

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value specifying whether the list can be deleted.

3.2.5.79.1.1.59 CustomActionElements

Type: Microsoft.SharePoint.Client.CustomActionElementCollection

Accessibility: Read Only

Returns the **CustomAction** elements that are associated with the list, including Edit Control Block (ECB) menu custom actions and Ribbon Custom actions for the list.

3.2.5.79.1.1.60 DefaultItemOpenUseListSetting

Type: **CSOM Boolean**

Accessibility: Read Only

This property returns whether to use the **List** setting or the server wide setting for **DefaultItemOpen** (**BrowserEnabledDocuments** setting) in the Web application. This property can only be set to false, thereby using the server-wide setting. To set it to use **List** setting, set the value for **DefaultItemOpen**.

3.2.5.79.1.1.61 DefaultViewPath

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Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

Specifies the path of the default view for the list.

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

3.2.5.79.1.1.62 EnableAssignToEmail

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value specifying whether e-mail notification is enabled for the list.

3.2.5.79.1.1.63 ExcludeFromOfflineClient

Type: **CSOM Boolean**

Accessibility: Read/Write

This doesn't block sync but acts as a recommendation to the client to not take this list offline. This gets returned as part of list properties in GetListSchema soap call.

3.2.5.79.1.1.64 ExemptFromBlockDownloadOfNonViewableFiles

Type: **CSOM Boolean**

Accessibility: Read/Write

Property indicating whether the list is exempt from the policy to block download of non-server handled files. This SHOULD be set using the **SetExemptFromBlockDownloadOfNonViewableFiles** (section 3.2.5.79.2.1.25) method.

3.2.5.79.1.1.65 ImagePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read/Write

The Path for the icon that represents the list.

It MUST NOT be NULL. Its length MUST be equal to or less than 255.

3.2.5.79.1.1.66 IsEnterpriseGalleryLibrary

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets a Boolean value that indicates whether the list is a gallery, such as for site templates, list templates, Web Parts, or Master Pages.

3.2.5.79.1.1.67 IsSystemList

Type: **CSOM Boolean**

Accessibility: Read Only

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Indicates whether the list is system list that does not contain end user data and created by system account. A value of "true" means yes.

3.2.5.79.1.1.68 LastItemUserModifiedDate

Type: **CSOM DateTime**

Accessibility: Read/Write

Specifies when an item of the list was last modified by a non-system update. A non-system update is a change to a list item that is visible to end users. If no item has been created in the list, the list creation time is returned.

3.2.5.79.1.1.69 ListExperienceOptions

Type: Microsoft.SharePoint.Client.ListExperience

Accessibility: Read/Write

Gets or sets the list to new experience, classic experience or default experience set by my administrator.

3.2.5.79.1.1.70 PageRenderType

Type: Microsoft.SharePoint.Client.ListPageRenderType

Accessibility: Read Only

Returns the render type of the current file. If the file will render in the modern experience it will return **ListPageRenderType.Modern**. If the file will render in the classic experience, it will return the reason for staying in classic, as specified by **ListPageRenderType** enumeration (section 3.2.5.413).

3.2.5.79.1.1.71 ParentWebPath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

Returns the path of the parent web for the list.

3.2.5.79.1.1.72 ReadSecurity

Type: **CSOM Int32**

Accessibility: Read/Write

Gets or sets the Read security setting for the list.

3.2.5.79.1.1.73 WriteSecurity

Type: **CSOM Int32**

Accessibility: Read/Write

Gets or sets the Write security setting for the list.

3.2.5.79.1.2 ObjectPath Properties

3.2.5.79.1.2.1 ContentTypes

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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 (2)** 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

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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

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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**.

3.2.5.79.1.2.15 CreatablesInfo

Type: Microsoft.SharePoint.Client.CreatablesInfo

Accessibility: Read Only

Returns an object that describes what this **list** can create, and a collection of links to visit in order to create those things. If it can't create certain things, it contains an error message describing why.

The consumer MUST append the encoded **URL** of the current page to the links returned here. (This page the link goes to needs it as a query parameter to function correctly.) The consumer SHOULD also consider appending &IsDlg=1 to the link, to remove the UI from the linked page, if desired.

3.2.5.79.1.2.16 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Represents the description of this list.

3.2.5.79.1.2.17 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Represents the title of this list.

3.2.5.79.1.2.18 Activities

Type: Microsoft.SharePoint.Activities.SPActivityEntitySet

Accessibility: Read Only

Returns from the Activities Table the collection of all activities.

3.2.5.79.1.2.19 Subscriptions

Type: Microsoft.SharePoint.Webhooks.SubscriptionCollection

Accessibility: Read Only

Returns the subscription collection for this list.

3.2.5.79.2 Methods

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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 (2)** that contains the list.

Parameters:

copyRoleAssignments: Specifies whether to perform a one-time copy of the role assignments from the site (2) 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 (2), and the *clearSubscopes* parameter is "true", the role assignments for all child securable objects in the current site (2) and in the sites (2) which inherit role assignments from the current site (2) MUST be cleared and those securable objects will inherit role assignments from the current site (2) after this call. If the securable object is a site (2), and the *clearSubscopes* parameter is "false", the role assignments for all child securable objects that do not inherit role assignments from their parent **object (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 will inherit role assignments from the current securable object after this call. If the securable object is not a site (2), and the *clearSubscopes* parameter is "false", the role assignments for all child securable objects that do not inherit role assignments from their parent object (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**.

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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.

3.2.5.79.2.1.4 ResetRoleInheritance

Return Type: None

Updates the **list** to inherit **role assignments** from the **site (2)** 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 (2)**.
-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.

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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

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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

3.2.5.79.2.1.12 RenderListDataAsStream

Return Type: CSOM Stream

Returns the data for the specified query view.

Parameters:

parameters: The parameters to be used to return data.

Type: Microsoft.SharePoint.Client.RenderListDataParameters

It MUST NOT be NULL.

overrideParameters: The parameters that are used to override and extend the *parameters*.

Type: Microsoft.SharePoint.Client.RenderListDataOverrideParameters

3.2.5.79.2.1.13 CreateDocumentAndGetEditLink

Return Type: CSOM String

Creates a document at the path and of the type specified within the current list. Returns an edit link to the file.

Parameters:

fileName: Specifies the name of the document.

Type: CSOM String

If null or empty, the document will be given an automatically-created name.

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folderPath: Specifies the path within the current list to create the document in.

Type: CSOM String

documentTemplateType: A number representing the type of document to create.

Type: **CSOM Int32**

Valid values are: 1 = Word, 2 = Excel, 3 = PowerPoint.

templateUrl: Specifies the **URL** of the **document template (2)** to base the new document on.

Type: CSOM String

MUST be a **site-relative URL** or **server-relative URL** or **full URL** that refers to a file stored within the **site (2)** that contains the current **list**.

3.2.5.79.2.1.14 GetSpecialFolderUrl

Return Type: CSOM String

Gets the relative URL of the Save to OneDrive folder.

Parameters:

type: The Save-to-OneDrive type.

Type: Microsoft.SharePoint.Client.SpecialFolderType

bForceCreate: Specify true if the folder doesn't exist and SHOULD be created.

Type: **CSOM Boolean**

existingFolderGuid: The GUID of the created folders that exist, if any.

Type: **CSOM GUID**

3.2.5.79.2.1.15 GetWebDavUrl

Return Type: CSOM String

Gets the trusted URL for opening the folder in Explorer view.

Parameters:

sourceUrl: The URL of the current folder the user is in.

Type: CSOM String

3.2.5.79.2.1.16 RenderListContextMenuData

Return Type: CSOM Stream

Returns the data for the specific list context menu item request.

Parameters:

parameters: The parameters to return the data.

Type: Microsoft.SharePoint.Client.RenderListContextMenuDataParameters

3.2.5.79.2.1.17 RenderListFilterData

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Return Type: **CSOM Stream**

Returns the data for the specific field filter item request.

Parameters:

parameters: The parameters to return the data.

Type: Microsoft.SharePoint.Client.RenderListFilterDataParameters

3.2.5.79.2.1.18 AddValidateUpdateItem

Return Type: **CSOM array** of Microsoft.SharePoint.Client.ListItemFormUpdateValue

Adds an item to an existing list and validate the list item update values. If all fields validated successfully, commit all changes. If there's any exception in any of the fields, the item will not be committed.

Parameters:

listItemCreateInfo: Contains the information that determines how the item will be created.

Type: Microsoft.SharePoint.Client.ListItemCreationInformation

formValues: A collection of field internal names and values for the given field. If the collection is empty, no update will take place.

Type: CSOM array of Microsoft.SharePoint.Client.ListItemFormUpdateValue

It MUST NOT be NULL.

bNewDocumentUpdate: Indicates whether the list item is a document being updated after upload. A value of "true" means yes.

Type: **CSOM Boolean**

checkInComment: The comment of the check in if any. It's only applicable when the item is checked out.

Type: **CSOM String**

3.2.5.79.2.1.19 AddValidateUpdateItemUsingPath

Return Type: **CSOM array** of Microsoft.SharePoint.Client.ListItemFormUpdateValue

Adds an item to an existing list and validate the list item update values. If all fields validated successfully, commit all changes. If there's any exception in any of the fields, the item will not be committed.

Parameters:

listItemCreateInfo: Specifies the creation information that determines how the item will be created.

Type: Microsoft.SharePoint.Client.ListItemCreationInformationUsingPath

formValues: A collection of field internal names and values for the given field. If the collection is empty, no update will take place.

Type: CSOM array of Microsoft.SharePoint.Client.ListItemFormUpdateValue

It MUST NOT be NULL.

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bNewDocumentUpdate: Indicates whether the list item is a document being updated after upload. A value of "true" means yes.

Type: **CSOM Boolean**

checkInComment: Checkin comment (if any). It's only applicable when the item is checked out.

Type: **CSOM String**

3.2.5.79.2.1.20 BulkValidateUpdateListItems

Return Type: **CSOM array** of Microsoft.SharePoint.Client.ListItemFormUpdateValue

Validate and update multiple list items.

Parameters:

itemIds: A collection of item Ids that need to be updated with the same formValues.

Type: CSOM array of **CSOM Int32**

It MUST NOT be NULL.

formValues: A collection of field internal names and values for the given field. If the collection is empty, no update will take place.

Type: CSOM array of Microsoft.SharePoint.Client.ListItemFormUpdateValue

It MUST NOT be NULL.

bNewDocumentUpdate: Indicates whether the list item is a document being updated after upload. A value of "true" means yes.

Type: **CSOM Boolean**

checkInComment: The comment of check in if any. It's only applicable when the item is checked out.

Type: **CSOM String**

folderPath: Decoded path of the folder where the items belong to. If not provided, the server will try to find items to update under root folder.

Type: CSOM String

3.2.5.79.2.1.21 CreateDocumentWithDefaultName

Return Type: **CSOM String**

Creates a empty document with default filename with the given extension at the path given by folderPath. Returns the name of the newly created document.

Parameters:

folderPath: The path within the current list at which to create the document.

Type: CSOM String

extension: The file extension without dot prefix.

Type: CSOM String

3.2.5.79.2.1.22 GetListDataAsStream

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This method is a **static CSOM method**.

Return Type: CSOM Stream

Returns list data from the specified list url and for the specified query parameters.

Parameters:

listFullUrl: The **absolute URL** of the list.

Type: **CSOM String**

parameters: The parameters to be used.

Type: Microsoft.SharePoint.Client.RenderListDataParameters

It MUST NOT be NULL.

overrideParameters: Additional parameters to be used.

Type: Microsoft.SharePoint.Client.RenderListDataOverrideParameters

3.2.5.79.2.1.23 RenderExtendedListFormData

Return Type: CSOM String

Fetch listform data for the specified item.

Parameters:

itemId: The ID of the item.

Type: **CSOM Int32**

It MUST NOT be NULL.

formId: The ID of the form.

Type: CSOM String

It MUST NOT be NULL.

mode: The mode of form control. It MUST be one of the following values: 1 for "Display" mode, 2 for "Edit" mode or 3 for "New" mode.

Type: CSOM Int32

It MUST NOT be NULL.

options: Additional options controlling what type of item information and schema are returned.

Type: Microsoft.SharePoint.Client.RenderListFormDataOptions

cutoffVersion: The maximum version of the item to fetch.

Type: CSOM Int32

3.2.5.79.2.1.24 SaveAsTemplate

Return Type: None

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Saves the list as a template in the list template gallery and includes the option of saving with or without the data that is contained in the current list.

Parameters:

strFileName: A string that contains the file name for the list template with an .stp extension.

Type: **CSOM String**

strName: A string that contains the title for the list template.

Type: CSOM String

strDescription: A string that contains the description for the list template.

Type: CSOM String

bSaveData: true to save the data of the original list along with the list template; otherwise, false.

Type: **CSOM Boolean**

3.2.5.79.2.1.25 SetExemptFromBlockDownloadOfNonViewableFiles

Return Type: None

Method to set the ExemptFromBlockDownloadOfNonViewableFiles property. Ensures that only a tenant administrator can set the exemption.

Parameters:

value: The value to set.

Type: **CSOM Boolean**

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

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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

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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

3.2.5.79.2.2.9 CreateDocument

Return Type: Microsoft.SharePoint.Client.ListItem

Creates a new document in the specified folder and that is based on the provided template type.

Parameters:

fileName: The name of the document.

Type: **CSOM String**

If null or empty, a name will be automatically provided.

targetFolder: The folder to create the document within.

Type: Microsoft.SharePoint.Client.Folder

templateType: The template type the new document is created with.

Type: Microsoft.SharePoint.Client.DocumentTemplateType

3.2.5.79.2.2.10 CreateDocumentFromTemplate

Return Type: Microsoft.SharePoint.Client.ListItem

Creates a new document in the specified folder and that is based on the template at the provided URL.

Parameters:

fileName: The name of the document.

Type: **CSOM String**

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If null or empty, a name will be automatically provided.

targetFolder: The folder to create the document within.

Type: Microsoft.SharePoint.Client.Folder

templateUrl: The URL of the template to create the document with.

Type: CSOM String

3.2.5.79.2.2.11 CreateDocumentFromTemplateBytes

Return Type: Microsoft.SharePoint.Client.ListItem

Creates a new document in the specified folder and that is based on the provided template bytes.

Parameters:

fileName: The name of the document.

Type: **CSOM String**

If null or empty, a name will be automatically provided.

targetFolder: The folder to create the document within.

Type: Microsoft.SharePoint.Client.Folder

templateBytes: The template bytes to create the document from.

Type: **CSOM binary**

The template bytes to create the document from.

extension: The extension of the document.

Type: CSOM String

In the case that a filename is not provided, the extension can be used to automatically generate a filename.

3.2.5.79.2.2.12 CreateDocumentFromTemplateStream

Return Type: Microsoft.SharePoint.Client.ListItem

Creates a new document in the specified folder and based on the provided template stream.

Parameters:

fileName: The name of the document.

Type: **CSOM String**

If null or empty, a name will be automatically provided.

targetFolder: The folder to create the document within.

Type: Microsoft.SharePoint.Client.Folder

extension: The extension of the document.

Type: CSOM String

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In the case that a filename is not provided, the extension can be used to automatically generate a filename.

templateStream: The template stream to create the document from.

Type: **CSOM Stream**

3.2.5.79.2.2.13 AddItemUsingPath

Return Type: Microsoft.SharePoint.Client.ListItem

Adds a ListItem to an existing List.

Parameters:

parameters: The object that contains thqe information determining how the list item will be created.

Type: Microsoft.SharePoint.Client.ListItemCreationInformationUsingPath

3.2.5.79.2.2.14 CreateDocumentFromTemplateUsingPath

Return Type: Microsoft.SharePoint.Client.ListItem

Creates a new document in the target folder based on the template Path provided.

Parameters:

filePath: The path of the document to create.

Type: Microsoft.SharePoint.Client.ResourcePath

targetFolder: The target folder to create the document. It MUST NOT be null.

Type: Microsoft.SharePoint.Client.Folder

templatePath: The path of the template. It MUST NOT be null.

Type: Microsoft.SharePoint.Client.ResourcePath

3.2.5.79.2.2.15 GetBloomFilter

Return Type: Microsoft.SharePoint.Client.ListBloomFilter

Generates a Bloom filter (probabilistic structure for checking the existence of list items) for the current list

Parameters:

startItemId: The ID of the list item to start the search at.

Type: **CSOM Int32**

3.2.5.79.2.2.16 GetBloomFilterWithCustomFields

Return Type: Microsoft.SharePoint.Client.ListBloomFilter

Generates a Bloom filter (probabilistic structure for checking the existence of list items) for the current list with fields provided to read.

Parameters:

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listItemStartingID: The ID of the list item to start the search at.

Type: **CSOM Int32**

internalFieldNames: A list of internal fields to read from.

Type: **CSOM array** of **CSOM String**

3.2.5.79.2.2.17 GetCheckedOutFiles

Return Type: Microsoft.SharePoint.Client.CheckedOutFileCollection

Returns a collection of checked-out files as specified in section 3.2.5.381.

Parameters: None

3.2.5.79.2.2.18 getFileExtendedActivities

Return Type: Microsoft.SharePoint.Activities.SPActivityEntitySet

Gets all activities that have happened for the user for the document after the user's linger time.

Parameters:

docIds: List of identifiers of documents. Maximum number allowed is 50.

Type: **CSOM array** of **CSOM GUID**

badgeOnly: True if user wants only the badge.

Type: **CSOM Boolean**

3.2.5.79.2.2.19 GetItemByUniqueId

Return Type: Microsoft.SharePoint.Client.ListItem

Returns the list item with the specified ID.

Parameters:

uniqueId: The unique ID that is associated with the **list item**.

Type: **CSOM GUID**

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

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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.MetadataObjectNotFoundException	**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 (2)**.
-2130575237	Microsoft.SharePoint.SPException	**List server template** is not valid.

3.2.5.80.2.2.2 EnsureClientRenderedSitePagesLibrary

Return Type: Microsoft.SharePoint.Client.List

Returns a list that is designated as a default location for site pages.

Parameters: None

3.2.5.80.2.2.3 EnsureEventsList

Return Type: Microsoft.SharePoint.Client.List

Returns a list that is designated as a default location for events.

Parameters: None

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3.2.5.80.2.2.4 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

3.2.5.80.2.2.5 EnsureSitePagesLibrary

Return Type: Microsoft.SharePoint.Client.List

Returns a **list** that is designated as a default location for wiki pages.

Parameters: None

3.2.5.80.2.2.6 GetById

Return Type: Microsoft.SharePoint.Client.List

Returns the **list** with the specified **list identifier**.

Parameters:

id: Specifies the list identifier.

Type: **CSOM GUID**

3.2.5.80.2.2.7 GetByTitle

Return Type: Microsoft.SharePoint.Client.List

Returns the **list** with the specified **display name**.

Parameters:

title: 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

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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 (1)** 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 (2)**.

3.2.5.81.1.1.6 TemplateFeatureId

Type: **CSOM GUID**

Accessibility: Read/Write

Specifies the **feature identifier** of the **feature** that contains the **list schema** for the new **list**. 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

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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

3.2.5.81.1.2.1 ListTemplate

Type: Microsoft.SharePoint.Client.ListTemplate

Accessibility: Read/Write

Specifies the list template to be used to create a new list.

3.2.5.82 Microsoft.SharePoint.Client.ListDataSource

TypeId: {06BFE4A5-1516-4B55-A6D7-ECBE3FF7A3C8}

ShortName: SP.ListDataSource

Stores the parameters required for a **list** to communicate with its external data source.

3.2.5.82.1 Properties

3.2.5.82.1.1 Scalar Properties

3.2.5.82.1.1.1 Properties

Type: **CSOM dictionary**

Accessibility: Read Only

Specifies the properties about the external data source.

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}

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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

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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.

3.2.5.85.1 Field Values

3.2.5.85.1.1 DataFailure

Value: 0

The data validation formula evaluates to false or to a value equivalent to false.

3.2.5.85.1.2 FormulaError

Value: 1

The data validation formula contains an error.

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3.2.5.86 Microsoft.SharePoint.Client.ListDataValidationType

ShortName: SP.ListDataValidationType

Flag: false

This enum describes the type of validation that triggered the failure.

3.2.5.86.1 Field Values

3.2.5.86.1.1 UserFormulaField

Value: 0

This is a field validation formula created by a list author.

3.2.5.86.1.2 UserFormulaItem

Value: 1

This is an item validation formula created by a list author.

3.2.5.86.1.3 RequiredField

Value: 2

No value was provided for a required field.

3.2.5.86.1.4 ChoiceField

Value: 3

The value was not one of the available choices for the field.

3.2.5.86.1.5 MinMaxField

Value: 4

The value violated the field's **MinimumValue** (section 3.2.5.53.1.1.14) or **MaximumValue** (section 3.2.5.53.1.1.13) constraints.

3.2.5.86.1.6 TextField

Value: 5

The value violated the field's **MaxLength** constraint (section 3.2.5.57.1.1.13).

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.

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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 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

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Field type	Mapping to a value
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**.
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 Client_Title, CommentsDisabled, CommentsDisabledScope, DisplayName, EffectiveBasePermissions, EffectiveBasePermissionsForUI, HasUniqueRoleAssignments and IconOverlay 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

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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.

3.2.5.87.1.1.7 Client_Title

Type: **CSOM String**

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Accessibility: Read Only

Gets the title of the item.

3.2.5.87.1.1.8 CommentsDisabled

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether comments for this item are disabled or not.

3.2.5.87.1.1.9 CommentsDisabledScope

Type: Microsoft.SharePoint.Comments.CommentsDisabledScope

Accessibility: Read Only

Indicates at what scope comments are disabled.

3.2.5.87.1.1.10 IconOverlay

Type: **CSOM String**

Accessibility: Read/Write

This is an overlay icon for the item. If the parent list of the item does not already have the IconOverlay field and The user setting the property does not have rights to add the field to the list then the property will not be set for the item.

3.2.5.87.1.1.11 ServerRedirectedEmbedUri

Type: **CSOM String**

Accessibility: Read Only

Returns the path for previewing a document in the browser, often in an interactive way, if that feature exists.

3.2.5.87.1.1.12 ServerRedirectedEmbedUrl

Type: **CSOM String**

Accessibility: Read Only

Returns the URL for previewing a document in the browser, often in an interactive way, if that feature exists. This is currently used in the hovering panel of search results and document library.

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

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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

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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**.

3.2.5.87.1.2.11 GetDlpPolicyTip

Type: Microsoft.SharePoint.Client.DlpPolicyTip

Accessibility: Read Only

Gets the Data Loss Protection policy tip notification for this item.

3.2.5.87.1.2.12 Activities

Type: Microsoft.SharePoint.Activities.SPActivityEntitySet

Accessibility: Read Only

Returns from the Activities Table the collection of all activities.

3.2.5.87.1.2.13 Properties

Type: Microsoft.SharePoint.Client.PropertyValues

Accessibility: Read Only

Gets a collection of all the properties for the list item.

It MUST NOT be NULL.

3.2.5.87.1.2.14 Versions

Type: Microsoft.SharePoint.Client.ListItemVersionCollection

Accessibility: Read Only

Gets the collection of item version objects that represent the versions of the item.

It MUST NOT be NULL.

3.2.5.87.2 Methods

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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
-	Microsoft.SharePoint.SPFieldValueException	Field (2) is required and **value** is NULL or empty,

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Error Code	Error Type Name	Condition
2130575155		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).

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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** and, if successfully validated, commits all changes. Returns the modified list of values with updated exception information.

Parameters:

formValues: Specifies a collection of **field internal names** and values for the given field (2).

Type: CSOM array of Microsoft.SharePoint.Client.ListItemFormUpdateValue

If the collection is empty, no update will take place.

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**

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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.

3.2.5.87.2.1.11 OverridePolicyTip

Return Type: Microsoft.SharePoint.Client.PolicyTipUserActionResult

Overrides the policy tip on this **list item**.

Parameters:

userAction: The user action to take.

Type: Microsoft.SharePoint.Client.PolicyTipUserAction

justification: The reason why the override is being done.

Type: **CSOM String**

3.2.5.87.2.1.12 SetCommentsDisabled

Return Type: None

Sets the value of **CommentsDisabled** (section 3.2.5.87.1.1.8) for the item.

Parameters:

value: The new value.

Type: **CSOM Boolean**

3.2.5.87.2.1.13 SystemUpdate

Return Type: None

Updates the database with changes made to the list item.

Parameters: None

Exceptions:

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Error Code	Error Type Name	Condition
-2130575305	Microsoft.SharePoint.SPException	Save Conflict. Your changes conflict with those made concurrently by another user. If you want your changes to be applied, click Back in your Web browser, refresh the page, and resubmit your changes.
-1	System.InvalidOperationException	Operation is not supported.

3.2.5.87.2.1.14 UpdateOverwriteVersion

Return Type: None

Updates the item without creating another version of the item.

Parameters: None

3.2.5.87.2.2 ObjectPath Methods

3.2.5.87.2.2.1 GetChanges

Return Type: Microsoft.SharePoint.Client.ChangeCollection

Returns from the change log the collection of all of the changes that have occurred within the scope of the SharePoint list item, based on the specified query.

Parameters:

query: The query parameters used to get the collection of changes from the change log.

Type: Microsoft.SharePoint.Client.ChangeQuery

It MUST NOT be NULL.

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.

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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-ECTPWPS] section 3.1.4.1.2.1.

Type: **CSOM String**

Exceptions:

Error Code	Error Type Name	Condition
-2130575338	Microsoft.SharePoint.SPException	List item does not exist, and the list 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

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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*1(NameValuePair 0*601("&" NameValuePair))

NameValuePair = Name "=" Value

Value = 1*(Alphanum / Mark / Escaped)

Name = 1*(Alphanum / Mark)

Escaped = "%" HEXDIG HEXDIG

Mark = "-" / "_" / "." / "!" / "~" / "*" / "'" / "(" / ")"

Alphanum = DIGIT / ALPHA

3.2.5.89.1.2 ObjectPath Properties

None.

3.2.5.90 Microsoft.SharePoint.Client.ListItemCreationInformation

TypeId: {54CDBEE5-0897-44AC-829F-411557FA11BE}

ShortName: SP.ListItemCreationInformation

Specifies the properties of the new **list item**.

3.2.5.90.1 Properties

3.2.5.90.1.1 Scalar Properties

3.2.5.90.1.1.1 FolderUrl

Type: **CSOM String**

Accessibility: Read/Write

Specifies the **folder** for the new **list item**.

It MUST be NULL, empty, a **server-relative URL**, or an **absolute URL**. If the value is a server-relative URL or an absolute URL, it MUST be under the **root folder** of the **list**.

3.2.5.90.1.1.2 LeafName

Type: **CSOM String**

Accessibility: Read/Write

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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.

Use the Web.ListTemplates property (section 3.2.5.143.1.2.13) to return a ListTemplateCollection (section 3.2.5.92) for a site collection. Use an indexer to return a single list definition or list template from the collection.

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**

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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 SP.ListTemplate 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.

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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

3.2.5.91.2.1.1 GetGlobalSchemaXml

Return Type: **CSOM Stream**

Retrieves the global schema.xml file.

Parameters: 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

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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:

name: 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

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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**.

3.2.5.93.1.10 DiscussionBoard

Value: 108

Specifies a **discussion board**.

3.2.5.93.1.11 PictureLibrary

Value: 109

Specifies a **picture library**.

3.2.5.93.1.12 DataSources

Value: 110

Specifies a **list** of **data sources** for a **site (2)**.

3.2.5.93.1.13 WebTemplateCatalog

Value: 111

Specifies a **site template gallery**.

3.2.5.93.1.14 UserInformation

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Value: 112

Specifies a **user information list**.

3.2.5.93.1.15 WebPartCatalog

Value: 113

Specifies a **Web Part gallery**.

3.2.5.93.1.16 ListTemplateCatalog

Value: 114

Specifies a **list template gallery**.

3.2.5.93.1.17 XMLForm

Value: 115

Specifies an **XML form library**.

3.2.5.93.1.18 MasterPageCatalog

Value: 116

Specifies a **master page gallery**.

3.2.5.93.1.19 NoCodeWorkflows

Value: 117

Specifies a **declarative workflow** library.

3.2.5.93.1.20 WorkflowProcess

Value: 118

Specifies a **form custom action workflow** library.

3.2.5.93.1.21 WebPageLibrary

Value: 119

Specifies a Wiki Page library.

3.2.5.93.1.22 CustomGrid

Value: 120

Specifies a **custom list** in **datasheet view**.

3.2.5.93.1.23 SolutionCatalog

Value: 121

Specifies a **site solution gallery**.

3.2.5.93.1.24 NoCodePublic

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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

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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

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Value: 420

Specifies a **list** to manage work hours in a group worksite.

3.2.5.93.1.45 Holidays

Value: 421

Specifies a **list** that can be used to add holidays to a calendar.

3.2.5.93.1.46 IMEDic

Value: 499

Specifies an **IME** dictionary list.

3.2.5.93.1.47 ExternalList

Value: 600

Specifies an **external list**.

3.2.5.93.1.48 IssueTracking

Value: 1100

Specifies an issue tracking **list**.

3.2.5.93.1.49 AdminTasks

Value: 1200

Specifies an Administrator **tasks list**.

3.2.5.93.1.50 HealthRules

Value: 1220

Specifies a Health Rules **list**.

3.2.5.93.1.51 HealthReports

Value: 1221

Specifies a Health Reports library.

3.2.5.93.1.52 InvalidType

Value: -1

Not used.

3.2.5.93.1.53 AccessRequest

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>

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3.2.5.93.1.54 DesignCatalog

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.

3.2.5.93.1.55 MaintenanceLogs

Value: 175

Specifies a maintenance log.<68>

3.2.5.93.1.56 AppDataCatalog

Value: 125

Specifies an **web application** data catalog.

3.2.5.93.1.57 TasksWithTimelineAndHierarchy

Value: 171

Specifies a tasks list with hierarchy and a timeline.

3.2.5.93.1.58 MySiteDocumentLibrary

Value: 700

Specifies a My Site Document library, the default document library on a user's My Site.<69>

3.2.5.93.1.59 DeveloperSiteDraftApps

Value: 1230

Stores a list of **apps (1)** deployed in a Developer Site. <70>

3.2.5.93.1.60 HelpLibrary

Value: 151

Specifies a help library.

3.2.5.93.1.61 AccessApp

Value: 3100

The list is an access app entry point.

3.2.5.93.1.62 SharingLinks

Value: 3300

The list is a list of sharing links.

3.2.5.93.1.63 AppFilesCatalog

Value: 126

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Specifies an App Files catalog.

3.2.5.93.1.64 PromotedLinks

Value: 170

PromotedLinks List (shown in classic homepage).

3.2.5.93.1.65 RecipesTable

Value: 3410

Recipes Library.

3.2.5.93.1.66 FormulasTable

Value: 3411

Formulas Table.

3.2.5.93.1.67 ItemReferenceCollection

Value: 3500

Collection List of Item Reference.

3.2.5.93.1.68 ItemReferenceReference

Value: 3501

Reference List of Item Reference.

3.2.5.93.1.69 ItemReferenceReferenceCollection

Value: 3502

Reference Collection List of Item Reference.

3.2.5.93.1.70 CertificateFileLists

Value: 1222

Certificate file list.

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.

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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**.

3.2.5.94.1.5 RetainEditorAndModifiedOnMove

Value: 1024

Specifies whether to retain the source of the move's editor and modified by datetime.

3.2.5.95 Microsoft.SharePoint.Client.Navigation

TypeId: {D6AA87A7-71B3-4BBE-BCA7-00AB1BD7D37F}

ShortName: SP.Navigation

Represents navigation operations at the **site collection** level.

3.2.5.95.1 Properties

3.2.5.95.1.1 Scalar Properties

3.2.5.95.1.1.1 UseShared

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether the **site (2)** inherits navigation. 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 (2)**. MUST be NULL if the Quick Launch is unavailable.

3.2.5.95.1.2.2 TopNavigationBar

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Type: Microsoft.SharePoint.Client.NavigationNodeCollection

Accessibility: Read Only

The collection of **navigation nodes** that correspond to links in the **link bar** of the **site (2)**. MUST be NULL if the top navigation bar is defined in a different site (2) or if the top navigation bar node collection has been deleted.

3.2.5.95.2 Methods

3.2.5.95.2.1 Scalar Methods

None.

3.2.5.95.2.2 ObjectPath Methods

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.

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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**.

3.2.5.96.1.1.7 ListTemplateType

Type: Microsoft.SharePoint.Client.ListTemplateType

Accessibility: Read Only

An SP.ListTemplateType object that returns the **list template** type of the **list**.

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.

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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**

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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

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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

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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.

3.2.5.99.1.10 NewForm

Value: 8

Specifies a **list form** for creating a new **list item**.

3.2.5.99.1.11 NewFormDialog

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Value: 9

Specifies a **list form** for creating a new **list item** that can be displayed within a dialog box on a client computer.

3.2.5.99.1.12 SolutionForm

Value: 10

Specifies a **list form** that is represented by a **form template (.xsn) file** and is used for displaying or editing a **list item**.

3.2.5.99.1.13 PAGE_MAXITEMS

Value: 11

Represents the total number of valid page types.

3.2.5.100 Microsoft.SharePoint.Client.Principal

TypeId: {8A76E712-17A1-4A40-B2DF-CCA7C060D78F}

ShortName: SP.Principal

Specifies a base type 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

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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>

3.2.5.100.1.2 ObjectPath Properties

None.

3.2.5.100.2 Methods

3.2.5.100.2.1 Scalar Methods

None.

3.2.5.100.2.2 ObjectPath Methods

None.

3.2.5.101 Microsoft.SharePoint.Client.PropertyValues

TypeId: {3973524D-2D5A-4683-AA39-38A2ACC6E63C}

ShortName: SP.PropertyValues

Contains the collection of name/value pairs of all the **CSOM expando fields**.

3.2.5.101.1 Properties

3.2.5.101.1.1 Scalar Properties

None.

3.2.5.101.1.2 ObjectPath Properties

None.

3.2.5.101.2 Methods

3.2.5.101.2.1 Scalar Methods

3.2.5.101.2.1.1 SetFieldValue

Return Type: None

Sets the value of the corresponding field to the value of the specified object.

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Parameters:

fieldName: A string that contains the field name.

Type: **CSOM String**

value: An object whose value is to be used to set this field.

Type: **CSOM Object**

3.2.5.101.2.2 ObjectPath Methods

None.

3.2.5.102 Microsoft.SharePoint.Client.QuickLaunchOptions

ShortName: SP.QuickLaunchOptions

Flag: false

Specifies whether the list will be displayed on the 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 on the Quick Launch Bar.

3.2.5.102.1.2 On

Value: 1

Indicates that the list will be displayed on the Quick Launch Bar.

3.2.5.102.1.3 DefaultValue

Value: 2

Indicates that the decision of the list being displayed on 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 (2)** or a **site collection**.

3.2.5.103.1 Properties

3.2.5.103.1.1 Scalar Properties

3.2.5.103.1.1.1 AuthorEmail

Type: **CSOM String**

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Accessibility: Read Only

Gets the **email address** of the **user (1)** who originally created the **Recycle Bin item**.

3.2.5.103.1.1.2 AuthorName

Type: **CSOM String**

Accessibility: Read Only

Gets the **user display name** of the **user (1)** who originally created the **Recycle Bin item**.

It MUST NOT be NULL.

3.2.5.103.1.1.3 DeletedByEmail

Type: **CSOM String**

Accessibility: Read Only

Gets the **email address** of the **user (1)** who deleted the **Recycle Bin item**.

3.2.5.103.1.1.4 DeletedByName

Type: **CSOM String**

Accessibility: Read Only

Gets the **user display name** of the **user (1)** who deleted the **Recycle Bin item**.

It MUST NOT be NULL.

3.2.5.103.1.1.5 DeletedDate

Type: **CSOM DateTime**

Accessibility: Read Only

Specifies when the **Recycle Bin item** was moved to the **Recycle Bin**.

3.2.5.103.1.1.6 DeletedDateLocalFormatted

Type: **CSOM String**

Accessibility: Read Only

Specifies when, in the default **time zone** for the current **site (2)**, the **Recycle Bin item** was moved to the **Recycle Bin**.

3.2.5.103.1.1.7 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.

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3.2.5.103.1.1.8 DirNamePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

Returns the site relative path of the list or folder that originally contained the Recycle Bin item.

It MUST NOT be NULL.

3.2.5.103.1.1.9 Id

Type: **CSOM GUID**

Accessibility: Read Only

Specifies the identifier of the **Recycle Bin item**.

It MUST NOT be an empty GUID.

3.2.5.103.1.1.10 ItemState

Type: Microsoft.SharePoint.Client.RecycleBinItemState

Accessibility: Read Only

Specifies the **Recycle Bin** stage of the **Recycle Bin item**.

It MUST NOT be None.

3.2.5.103.1.1.11 ItemType

Type: Microsoft.SharePoint.Client.RecycleBinItemType

Accessibility: Read Only

Specifies the type of the **Recycle Bin item**.

It MUST NOT be None.

3.2.5.103.1.1.12 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 260. It MUST NOT contain the following characters: \x00-\x1F, \x22, \x23, \x25, \x26, \x2A, \x3A, \x3C, \x3E, \x3F, \x5C and \x7B-\x9F.

3.2.5.103.1.1.13 LeafNamePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

Returns the leaf name path of the **Recycle Bin item**.

It MUST NOT be NULL. It MUST NOT contain the following characters: (["#%*:<>?\\|\x7F]).

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3.2.5.103.1.1.14 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.

3.2.5.103.1.1.15 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 MoveToSecondStage

Return Type: None

Moves the **Recycle Bin item** from the **first-stage Recycle Bin** to the **second-stage Recycle Bin** if the **SecondStageRecycleBinQuota** property on the current **web application** is not 0. Otherwise, deletes the item.

Parameters: None

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3.2.5.103.2.1.3 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 DeleteAllSecondStageItems

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Return Type: None

Permanently deletes all **Recycle Bin items** in the **second-stage Recycle Bin**.

Parameters: None

3.2.5.104.2.1.3 MoveAllToSecondStage

Return Type: None

Moves all **Recycle Bin items** from the **first-stage Recycle Bin** to the **second-stage Recycle Bin** if the **SecondStageRecycleBinQuota** property of the current **web application** is not 0. Otherwise, permanently deletes all Recycle Bin items.

Parameters: None

3.2.5.104.2.1.4 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".

3.2.5.104.2.2ObjectPath 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.

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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**.

3.2.5.106.1.3 FileVersion

Value: 2

Specifies that the **Recycle Bin item** is a **historical version** of a **file**.

3.2.5.106.1.4 ListItem

Value: 3

Specifies that the **Recycle Bin item** is a **list item**.

3.2.5.106.1.5 List

Value: 4

Specifies that the **Recycle Bin item** is a **list**.

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3.2.5.106.1.6 Folder

Value: 5

Specifies that the **Recycle Bin item** is a **folder**.

3.2.5.106.1.7 FolderWithLists

Value: 6

Specifies that the **Recycle Bin item** is a **folder** that contains a **list**.

3.2.5.106.1.8 Attachment

Value: 7

Specifies that the **Recycle Bin item** is an **attachment**.

3.2.5.106.1.9 ListItemVersion

Value: 8

Specifies that the **Recycle Bin item** is a **historical version** of a **list item**.

3.2.5.106.1.10 CascadeParent

Value: 9

Specifies that the **Recycle Bin item** is a **list item** that is the parent of one or more related list items.

3.2.5.106.1.11 Web

Value: 10

Specifies that the **Recycle Bin item** is a **site (2)**.<78>

3.2.5.106.1.12 App

Value: 11

Specifies that the **Recycle Bin item** is a **SharePoint Add-in**.

3.2.5.107 Microsoft.SharePoint.Client.RelatedField

TypeId: {A91DEB1A-2F24-4AC5-A1A6-3B1E530C307F}

ShortName: SP.RelatedField

Represents a Lookup Field that points to a given list on a **Web site**.

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

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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

Represents a collection of Lookup Fields that point to given lists.

3.2.5.108.1 Properties

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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

Returns an **SP.RelatedField** (section 3.2.5.107) specified by the identifier of the **SP.RelatedField**.

Parameters:

fieldId: Specifies the identifier of the **SP.RelatedField**.

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.

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3.2.5.110 Microsoft.SharePoint.Client.RequestContext

TypeId: {3747ADCD-A3C3-41B9-BFAB-4A64DD2F1E0A}

ShortName: SP.RequestContext

Provides basic WSS context information: site, web, list, and list item.

Use this class to return context information about such objects as the current Web application, site collection, site, list, or list item.

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 SP.RequestContext for the current HttpContext.

3.2.5.110.1.2.2 List

Type: Microsoft.SharePoint.Client.List

Accessibility: Read Only

Returns the list that is associated with the Windows SharePoint Services context.

3.2.5.110.1.2.3 Site

Type: Microsoft.SharePoint.Client.Site

Accessibility: Read Only

Returns the SP.Site object

It MUST NOT be NULL.

3.2.5.110.1.2.4 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

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None.

3.2.5.110.2.2 ObjectPath Methods

3.2.5.110.2.2.1 GetRemoteContext

Return Type: Microsoft.SharePoint.Client.RequestContext

Returns the SP.RequestContext for the mounted folder. Returns null if this is not an attempt to render or act upon a mounted folder.

Parameters: 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

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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

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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

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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 (2)** inherits permission levels from a **parent site**, and permission levels cannot be customized.

3.2.5.113.1.1.2 Description

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Type: **CSOM String**

Accessibility: Read/Write

Specifies the description of the **role definition**.

Its length MUST be equal to or less than 512.

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	**Site (2)** inherits permission levels from a **parent site**, 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

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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 (2)** with inherited permission levels.

3.2.5.113.1.1.7 RoleTypeKind

Type: Microsoft.SharePoint.Client.RoleType

Accessibility: Read Only

Specifies the type of the **role definition**.

Its value MUST be equal to or greater than 0. Its value MUST be equal to or less than 5.

3.2.5.113.1.2 ObjectPath Properties

None.

3.2.5.113.2 Methods

3.2.5.113.2.1 Scalar Methods

3.2.5.113.2.1.1 DeleteObject

Return Type: None

Deletes the **role definition object (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:

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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

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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 an **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 (2)**.

3.2.5.115.1 Properties

3.2.5.115.1.1 Scalar Properties

None.

3.2.5.115.1.2 ObjectPath Properties

None.

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3.2.5.115.2 Methods

3.2.5.115.2.1 Scalar Methods

3.2.5.115.2.1.1 RecreateMissingDefaultRoleDefinitions

Return Type: None

Recreates missing default role definitions. Requires that Microsoft.SharePoint.SPWeb has unique role definitions.

Parameters: 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 (2)**

3.2.5.115.2.2.2 GetById

Return Type: Microsoft.SharePoint.Client.RoleDefinition

Retrieves the **role definition** with the specified **Id** property from the collection.

Parameters:

id: Specifies the unique identifier of the role definition searched. The value of *id* does not correspond to the index of the role definition within the collection, but refers to the value of the **Id** property of the role definition.

Type: **CSOM Int32**

3.2.5.115.2.2.3 GetByName

Return Type: Microsoft.SharePoint.Client.RoleDefinition

Returns the **role definition** matching the *name* provided.

Parameters:

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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.

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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 (2)**.

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 (2)**. 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 (2)**; the reader cannot add content. When a reader creates a site (2), the reader becomes the site (2) owner and a **member** of the administrator role for the new site (2). This does not affect the user's role membership for any other site (2). Rights included are *CreateSSCSite*, *ViewListItems*, and *ViewPages*.

3.2.5.117.1.4 Contributor

Value: 3

The **role definition** has reader rights, and a right to add items, edit items, delete items, manage **list** permissions, manage personal views, personalize **Web Part Pages**, and browse directories. Includes all rights in the reader role, and *AddDelPrivateWebParts*, *AddListItems*, *BrowseDirectories*, *CreatePersonalGroups*, *DeleteListItems*, *EditListItems*, *ManagePersonalViews*, and

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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 (2)** 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 have access to, or can grant themselves access to, any item in the **site (2)**.

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**.

3.2.5.117.1.8 Reviewer

Value: 7

The **role definition** has reader rights, plus rights to Review items. Inclues all rights in the Reader role, plus the following: ReviewListItems. Reviewers cannot create new **lists** and **document libraries**, but they can add **comments** to existing **list items** or **documents**.

3.2.5.117.1.9 RestrictedReader

Value: 8

The **role definition** is a special reader role definition with restricted rights, it has a right to view the content of the file but cannot download the file directly. Includes all rights in the Guest role, plus the following: ViewPages, ViewListItems and ViewItemsRequiresOpen.

3.2.5.117.1.10 System

Value: 255

For SharePoint internal use only. System roles can not be deleted, nor modified.

3.2.5.118 Microsoft.SharePoint.Client.SecurableObject

TypeId: {1B1BF348-994E-44FD-823F-0748F5AD94C8}

ShortName: SP.SecurableObject

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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.

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clearSubscopes: If the securable object is a **site (2)**, and the *clearSubscopes* parameter is "true", the role assignments for all child securable objects in the current site (2) and in the sites (2) 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 (2)

3.2.5.118.2.1.2 ResetRoleInheritance

Return Type: None

Resets the role inheritance for the **securable object** and inherits **role assignments** from the parent securable object.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	There are uncommitted changes for the **site (2)**.

3.2.5.118.2.2 ObjectPath Methods

None.

3.2.5.119 Microsoft.SharePoint.Client.Site

TypeId: {E1BB82E8-0D1E-4E52-B90C-684802AB4EF6}

ShortName: SP.Site

Represents a collection of **sites (2)** in a **Web application**, including a **top-level site** and all of its **subsites**.

The CanUpgrade, CommentsOnSitePagesDisabled, ServerRelativePath, ShowPeoplePickerSuggestionsForGuestUsers, StatusBarLink, StatusBarText, ThicketSupportDisabled, UpgradeInfo and Usage properties are not included in the **default scalar property set** for this type.

3.2.5.119.1 Properties

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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**.

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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 (2)**, including **host name**, port number and path.

This property MUST NOT end with a forward slash ("/").

3.2.5.119.1.1.10 Usage

Type: Microsoft.SharePoint.Client.UsageInfo

Accessibility: Read Only

Specifies usage information about the **site (2)**, including bandwidth, storage, and the number of visits to the **site collection**.

3.2.5.119.1.1.11 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**

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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 a 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**

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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".

3.2.5.119.1.1.26 AuditLogTrimmingRetention

Type: **CSOM Int32**

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Accessibility: Read/Write

Gets or sets the number of days of audit log data to retain. If unset and audit trimming is enabled, the retention defaults to one schedule window of the administrator-configured schedule for trimming.

3.2.5.119.1.1.27 CurrentChangeToken

Type: Microsoft.SharePoint.Client.ChangeToken

Accessibility: Read Only

Gets the current change token that is used in the change log for the site collection.

3.2.5.119.1.1.28 ExternalSharingTipsEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

Gets a **Boolean** value that specifies whether users will be greeted with a notification bar telling them that the site can be shared with external users. The value is true if the notification bar is enabled; otherwise, it is false.

3.2.5.119.1.1.29 NeedsB2BUpgrade

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether the site needs a Build-to-Build upgrade.

3.2.5.119.1.1.30 SandboxedCodeActivationCapability

Type: Microsoft.SharePoint.Client.SandboxedCodeActivationCapabilities

Accessibility: Read/Write

Gets or sets the sandboxed code capability for the site collection. The default is set to Check.

3.2.5.119.1.1.31 ShareByEmailEnabled

Type: **CSOM Boolean**

Accessibility: Read/Write

When true, users will be able to grant permissions to guests for resources within the site collection.

3.2.5.119.1.1.32 TrimAuditLog

Type: **CSOM Boolean**

Accessibility: Read/Write

When this flag is set for the site, the audit events are trimmed periodically.

3.2.5.119.1.1.33 UpgradeScheduled

Type: **CSOM Boolean**

Accessibility: Read/Write

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Specifies whether the upgrade has been scheduled. It can only be set to false by a farm administrator. To set it to true, set the **UpgradeScheduledDate** (section 3.2.5.119.1.1.34) to a future time.

3.2.5.119.1.1.34 UpgradeScheduledDate

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the upgrade scheduled date in **UTC (Coordinated Universal Time)**. Only the Date part is used. If **UpgradeScheduled** (section 3.2.5.119.1.1.33) is false, returns **SqlDateTime.MinValue**.

3.2.5.119.1.1.35 DisableCompanyWideSharingLinks

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether company-wide sharing links are disabled on all child sites. True means company-wide sharing links are disabled throughout the site collection, regardless of the settings on the root or child sites. False means each site can individually decide whether to turn on or off company-wide sharing links.

3.2.5.119.1.1.36 Classification

Type: CSOM String

Accessibility: Read/Write

Gets or sets the classification of this site.

3.2.5.119.1.1.37 CommentsOnSitePagesDisabled

Type: CSOM Boolean

Accessibility: Read/Write

Indicates whether comments on site pages are disabled or not.

3.2.5.119.1.1.38 ResourcePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

The full Path of the site, including hostname and portnumber. Example: "http://HostName:80" for standalone case It does not end with "/".

3.2.5.119.1.1.39 ServerRelativePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

Gets the server-relative path of the root Web site in the site collection.

3.2.5.119.1.1.40 ShowPeoplePickerSuggestionsForGuestUsers

Type: CSOM Boolean

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Accessibility: Read/Write

Represents the option to search for existing guest users via the people picker.

3.2.5.119.1.1.41 StatusBarLink

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the status bar message link target for this site.

3.2.5.119.1.1.42 StatusBarText

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the status bar message text for this site.

3.2.5.119.1.1.43 ThicketSupportDisabled

Type: **CSOM Boolean**

Accessibility: Read Only

Gets a Boolean value to see if support for html thicket files is enabled or disabled.

3.2.5.119.1.2ObjectPath Properties

3.2.5.119.1.2.1 Features

Type: Microsoft.SharePoint.Client.FeatureCollection

Accessibility: Read Only

Specifies the collection of the **site collection** features for the site collection that contains the **site (2)**.

3.2.5.119.1.2.2 RecycleBin

Type: Microsoft.SharePoint.Client.RecycleBinItemCollection

Accessibility: Read Only

Specifies the collection of **Recycle Bin items** for the **site collection**.

3.2.5.119.1.2.3 RootWeb

Type: Microsoft.SharePoint.Client.Web

Accessibility: Read Only

Specifies the **top-level site** of the **site collection**.

3.2.5.119.1.2.4 UserCustomActions

Type: Microsoft.SharePoint.Client.UserCustomActionCollection

Accessibility: Read Only

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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 (2)**.<93>

3.2.5.119.1.2.7 Audit

Type: Microsoft.SharePoint.Client.Audit

Accessibility: Read Only

Gets an audit store that is attached to the site collection.

3.2.5.119.1.2.8 SecondaryContact

Type: Microsoft.SharePoint.Client.User

Accessibility: Read/Write

Gets or sets the secondary contact that is used for the site collection. The user that is specified by the **SecondaryContact** property SHOULD NOT be identical to the user that is specified by the **Owner** (section 3.2.5.119.1.2.5) property.

3.2.5.119.2 Methods

3.2.5.119.2.1 Scalar Methods

3.2.5.119.2.1.1 CreateMigrationJob

Return Type: CSOM GUID

Creates a new migration import job and queues it up for later processing by a separate timer job. The job will consume a well formed (pre-defined format) import package that is located in the Azure Blob Storage Containers specified in this method. The SLA for migration job processing is controlled through pre-configured queue and work-load throttling settings, and there is no guaranteed SLA or return time for a submitted job.

Once processed, the job results are placed into log files at the *azureContainerManifestUri* location if that was set to be writable in the SAS token specified in the URI. The same output log is also placed at the "_catalogs/MaintenanceLogs" location of the target site collection as a text file. The logs will only be copied to the destination locations once the job has finished and is removed from the queue. The output of the log files SHOULD be examined and verified to determine if further work is required post-import.

The unique identifier for the migration job is returned if the job is successfully queued, or if unsuccessful, a null value will be returned. The migration job unique identifier can be used to query

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the migration job status while it is in the queue or being processed by using the **GetMigrationJobStatus** (section 3.2.5.119.2.1.6) method.

Parameters:

gWebId: The unique identifier for the targeted destination web for the package import. Addition information and identifiers for the import are specified within the import package itself.

Type: CSOM GUID

azureContainerSourceUri: A valid URL including SAS token for accessing the Azure Blob Storage Container that contains the binary files of type block.

Type: **CSOM String**

azureContainerManifestUri: A valid URL including SAS token for accessing the Azure Blob Storage Container that contains the manifest. If write access is granted in the SAS token in this URI, then it will also be used for the log output. This can be the same URL as *azureContainerSourceUri*.

Type: CSOM String

azureQueueReportUri: A valid URL including SAS token for accessing the user-provided Azure Queue. If not null, and proper access is granted in the SAS token in this URI, it will be used for a real-time status update.

Type: CSOM String

3.2.5.119.2.1.2 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

3.2.5.119.2.1.3 DeleteMigrationJob

Return Type: CSOM Boolean

Deletes the given migration job from the queue. Returns true if the migration job is found in the queue and successfully deleted. If the job is not found, false is returned.

Parameters:

id: The unique identifier of the migration job returned from the **CreateMigrationJob** (section 3.2.5.119.2.1.1) method.

Type: **CSOM GUID**

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3.2.5.119.2.1.4 Exists

This method is a **static CSOM method**.

Return Type: **CSOM Boolean**

Determines if a site with the specified url exists.

Parameters:

url: The absolute url of a site.

Type: **CSOM String**

3.2.5.119.2.1.5 ExtendUpgradeReminderDate

Return Type: None

Extend the upgrade reminder date for this **site collection**, so that **site collection administrators** will not be reminded to run a site collection upgrade before the new date.<95>

Parameters: None

3.2.5.119.2.1.6 GetMigrationJobStatus

Return Type: Microsoft.SharePoint.Client.MigrationJobState

Queries the queue status for the specified migration job. It is an optional check after calling the **CreateMigrationJob** (section 3.2.5.119.2.1.1) method. Once the migration job has completed, it will no longer show up in the queue and the log output SHOULD be checked for detailed status.

The migration job status is returned if the job is found in the queue. If unsuccessful, a value of None (0) is returned.

Parameters:

id: The unique identifier of the migration job returned from the **CreateMigrationJob** (section 3.2.5.119.2.1.1) method.

Type: **CSOM GUID**

3.2.5.119.2.1.7 GetWebPath

Return Type: Microsoft.SharePoint.Client.ResourcePath

Gets the absolute URL of the web specified by the SiteId and WebId.

Parameters:

siteId: The ID of the site collection.

Type: **CSOM GUID**

webId: The ID of the web.

Type: CSOM GUID

3.2.5.119.2.1.8 Invalidate

Return Type: None

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Invalidates cached upgrade information about the **site collection** so that this information will be recomputed the next time it is needed.<96>

Parameters: None

3.2.5.119.2.1.9 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

3.2.5.119.2.1.10 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

3.2.5.119.2.1.11 UpdateClientObjectModelUseRemoteAPIsPermissionSetting

Return Type: None

Sets whether the client-side object model (CSOM) requests that are made in the context of any **site (2)** 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 (2) inside the site collection require *UseRemoteAPIs* permission.

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Type: **CSOM Boolean**

3.2.5.119.2.2ObjectPath 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 (2)**.

Parameters:

web: Specifies the site (2) that contains the custom list templates to be returned.

Type: Microsoft.SharePoint.Client.Web

3.2.5.119.2.2.4 OpenWeb

Return Type: Microsoft.SharePoint.Client.Web

Opens a new **site (2)** by using the specified **URL**.

Parameters:

strUrl: Specifies the **server-relative URL** or **site-relative URL** of the site (2) to open. If **strUr**l is empty, the **top-level site** MUST be opened.

Type: **CSOM String**

It MUST NOT be NULL.

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3.2.5.119.2.2.5 OpenWebById

Return Type: Microsoft.SharePoint.Client.Web

Returns the **site (2)** with the specified GUID.

Parameters:

gWebId: A GUID that specifies which site (2) to return.

Type: **CSOM GUID**

3.2.5.119.2.2.6 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 (2)** to return from the site collection. If this value is 0, the compatibility level of the site (2) 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 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**

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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

3.2.5.119.2.2.8 GetMigrationStatus

Return Type: Microsoft.SharePoint.Client.SPMigrationJobStatusCollection

Queries the queue status for all migration jobs. It is an optional check after calling the **CreateMigrationJob** (section 3.2.5.119.2.1.1) method. Once the migration job has completed, it will no longer show up in the queue and the log output SHOULD be checked for detailed status.
The migration job status is returned if the job is found in the queue. If unsuccessful, a value of None (0) is returned.

Parameters: None

3.2.5.119.2.2.9 GetRecycleBinItems

Return Type: Microsoft.SharePoint.Client.RecycleBinItemCollection

Returns a collection of **Recycle Bin items** within this **site collection**.

Parameters:

pagingInfo: A string describing paging information for the next page of Recycle Bin items.

Type: **CSOM String**

MUST be formatted as a **URL-encoded** form body as described in [HTML] section 17.13.4 - Form content types. MUST contain the following **key value pairs (KVP)**.

Key name	Description of value	Type of value
id	The **item identifier** of the Recycle Bin item to display first on the next page of Recycle Bin items.	**CSOM GUID**
title	The title of the Recycle Bin item to display first on the next page of Recycle Bin items.	CSOM String
searchValue	The value to search for in the **column** specified by the *orderBy* parameter.	CSOM String

rowLimit: The maximum number of Recycle Bin items to retrieve.

Type: **CSOM Int32**

isAscending: Specifies whether the Recycle Bin items are sorted in ascending order by the column specified in the *orderBy* parameter. A value of true indicates ascending order, and a value of false indicates descending order.

Type: **CSOM Boolean**

orderBy: The column to sort results by.

Type: Microsoft.SharePoint.Client.RecycleBinOrderBy

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itemState: Specifies whether to retrieve items from the **first-stage Recycle Bin** or the **second-stage Recycle Bin**.

Type: Microsoft.SharePoint.Client.RecycleBinItemState

3.2.5.119.2.2.10 OpenWebUsingPath

Return Type: Microsoft.SharePoint.Client.Web

Opens a new SP.Web using the exact path of the web.

Parameters:

path: The **SP.ResourcePath** (section 3.2.5.420) that contains the server relative or web relative path of the **SP.Web** (section 3.2.5.143) to open.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

3.2.5.120 Microsoft.SharePoint.Client.SubwebQuery

TypeId: {E3A4D63C-876B-4E24-A972-7664437146FE}

ShortName: SP.SubwebQuery

Defines a query to specify which child **Web sites** to return from a Web site.

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

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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.

3.2.5.121.1.4 Invalid

Value: -1

An invalid template file type. MUST NOT be used by any page.

3.2.5.121.1.5 ClientSidePage

Value: 3

A client side page uses the default client side page template.

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.

3.2.5.122.1.2 Image

Value: 1

Represents an image that serves as a hyperlink.

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3.2.5.123 Microsoft.SharePoint.Client.UsageInfo

TypeId: {7EC28504-35F9-4FCF-A09F-401024417292}

ShortName: SP.UsageInfo

Provides fields that are used to access information about **site collection** usage.

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

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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.

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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.

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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>

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.

3.2.5.124.1.1.9 IsShareByEmailGuestUser

Type: **CSOM Boolean**

Accessibility: Read Only

Gets a value indicating whether this User is a share by email guest user.

If this instance is a share by email guest user, it's true; otherwise, false.

3.2.5.124.1.1.10 IsEmailAuthenticationGuestUser

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the User is a share by email guest user using time of access authentication.

If this instance is an email authentication guest user, this value MUST be true, otherwise it MUST be false.

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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>

3.2.5.124.1.2.2 Alerts

Type: Microsoft.SharePoint.Client.AlertCollection

Accessibility: Read Only

Gets site alerts for this user.

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

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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**

3.2.5.125.2.2ObjectPath 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.

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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:

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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**.

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3.2.5.127.1 Properties

3.2.5.127.1.1 Scalar Properties

3.2.5.127.1.1.1 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component associated with this custom action.

3.2.5.127.1.1.2 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.127.1.1.3 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.

3.2.5.127.1.1.4 Description

Type: **CSOM String**

Accessibility: Read/Write

Specifies the description for the **custom action**.

3.2.5.127.1.1.5 Group

Type: **CSOM String**

Accessibility: Read/Write

Specifies an implementation-specific value that determines the position of the **custom action** on the page.

3.2.5.127.1.1.6 Id

Type: **CSOM GUID**

Accessibility: Read Only

Specifies the identifier of the **custom action**.

3.2.5.127.1.1.7 ImageUrl

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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**.

3.2.5.127.1.1.8 Location

Type: **CSOM String**

Accessibility: Read/Write

Specifies an implementation-specific value that determines which pages display the **custom action**.

3.2.5.127.1.1.9 Name

Type: **CSOM String**

Accessibility: Read/Write

Specifies the name of the **custom action**.

3.2.5.127.1.1.10 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**.

3.2.5.127.1.1.11 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**.

3.2.5.127.1.1.12 Rights

Type: Microsoft.SharePoint.Client.BasePermissions

Accessibility: Read/Write

Specifies the **permissions** needed for the **custom action**.

It MUST NOT be NULL.

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3.2.5.127.1.1.13 Scope

Type: Microsoft.SharePoint.Client.UserCustomActionScope

Accessibility: Read Only

Specifies the scope of the **custom action**.

3.2.5.127.1.1.14 ScriptBlock

Type: **CSOM String**

Accessibility: Read/Write

Specifies the [ECMA-262-1999] script to be executed when the **custom action** is performed. It MUST be NULL if *Location* is not "ScriptLink".

3.2.5.127.1.1.15 ScriptSrc

Type: **CSOM String**

Accessibility: Read/Write

Specifies the **URI** of a **file** that contains the [ECMA-262-1999] script to execute on the page. It MUST be NULL if *Location* is not "ScriptLink".

It MUST be NULL, or a **server-relative URL**.

3.2.5.127.1.1.16 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.

3.2.5.127.1.1.17 Title

Type: **CSOM String**

Accessibility: Read/Write

Specifies the **display name** for the **custom action**.

3.2.5.127.1.1.18 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, is MUST be a **server-relative URL**.

3.2.5.127.1.1.19 VersionOfUserCustomAction

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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

3.2.5.127.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the **SP.UserResource** object that corresponds to the Description for this object.

3.2.5.127.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Returns the **UserResource** object that corresponds to the Title for this object.

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:

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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

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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:

id: 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**.

3.2.5.129.1.4 ProgId

Value: 3

Specifies that the **custom action** is associated with a **ProgID**.

3.2.5.129.1.5 FileType

Value: 4

Specifies that the **custom action** is associated with a **file extension**.

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3.2.5.130 Microsoft.SharePoint.Client.UserCustomActionScope

ShortName: SP.UserCustomActionScope

Flag: false

Specifies the scope of the **custom action**.

3.2.5.130.1 Field Values

3.2.5.130.1.1 Unknown

Value: 0

Specifies that the scope of the **custom action** is not specified.

3.2.5.130.1.2 Site

Value: 2

Specifies that the scope of the **custom action** is limited to a **site collection**.

3.2.5.130.1.3 Web

Value: 3

Specifies that the scope of the **custom action** is limited to a **site (2)**.

3.2.5.130.1.4 List

Value: 4

Specifies that the scope of the **custom action** is limited to a **list**.

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

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Specifies that only time is included.

3.2.5.131.1.4ISO8601

Value: 3

Specifies that the format is [ISO-8601] time format YYYY-MM-DDTHH:MM:SSZ.

3.2.5.131.1.5MonthDayOnly

Value: 4

Specifies that only the month and day are included.

3.2.5.131.1.6MonthYearOnly

Value: 5

Specifies that only the month and year are included.

3.2.5.131.1.7LongDate

Value: 6

Specifies that the date is in long format including the day of week, day, month and year.<106>

3.2.5.131.1.8UnknownFormat

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 the icon size requested for the **MapToIcon** method in the Microsoft.SharePoint.SPWeb class.

3.2.5.132.1 Field Values

3.2.5.132.1.1Size16

Value: 0

Specifies an icon size of 16 x 16 pixels.

3.2.5.132.1.2Size32

Value: 1

Specifies an icon size of 32 x 32 pixels.

3.2.5.132.1.3Size256

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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**

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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 (2)**.

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

3.2.5.134.1.1 None

Value: 0

Do not specify a principal source.

3.2.5.134.1.2 UserInfoList

Value: 1

Use the user information list as the source.

3.2.5.134.1.3 Windows

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Value: 2

Use Windows as the source.

3.2.5.134.1.4 MembershipProvider

Value: 4

Use the current membership provider as the source.

3.2.5.134.1.5 RoleProvider

Value: 8

Use the current role provider as the source

3.2.5.134.1.6 All

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

3.2.5.135.1.1 None

Value: 0

Do not specify a principal type.

3.2.5.135.1.2 User

Value: 1

A user principal type.

3.2.5.135.1.3 DistributionList

Value: 2

A distribution list principal type.

3.2.5.135.1.4 SecurityGroup

Value: 4

A security group principal type.

3.2.5.135.1.5 SharePointGroup

Value: 8

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A SharePoint group principal type.

3.2.5.135.1.6 All

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 (2)**, and for various other **tasks** in managing deployment. All methods in SP.Utilities.Utility are static.

3.2.5.136.1 Properties

3.2.5.136.1.1 Scalar Properties

None.

3.2.5.136.1.2 ObjectPath Properties

None.

3.2.5.136.2 Methods

3.2.5.136.2.1 Scalar Methods

3.2.5.136.2.1.1 CreateEmailBodyForInvitation

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 (2)**.

Parameters:

pageAddress: Specifies part of the **display name** for the document or resource.

Type: CSOM String

3.2.5.136.2.1.2 FormatDateTime

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 (2)** and **current user**.

Parameters:

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web: Specifies the site (2) 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 (2)** 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.

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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 (2)** 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>

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Parameters:

web: Specifies the **site (2)** 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

matchUserInfoList: Specifies whether to return the principal found in the user information list.

Type: CSOM Boolean

Exceptions:

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

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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 *topicIDs* 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 *topicIDs* is invalid.

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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 a **SharePoint Add-in**.<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 *error* parameter is NULL or empty.
-2147024891	System.UnauthorizedAccessException	The **Web site** in the current request context does not represent a site for the SharePoint Add-in which matches the SharePoint Add-in identity in the current request.

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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 license**s entitling the user to use the specified **SharePoint Add-in** within the **site subscription** including the current **site (2)**.<114>

The **Web site** in the current request context MUST represent a site (2) for the SharePoint Add-in that is identified by the *productId* parameter or the identity in the current request MUST match the identity of the SharePoint Add-in that is identified by the *productId* parameter.

Parameters:

productId: **App product identifier** of the specified SharePoint Add-in.

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 (2)**. If there is no marketplace deployment identifier associated with the site subscription of the site (2), it randomly generates one and associates it with the site subscription of the site (2).<116> This method MUST be called by a **site collection administrator** of the **site collection** including the current site (2).

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 **SharePoint Add-in** information, to the **site subscription** associated with the **site (2)**.<117> This method MUST be called by a **site collection administrator** of the **site collection** including the current site (2).

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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 (2). If the marketplace license is not a test license, then this token MUST be verified by the marketplace for authenticity for the 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 SharePoint Add-in.

Type: CSOM String

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

iconUrl: The location of the icon image of the SharePoint Add-in.

Type: CSOM String

If it is not NULL, it MUST be a URL of absolute form.

providerName: The name of the publisher of the SharePoint Add-in.

Type: CSOM String

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

appSubtype: The subtype of the SharePoint Add-in.

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.

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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**.

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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 a **SharePoint Add-in**.<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 *error* parameter is null or empty or the *productId* parameter is empty.
-2147024891	System.UnauthorizedAccessException	Thrown if there is no valid SharePoint Add-in context.

3.2.5.136.2.1.20 ExpandGroupsToPrincipals

This method is a **static CSOM method**.

Return Type: **CSOM array** of Microsoft.SharePoint.Client.Utilities.PrincipalInfo

Expands **groups** to a collection of **principals**.

Parameters:

inputs: A collection of groups to be expanded.

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Type: CSOM array of **CSOM String**

maxCount: Specifies the maximum number of principals to be returned.

Type: **CSOM Int32**

3.2.5.136.2.1.21 GetUserPermissionLevels

This method is a **static CSOM method**.

Return Type: **CSOM array** of **CSOM String**

Retrieves a collection of permission levels of the current user on the web.

Parameters: None

3.2.5.136.2.1.22 IsEmailServerSet

This method is a **static CSOM method**.

Return Type: **CSOM Boolean**

Returns a Boolean value that specifies whether an e-mail server has been set for the site.

Parameters:

web: A Microsoft.SharePoint.SPWeb object that represents the site.

Type: Microsoft.SharePoint.Client.Web

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:

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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 states 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}

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ShortName: SP.View

Specifies a **list view**.

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

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".

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

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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

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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**.

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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.

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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.

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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>

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3.2.5.137.1.1.37 JSLink

Type: **CSOM String**

Accessibility: Read/Write

Gets the name of an external ECMAScript ([ECMA-262-1999]) file containing any logic for this **list view**.

3.2.5.137.1.1.38 ColumnWidth

Type: **CSOM String**

Accessibility: Read/Write

Specifies the width of columns.

3.2.5.137.1.1.39 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

Specifies the Custom Formatter used for the view.

3.2.5.137.1.1.40 PageRenderType

Type: Microsoft.SharePoint.Client.ListPageRenderType

Accessibility: Read Only

Specifies the render type of the current file.

3.2.5.137.1.1.41 ServerRelativePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

Specifies the server relative path of the list view page.

It MUST NOT be NULL.

3.2.5.137.1.1.42 TabularView

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether to include bulk selection checkboxes in a list view.

3.2.5.137.1.1.43 VisualizationInfo

Type: Microsoft.SharePoint.Client.Visualization

Accessibility: Read/Write

Specifies how the view is layed out.

3.2.5.137.1.2 ObjectPath Properties

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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 SetViewXml

Return Type: None

Sets the view schema.

Parameters:

viewXml: The view XML to set.

Type: **CSOM String**

If this parameter is not XML-compliant, an exception is thrown, and the settings do not take effect.

3.2.5.137.2.1.4 Update

Return Type: None

Commits changed properties of the **list view**.

Parameters: None

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Exceptions:

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	List view does not exist.

3.2.5.137.2.2 ObjectPath Methods

3.2.5.137.2.2.1 AddToSpotlight

Return Type: Microsoft.SharePoint.Client.Utilities.SpotlightResult

Adds the item indicated by **itemId** to the spotlight of the folder indicated by **folderPath** for this view, after the item indicated by **afterItemId**. If the item to be added is already in the spotlight, it will be removed and added again. If **afterItemId** is negative or not in the spotlight, the item is added to the front of the spotlight.

Parameters:

itemId: The id of the item to add.

Type: **CSOM Int32**

folderPath: The web-relative path of the folder to add the item to.

Type: **CSOM String**

afterItemId: The item added to the spotlight will be added after this item.

Type: CSOM Int32

3.2.5.137.2.2.2 RemoveFromSpotlight

Return Type: Microsoft.SharePoint.Client.Utilities.SpotlightResult

Removes the item indicated by **itemId** from the spotlight of the folder indicated by **folderPath** for this view.

Parameters:

itemId: The id of the item to remove.

Type: **CSOM Int32**

folderPath: The web-relative path of the folder to remove the item from.

Type: **CSOM String**

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

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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:

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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 Aggregations

Type: CSOM String

Accessibility: Read/Write

Specifies the aggregates that will be shown in the **list view**.

It MUST be null or an **XML fragment** that conforms to the following **XML schema**:

```
<Aggregations Value="On">
  <FieldRef Name="Title" Type="Count">
  <FieldRef Name="Number" Type="Sum">
</Aggregations>
```

3.2.5.139.1.1.2 baseViewId

Type: CSOM Int32

Accessibility: Read/Write

Specifies the baseviewID of the view.

3.2.5.139.1.1.3 Paged

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the new **list view** is a **paged view**.

3.2.5.139.1.1.4 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**.

3.2.5.139.1.1.5 Query

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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.

3.2.5.139.1.1.6 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.

3.2.5.139.1.1.7 SetAsDefaultView

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether the new **list view** is the **default list view**.

3.2.5.139.1.1.8 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.

3.2.5.139.1.1.9 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**.

3.2.5.139.1.1.10 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.

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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.

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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>

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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.

3.2.5.140.2.2 ObjectPath Methods

None.

3.2.5.141 Microsoft.SharePoint.Client.ViewScope

ShortName: SP.ViewScope

Flag: false

Specifies the scope for returning **list items** and **list folders** in a **list view**.

3.2.5.141.1 Field Values

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3.2.5.141.1.1 DefaultValue

Value: 0

Specifies that all **list items** and all **list folders** in the current list folder are returned in the **list view**.

3.2.5.141.1.2 Recursive

Value: 1

Specifies that all **list items** in the **list** are returned in the **list view**.

3.2.5.141.1.3 RecursiveAll

Value: 2

Specifies that all **list items** and all **list folders** in the **list** are returned in the **list view**.

3.2.5.141.1.4 FilesOnly

Value: 3

Specifies that all **list items** in the current **list folder** are returned in the **list view**.

3.2.5.142 Microsoft.SharePoint.Client.ViewType

ShortName: SP.ViewType

Flag: false

Specifies the type of the **list view**.

3.2.5.142.1 Field Values

3.2.5.142.1.1 None

Value: 0

The type of the **list view** is not specified.

3.2.5.142.1.2 Html

Value: 1

Specifies an **HTML list view** type.

3.2.5.142.1.3 Grid

Value: 2048

Specifies a **datasheet list view** type.

3.2.5.142.1.4 Calendar

Value: 524288

Specifies a calendar **list view** type.

3.2.5.142.1.5 Recurrence

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Value: 8193

Specifies a **list view** type that displays recurring events.

3.2.5.142.1.6 Chart

Value: 131072

Specifies a chart **list view** type.

3.2.5.142.1.7 Gantt

Value: 67108864

Specifies a Gantt chart **list view** type.

3.2.5.143 Microsoft.SharePoint.Client.Web

TypeId: {A489ADD2-5D3A-4DE8-9445-49259462DCEB}

ShortName: SP.Web

Specifies a **site (2)**.

The AllowAutomaticASPXPageIndexing, AllowCreateDeclarativeWorkflowForCurrentUser, AllowDesignerForCurrentUser, AllowMasterPageEditingForCurrentUser, AllowRevertFromTemplateForCurrentUser, AllowSaveDeclarativeWorkflowAsTemplateForCurrentUser, AllowSavePublishDeclarativeWorkflowForCurrentUser, CommentsOnSitePagesDisabled, ContainsConfidentialInfo, DesignerDownloadUrlForCurrentUser, EffectiveBasePermissions, ExcludeFromOfflineClient, HasUniqueRoleAssignments, MembersCanShare, NotificationsInOneDriveForBusinessEnabled, NotificationsInSharePointEnabled, PreviewFeaturesEnabled, RequestAccessEmail, SaveSiteAsTemplateEnabled, ServerRelativePath, ShowUrlStructureForCurrentUser, SiteLogoDescription, SupportedUILanguageIds, ThemeData, ThemedCssFolderUrl and ThirdPartyMdmEnabled properties are not included in the **default scalar property set** for this type.

3.2.5.143.1 Properties

3.2.5.143.1.1 Scalar Properties

3.2.5.143.1.1.1 AllowDesignerForCurrentUser

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the **current user** is allowed to use a designer application to customize this **site (2)**.

3.2.5.143.1.1.2 AllowMasterPageEditingForCurrentUser

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the **current user** is allowed to edit the **master page**.

3.2.5.143.1.1.3 AllowRevertFromTemplateForCurrentUser

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Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the **current user** is allowed to revert the **site (2)** to a default **site template**.

3.2.5.143.1.1.4 AllowRssFeeds

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the **site (2)** allows RSS feeds.

3.2.5.143.1.1.5 Created

Type: **CSOM DateTime**

Accessibility: Read Only

Specifies when the **site (2)** was created.

It MUST NOT be NULL.

3.2.5.143.1.1.6 Description

Type: **CSOM String**

Accessibility: Read/Write

Specifies the description for the **site (2)**.

3.2.5.143.1.1.7 EffectiveBasePermissions

Type: Microsoft.SharePoint.Client.BasePermissions

Accessibility: Read Only

Specifies the effective **permissions** that are assigned to the **current user**.

It MUST NOT be NULL.

3.2.5.143.1.1.8 HasUniqueRoleAssignments

Type: **CSOM Boolean**

Accessibility: Read Only

See Microsoft.SharePoint.Client.SecurableObject.HasUniqueRoleAssignments (section 3.2.5.100.1.1.1).

3.2.5.143.1.1.9 Id

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Type: **CSOM GUID**

Accessibility: Read Only

Specifies the **site identifier** for the **site (2)**.

3.2.5.143.1.1.10 Language

Type: **CSOM UInt32**

Accessibility: Read Only

Specifies the **language code identifier (LCID)** for the language that is used on the **site (2)**.

3.2.5.143.1.1.11 LastItemModifiedDate

Type: **CSOM DateTime**

Accessibility: Read Only

Specifies when an **item** was last modified in the **site (2)**.

3.2.5.143.1.1.12 QuickLaunchEnabled

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether the **Quick Launch** area is enabled on the **site (2)**.

3.2.5.143.1.1.13 RecycleBinEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the **Recycle Bin** is enabled.

3.2.5.143.1.1.14 ServerRelativeUrl

Type: **CSOM String**

Accessibility: Read/Write

Specifies the **server-relative URL** of the **site (2)**.

It MUST NOT be NULL. It MUST NOT contain 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

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Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the **current user** is able to view the file system structure of this **site (2)**.

3.2.5.143.1.1.16 SyndicationEnabled

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether the [RSS2.0] feeds are enabled on the **site (2)**.

3.2.5.143.1.1.17 Title

Type: **CSOM String**

Accessibility: Read/Write

Specifies the title for the **site (2)**.

Its length MUST be equal to or less than 255.

3.2.5.143.1.1.18 TreeViewEnabled

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether the tree view is enabled on the **site (2)**.

3.2.5.143.1.1.19 UIVersion

Type: **CSOM Int32**

Accessibility: Read/Write

Specifies which version of the user interface (UI) the **site (2)** is using. This value MUST be a defined **SPValidUIVersion** value, as specified in the following table.

SPValidUIVersion	Description
3	Specifies that the site (2) is using the SharePoint 2007 user interface (UI).
4	Specifies that the site (2) 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

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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 hash mark ('#'). 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 (2)**.<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 (2)** represents. If this site (2) 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 **Office Add-in** 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

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Specifies the identifier (ID) of the **site definition** that was used to create the **site (2)**. If the site (2) 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 (2)**. If the site (2) 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 (2)** 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 (2) 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 (2)**.

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

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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 MembersCanShare

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether to enable site members to invite external users.

3.2.5.143.1.1.36 SiteLogoUrl

Type: **CSOM String**

Accessibility: Read/Write

Specifies the server-relative URL of the Web site logo.

3.2.5.143.1.1.37 AlternateCssUrl

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the URL for an alternate cascading style sheet (CSS) to use in the website.

A string that contains the URL for an alternate CSS file.

3.2.5.143.1.1.38 ContainsConfidentialInfo

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets a Boolean value that specifies whether the site contains highly confidential information.

If the tenant settings don't allow tagging sites as confidential, this property will return false.

3.2.5.143.1.1.39 CurrentChangeToken

Type: Microsoft.SharePoint.Client.ChangeToken

Accessibility: Read Only

Gets the current change token that is implemented in a query against the change log through the **GetChanges** method.

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An SP.ChangeToken object that represents the change token.

3.2.5.143.1.1.40 IsMultilingual

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets whether Multilingual UI is turned on for this web or not.

3.2.5.143.1.1.41 OverwriteTranslationsOnChange

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets whether changing the UserResource value in the UICulture of the web overwrites the values for AdditionalUICultures or not.

3.2.5.143.1.1.42 ThemeData

Type: **CSOM String**

Accessibility: Read Only

A string of **JSON** representing a theme.

3.2.5.143.1.1.43 ThirdPartyMdmEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

Gets the value that indicates whether or not the tenant that uses third-party Mobile Device Management (MDM) have block access to the public OneDrive app, and direct users to their company version of the app.

3.2.5.143.1.1.44 RequestAccessEmail

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the e-mail address to which requests for access are sent.

3.2.5.143.1.1.45 AllowAutomaticASPXPageIndexing

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the .aspx page within the Web site is indexed by the search engine.

3.2.5.143.1.1.46 CommentsOnSitePagesDisabled

Type: **CSOM Boolean**

Accessibility: Read/Write

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Indicates whether comments on site pages are disabled or not.

3.2.5.143.1.1.47 DesignPackageId

Type: CSOM GUID

Accessibility: Read/Write

Gets or sets the ID of the Design Package used in this SP.Web.

A value of Guid.Empty will mean that the default Design Package will be used for this SP.Web. The default is determined by the SP.WebTemplate of this SP.Web.

3.2.5.143.1.1.48 ExcludeFromOfflineClient

Type: CSOM Boolean

Accessibility: Read/Write

Indicates whether the data from the website is to be downloaded to the client during offline synchronization. A value of "true" means yes.

3.2.5.143.1.1.49 LastItemUserModifiedDate

Type: CSOM DateTime

Accessibility: Read Only

Gets the date and time that an item was last modified in the site by a non-system update. A non-system update is a change to a list item that is visible to end users.

3.2.5.143.1.1.50 NoCrawl

Type: CSOM Boolean

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether searching is enabled for the Web site.

3.2.5.143.1.1.51 NotificationsInOneDriveForBusinessEnabled

Type: CSOM Boolean

Accessibility: Read Only

Returns if true if the tenant allowed to send push notifications in ODB.

3.2.5.143.1.1.52 NotificationsInSharePointEnabled

Type: CSOM Boolean

Accessibility: Read Only

Returns if true if the tenant allowed to send push notifications in SharePoint.

3.2.5.143.1.1.53 PreviewFeaturesEnabled

Type: CSOM Boolean

Accessibility: Read Only

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Indicates whether the tenant administrator has chosen to disable the Preview Features.

Defaults to True: Preview Features are enabled.

3.2.5.143.1.1.54 ResourcePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

The full path pointing to the web. It can be "http://www.office.net:8080/foo/bar" or "http://www.office.net/foo/bar" It will not be "http://www.office.net:8080/site/web/dir1/dir2/a.aspx"

3.2.5.143.1.1.55 ServerRelativePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

Gets the server-relative path of the web site.

3.2.5.143.1.1.56 SiteLogoDescription

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the description of the Web site logo.

3.2.5.143.1.1.57 ThemedCssFolderUrl

Type: **CSOM String**

Accessibility: Read/Write

Returns the URL of the folder containing the themed CSS for the web, null if no theme is applied.

3.2.5.143.1.1.58 WelcomePage

Type: **CSOM String**

Accessibility: Read Only

Specifies the **URL** of the **Welcome page** for the **site (2)**.

3.2.5.143.1.2ObjectPath Properties

3.2.5.143.1.2.1 AllProperties

Type: Microsoft.SharePoint.Client.PropertyValues

Accessibility: Read Only

Specifies the collection of name/value pairs of all the **CSOM expando fields** for the **site (2)**.

It MUST NOT be NULL.

3.2.5.143.1.2.2 AssociatedMemberGroup

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Type: Microsoft.SharePoint.Client.Group

Accessibility: Read/Write

Specifies the default **site (2) group** that was created with contribute permissions at the time the site (2) was created.

3.2.5.143.1.2.3 AssociatedOwnerGroup

Type: Microsoft.SharePoint.Client.Group

Accessibility: Read/Write

Specifies the default **site (2) group** that was created with full control permissions at the time the site (2) was created.

3.2.5.143.1.2.4 AssociatedVisitorGroup

Type: Microsoft.SharePoint.Client.Group

Accessibility: Read/Write

Specifies the default **site (2) group** that was created with read permissions at the time the site (2) was created.

3.2.5.143.1.2.5 AvailableContentTypes

Type: Microsoft.SharePoint.Client.ContentTypeCollection

Accessibility: Read Only

Specifies the collection of all **site content types** that apply to the current scope, including those of the current **site (2)**, as well as any **parent sites**.

It MUST NOT be NULL.

3.2.5.143.1.2.6 AvailableFields

Type: Microsoft.SharePoint.Client.FieldCollection

Accessibility: Read Only

Specifies the collection of all **fields (2)** available for the current scope, including those of the current **site (2)**, as well as any **parent sites**.

It MUST NOT be NULL.

3.2.5.143.1.2.7 ContentTypes

Type: Microsoft.SharePoint.Client.ContentTypeCollection

Accessibility: Read Only

Specifies the collection of **content types** for the **site (2)**.

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It MUST NOT be NULL.

3.2.5.143.1.2.8 CurrentUser

Type: Microsoft.SharePoint.Client.User

Accessibility: Read Only

Specifies the **current user** of the **site (2)**.

It MUST NOT be NULL.

3.2.5.143.1.2.9 Features

Type: Microsoft.SharePoint.Client.FeatureCollection

Accessibility: Read Only

Specifies the collection of **features** that are currently activated in the **site (2)**.

It MUST NOT be NULL.

3.2.5.143.1.2.10 Fields

Type: Microsoft.SharePoint.Client.FieldCollection

Accessibility: Read Only

Specifies the collection of all the **fields (2)** in the **site (2)**.

It MUST NOT be NULL.

3.2.5.143.1.2.11 Folders

Type: Microsoft.SharePoint.Client.FolderCollection

Accessibility: Read Only

Specifies the collection of all first-level folders in the **site (2)**.

It MUST NOT be NULL.

3.2.5.143.1.2.12 Lists

Type: Microsoft.SharePoint.Client.ListCollection

Accessibility: Read Only

Specifies the collection of **lists** that are contained in the **site (2)** available to the **current user** based on the current user's **permissions**.

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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 (2)**.

3.2.5.143.1.2.14 Navigation

Type: Microsoft.SharePoint.Client.Navigation

Accessibility: Read Only

Specifies the navigation structure on the **site (2)**, including the **Quick Launch** area and the **link bar**.

3.2.5.143.1.2.15 RoleAssignments

Type: Microsoft.SharePoint.Client.RoleAssignmentCollection

Accessibility: Read Only

See Microsoft.SharePoint.Client.SecurableObject.RoleAssignments (section 3.2.5.100.1.2.1).

3.2.5.143.1.2.16 RoleDefinitions

Type: Microsoft.SharePoint.Client.RoleDefinitionCollection

Accessibility: Read Only

Specifies the collection of **role definitions** for the **site (2)**.

3.2.5.143.1.2.17 RootFolder

Type: Microsoft.SharePoint.Client.Folder

Accessibility: Read Only

Specifies the **root folder** for the **site (2)**.

3.2.5.143.1.2.18 SiteGroups

Type: Microsoft.SharePoint.Client.GroupCollection

Accessibility: Read Only

Specifies the collection of the **site collection groups** for the **site collection** that contains the **site (2)**.

3.2.5.143.1.2.19 SiteUserInfoList

Type: Microsoft.SharePoint.Client.List

Accessibility: Read Only

Specifies the **user information list** for the **site collection** that contains the **site (2)**.

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3.2.5.143.1.2.20 UserCustomActions

Type: Microsoft.SharePoint.Client.UserCustomActionCollection

Accessibility: Read Only

Specifies the collection of **user custom actions** for the **site (2)**.

3.2.5.143.1.2.21 Webs

Type: Microsoft.SharePoint.Client.WebCollection

Accessibility: Read Only

Specifies the collection of all child **sites (2)** for the site (2).

3.2.5.143.1.2.22 WorkflowAssociations

Type: Microsoft.SharePoint.Client.Workflow.WorkflowAssociationCollection

Accessibility: Read Only

Specifies the collection of all **workflow associations** for the **site (2)**.

3.2.5.143.1.2.23 WorkflowTemplates

Type: Microsoft.SharePoint.Client.Workflow.WorkflowTemplateCollection

Accessibility: Read Only

Specifies the collection of **workflow templates** associated with the **site (2)**.

3.2.5.143.1.2.24 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 (2)**.<132>

3.2.5.143.1.2.26 WebInfos

Type: Microsoft.SharePoint.Client.WebInformationCollection

Accessibility: Read Only

Specifies the collection of all child **sites (2)** for the site (2).<133>

3.2.5.143.1.2.27 ThemeInfo

Type: Microsoft.SharePoint.Client.ThemeInfo

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Accessibility: Read Only

Specifies the site **theme** associated with the **site (2)**.<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 (2)**.<136>

3.2.5.143.1.2.30 RegionalSettings

Type: Microsoft.SharePoint.Client.RegionalSettings

Accessibility: Read Only

Specifies the locale settings of the **site (2)**.<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 (2)**.<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 (2)**.<139>

3.2.5.143.1.2.33 AppTiles

Type: Microsoft.SharePoint.Client.AppTileCollection

Accessibility: Read Only

Gets the collection of all app tiles that are contained in this website. An SP.AppTileCollection that represents the information about the app tiles.

This contains an aggregation of four data sources:

1. DocLibs and Lists, directly from the web.
2. Tenant-provided apps that apply to this web.

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3. Apps instantiated by the user in this web.
4. Features activated in this web, which behave like apps.

3.2.5.143.1.2.34 DataLeakagePreventionStatusInfo

Type: Microsoft.SharePoint.Client.SPDataLeakagePreventionStatusInfo

Accessibility: Read Only

Gets a collection of DLP status indicators including:

- Whether or not external sharing tips are enabled on the parent site collection.
- The learn more link URL for the external sharing tips.
- Whether or not the site contains highly confidential information.
- The learn more link URL for site confidentiality.

3.2.5.143.1.2.35 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

A SP.UserResource object that represents the description of this web.

3.2.5.143.1.2.36 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

A SP.UserResource object that represents the title of this web.

3.2.5.143.1.2.37 Alerts

Type: Microsoft.SharePoint.Client.AlertCollection

Accessibility: Read Only

Gets the collection of alerts for the site or subsite.

3.2.5.143.1.2.38 Author

Type: Microsoft.SharePoint.Client.User

Accessibility: Read Only

Gets a user object that represents the user who created the Web site.

3.2.5.143.1.2.39 BingMapsInformation

Type: Microsoft.SharePoint.Client.SPBingMapsInformation

Accessibility: Read Only

Retrieves the Bing maps related configurations, for example, Bing maps key.

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See the section 3.2.5.461 for the more details.

3.2.5.143.1.2.40 ClientWebParts

Type: Microsoft.SharePoint.Client.ClientWebPartCollection

Accessibility: Read Only

Gets a collection of the ClientWebParts installed in this SP.Web. It can be used to get metadata of the ClientWebParts or render them. It is a read-only collection as ClientWebParts need to be installed in an app package.

3.2.5.143.1.2.41 SiteCollectionAppCatalog

Type:
Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.SiteCollectionCorporateCatalogAccessor

Accessibility: Read Only

Returns the site collection app catalog for the given web if it exists.

3.2.5.143.1.2.42 TenantAppCatalog

Type: Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.TenantCorporateCatalogAccessor

Accessibility: Read Only

Returns the tenant app catalog for the given tenant if it exists.

3.2.5.143.2 Methods

3.2.5.143.2.1 Scalar Methods

3.2.5.143.2.1.1 ApplyWebTemplate

Return Type: None

Applies the specified **site definition** or **site template** to the **site (2)** that has no template applied to it.

Parameters:

webTemplate: 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**

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clearSubscopes: Specifies whether the role assignments for all **sites (2)** that inherit from this site (2) MUST be cleared. If the value is "true", all child sites (2) 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 (2).

3.2.5.143.2.1.3 DeleteObject

Return Type: None

Deletes this **site (2)**.

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 (2)** containing the specified URL. This is a static method.

Parameters:

pageFullUrl: Specifies the URL from which to return the site (2) URL.

Type: CSOM String

It MUST be a URL of absolute form. It MUST start with "http://" or "https://"

Exceptions:

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	A site (2) cannot be found at the given URL.

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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 (2)**.

3.2.5.143.2.1.8 Update

Return Type: None

Commits changes made to properties of this **site (2)**.

Parameters: None

3.2.5.143.2.1.9 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

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"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.ContextWebInformation

Returns an **object (1)** that specifies metadata about the **site (2)**.<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:

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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)**.

3.2.5.143.2.1.13 UnregisterPushNotificationSubscriber

Return Type: None

Unregisters the push notification subscriber from the **site (2)**.<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 (2)**.

Parameters:

colorPaletteUrl: The **server-relative URL** of the **color scheme** to apply to the site (2).

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 (2) 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 (2) 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 (2).

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Type: **CSOM Boolean**

3.2.5.143.2.1.15 GetUserEffectivePermissions

Return Type: Microsoft.SharePoint.Client.BasePermissions

Returns the user permissions for this **site (2)**.

Parameters:

userName: Specifies the user login name.

Type: **CSOM String**

It MUST NOT be NULL.

3.2.5.143.2.1.16 AddSupportedUILanguage

Return Type: None

Adds a supported UI language by its language identifier.

Parameters:

lcid: Specifies the language identifier to be added.

Type: **CSOM Int32**

3.2.5.143.2.1.17 CreateAnonymousLink

This method is a **static CSOM method**.

Return Type: CSOM String

Creates and returns an anonymous link that can be used to access a document without needing to authenticate.

Parameters:

url: The URL of the site, with the path of the object in SharePoint that is represented as query string parameters, forSharing set to 1 if sharing, and mbypass set to 1 to bypass any mobile logic.

Type: CSOM String

For example:

http://contoso.com/?forSharing=1&mbypass=1&List=%7BCF908473%2D72D4%2D449D%2D8A53%2D4BD01EC54B84%7D&obj={CF908473-72D4-449D-8A53-4BD01EC54B84},1,DOCUMENT

isEditLink: If true, the link will allow the guest user edit privileges on the item.

Type: **CSOM Boolean**

3.2.5.143.2.1.18 CreateAnonymousLinkWithExpiration

This method is a **static CSOM method**.

Return Type: CSOM String

Creates and returns an anonymous link that can be used to access a document without needing to authenticate.

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Parameters:

url: The URL of the site, with the path of the object in SharePoint that is represented as query string parameters, forSharing set to 1 if sharing, and mbypass set to 1 to bypass any mobile logic.

Type: CSOM String

For example:

http://contoso.com/?forSharing=1&mbypass=1&List=%7BCF908473%2D72D4%2D449D%2D8A53%2D4BD01EC54B84%7D&obj={CF908473-72D4-449D-8A53-4BD01EC54B84},1,DOCUMENT

isEditLink: If true, the link will allow the guest user edit privileges on the item.

Type: **CSOM Boolean**

expirationString: A date/time string for which the format conforms to the ISO 8601:2004(E) complete representation for calendar date and time of day, and which represents the time and date of expiry for the anonymous link. Both the minutes and hour value MUST be specified for the difference between the local and UTC time. Midnight is represented as 00:00:00.

Type: CSOM String

For example:

YYYYMMDDThhmmssZ

YYYYMMDDThhmmss±hhmm

YYYYMMDDThhmmss±hh:mm

YYYY-MM-DDThh:mm:ssZ

YYYY-MM-DDThh:mm:ss±hh:mm

YYYY-MM-DDThh:mm:ss±hhmm

A null value indicates no expiry.

3.2.5.143.2.1.19 CreateOrganizationSharingLink

This method is a **static CSOM method**.

Return Type: CSOM String

Creates and returns an organization-internal link that can be used to access a document and gain permissions to it.

Parameters:

url: The URL of the site, with the path of the object in SharePoint that is represented as query string parameters, forSharing set to 1 if sharing, and mbypass set to 1 to bypass any mobile logic.

Type: CSOM String

For example:

http://contoso.com/?forSharing=1&mbypass=1&List=%7BCF908473%2D72D4%2D449D%2D8A53%2D4BD01EC54B84%7D&obj={CF908473-72D4-449D-8A53-4BD01EC54B84},1,DOCUMENT

isEditLink: If true, the link will allow the logged in user to edit privileges on the item.

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Type: **CSOM Boolean**

3.2.5.143.2.1.20 DeleteAllAnonymousLinksForObject

This method is a **static CSOM method**.

Return Type: None

Removes all existing anonymous links for an object.

Parameters:

url: The URL of the object being shared, with the path of the object in SharePoint that is represented as query string parameters.

Type: **CSOM String**

For example:

http://contoso.com/?obj={CF908473-72D4-449D-8A53-4BD01EC54B84},1,DOCUMENT&List=%7BCF908473%2D72D4%2D449D%2D8A53%2D4BD01EC54B84%7D

3.2.5.143.2.1.21 DeleteAnonymousLinkForObject

This method is a **static CSOM method**.

Return Type: None

Removes an existing anonymous link for an object.<145>

Parameters:

url: The URL of the object being shared, with the path of the object in SharePoint that is represented as query string parameters.

Type: **CSOM String**

For example:

http://contoso.com/?obj={CF908473-72D4-449D-8A53-4BD01EC54B84},1,DOCUMENT&List=%7BCF908473%2D72D4%2D449D%2D8A53%2D4BD01EC54B84%7D

isEditLink: If true, the edit link for the object will be removed. If false, the view only link for the object will be removed.

Type: **CSOM Boolean**

removeAssociatedSharingLinkGroup: Indicates whether to remove the **groups** that contain the users who have been given access to the shared object via the sharing link[1].

Type: CSOM Boolean

3.2.5.143.2.1.22 DestroyOrganizationSharingLink

This method is a **static CSOM method**.

Return Type: None

Removes an existing organization link for an object.<146>

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Parameters:

url: The URL of the object being shared, with the path of the object in SharePoint that is represented as query string parameters.

Type: **CSOM String**

For example:

http://contoso.com/?obj={CF908473-72D4-449D-8A53-4BD01EC54B84},1,DOCUMENT&List=%7BCF908473%2D72D4%2D449D%2D8A53%2D4BD01EC54B84%7D

isEditLink: If true, the edit link for the object will be removed. If false, the view-only link for the object will be removed.

Type: **CSOM Boolean**

removeAssociatedSharingLinkGroup: Indicates whether to remove the **groups** that contain the users who have been given access to the shared object via the sharing link[1].

Type: CSOM Boolean

3.2.5.143.2.1.23 GetContextWebThemeData

This method is a **static CSOM method**.

Return Type: CSOM String

Get ThemeData for the context web.

Parameters: None

3.2.5.143.2.1.24 GetDocumentLibraries

This method is a **static CSOM method**.

Return Type: CSOM array of Microsoft.SharePoint.Client.DocumentLibraryInformation

Returns the document libraries of a SharePoint site, specifically a list of objects that represents document library information. Document libraries that are private—picture library, catalog library, asset library, application list, form template or libraries—for whom the user does not have permission to view the items are not included.

Parameters:

webFullUrl: The URL of the web.

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	Web cannot be found in the given URL

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3.2.5.143.2.1.25 IncrementSiteClientTag

Return Type: None

Increments the client cache control number for this **site collection**.

Parameters: None

3.2.5.143.2.1.26 RemoveSupportedUILanguage

Return Type: None

Removes a supported UI language by its language identifier.

Parameters:

lcid: Specifies the language identifier to be removed.

Type: **CSOM Int32**

3.2.5.143.2.1.27 GetClientSideWebParts

Return Type: **CSOM array** of Microsoft.SharePoint.ClientSideComponent.SPClientSideComponentQueryResult

It MUST return an array of 3rd party webpart components installed on this **site (2)**.

Parameters:

includeErrors: If true, webparts with errors MUST be included in the results of the request. If false, webparts with errors MUST be excluded in the results of the request.

Type: **CSOM Boolean**

3.2.5.143.2.1.28 CreateDefaultAssociatedGroups

Return Type: None

Creates the default Owners, Members and Visitors SPGroups on the web.

Parameters:

userLogin: The user logon name of the group owner.

Type: **CSOM String**

userLogin2: The secondary contact for the group.

Type: CSOM String

groupNameSeed: The name seed to use when creating of the full names of the default groups. For example, if the name seed is Contoso then the default groups will be created with the names: Contoso Owners, Contoso Members and Contoso Visitors. If the value of this parameter is null then the web title is used instead.

Type: CSOM String

3.2.5.143.2.1.29 DefaultDocumentLibraryUrl

This method is a **static CSOM method**.

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Return Type: Microsoft.SharePoint.Client.DocumentLibraryInformation

Returns the default document library **URL**.

Parameters:

webUrl: URL of the web.

Type: **CSOM String**

3.2.5.143.2.1.30 GetClientSideComponents

Return Type: **CSOM array** of Microsoft.SharePoint.ClientSideComponent.SPClientSideComponentQueryResult

Returns the client side components for the requested components. Client components include data necessary to render Client Side Web Parts and Client Side Applications.

Parameters:

components: Array of requested components, defined by id and version.

Type: CSOM array of Microsoft.SharePoint.ClientSideComponent.SPClientSideComponentIdentifier

3.2.5.143.2.1.31 GetClientSideComponentsById

Return Type: **CSOM array** of Microsoft.SharePoint.ClientSideComponent.SPClientSideComponentQueryResult

Returns the client side components for the requested component identifiers. Client components include data necessary to render Client Side Web Parts and Client Side Applications.

Parameters:

componentIds: Array of requested component identifiers.

Type: CSOM array of **CSOM GUID**

3.2.5.143.2.1.32 GetDocumentAndMediaLibraries

This method is a **static CSOM method**.

Return Type: **CSOM array** of Microsoft.SharePoint.Client.DocumentLibraryInformation

Returns the document libraries of a SharePoint site, including picture, asset, and site assets libraries. Document libraries that are private, catalog library, application list, form template, or libraries that user does not have permission to view items are not inlcuded.

Parameters:

webFullUrl: **URL** of the web.

Type: **CSOM String**

It MUST be a URL of absolute form. It MUST start with "http://" or "https://"

includePageLibraries: Indicates whether to include page libraries. A value of "true" means yes.

Type: **CSOM Boolean**

Exceptions:

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Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	Web cannot be found in the given URL

3.2.5.143.2.1.33 GetOnePageContextAsStream

Return Type: **CSOM Stream**

Gets context information used to transition to a new page in the browser without making a full-page load.

Parameters: None

3.2.5.143.2.1.34 GetRegionalDateTimeSchema

Return Type: **CSOM String**

Get DateTime Schema based on regional settings

Parameters: None

3.2.5.143.2.1.35 GetSharingLinkData

Return Type: Microsoft.SharePoint.Client.SharingLinkData

This method determines basic information about the supplied link URL, including limited data about the object the link URL refers to and any additional sharing link data if the link URL is a **tokenized sharing link**

Parameters:

linkUrl: A URL that is either a tokenized sharing link or a **canonical URL** for a **document**

Type: **CSOM String**

It MUST NOT be NULL.

3.2.5.143.2.1.36 GetSharingLinkKind

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.SharingLinkKind

This method determines the kind of **tokenized sharing link** represented by the supplied file URL.

Parameters:

fileUrl: A URL that is a tokenized sharing link for a **document**

Type: **CSOM String**

It MUST NOT be NULL.

3.2.5.143.2.1.37 ParseDateTime

Return Type: **CSOM String**

Returns parsed DateTime value.

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Parameters:

value: The input is the string of a datetime that's in web's local time and in web's calendar. For example, the input "09/08/1430" when web's calendar was set to Hijri, the actual datetime is 07/31/2009 in Gregorian calendar.

Type: CSOM String

displayFormat: Int value representing SP.DateTimeFieldFormatType

Type: **CSOM Int32**

calendarType: Int value representing SP.CalendarType

Type: CSOM Int32

3.2.5.143.2.1.38 RemoveStorageEntity

Return Type: None

This will remove the storage entity identified by the given key

Parameters:

key: Id of the storage entity to be removed.

Type: **CSOM String**

3.2.5.143.2.1.39 SetStorageEntity

Return Type: None

This will set the storage entity identified by the given key

Parameters:

key: Id of the storage entity to be set.

Type: **CSOM String**

value: Value of the storage entity to be set.

Type: CSOM String

description: Description of the storage entity to be set.

Type: CSOM String

comments: Comments of the storage entity to be set.

Type: CSOM String

3.2.5.143.2.2 ObjectPath Methods

3.2.5.143.2.2.1 EnsureUser

Return Type: Microsoft.SharePoint.Client.User

If the specified login name belongs to a valid user of the **site (2)**, returns the User **object (1)** corresponding to that user.

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If the specified login name belongs to a valid user outside of the site, adds the user to the site (2) 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 (2)**.

Parameters:

lcid: Specifies the **LCID** of the site templates to be retrieved.

Type: **CSOM UInt32**

If the specified LCID is not a valid LCID as specified in [MS-LCID], the server MUST return an empty collection.

doIncludeCrossLanguage: Specifies whether to include language-neutral site templates.

Type: **CSOM Boolean**

3.2.5.143.2.2.3 GetCatalog

Return Type: Microsoft.SharePoint.Client.List

Returns the **list template gallery**, **site template** gallery, or **Web Part** gallery for the **site (2)**.

Parameters:

typeCatalog: Specifies the type for the gallery

Type: **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 (2)**, based on the specified **query**.

Parameters:

query: Specifies which changes to return.

Type: Microsoft.SharePoint.Client.ChangeQuery

It MUST NOT be NULL.

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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 (2)** specified by the given URL.

Parameters:

serverRelativeUrl: Specifies the **server-relative URL** for the folder.

Type: **CSOM String**

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	*serverRelativeUrl* 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 (2)** of the current site (2) based on the specified **query**.

Parameters:

query: Specifies which child sites (2) 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 (2)**.<147> This method is used as the entry point to create, read, update and delete (CRUD) operations against an **Entity** (section 3.2.5.176).

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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 (2)**.<148>

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 (2)**.<149>

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 (2)** in which the **current user** is a member.<150>

Parameters:

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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 type**s defined in the BDC metadata model packaged by the application.<151> 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 type**s defined in the BDC metadata model packaged by the application.<152> 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 (2)**.<153>

Parameters:

appInstanceId: Application instance identifier.

Type: **CSOM GUID**

3.2.5.143.2.2.15 LoadAndInstallApp

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Return Type: Microsoft.SharePoint.Client.AppInstance

Uploads and installs an **app package** to this **site (2)**.<154> This site (2) 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.<155>

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 (2)**.

3.2.5.143.2.2.17 GetPushNotificationSubscribersByArgs

Return Type: Microsoft.SharePoint.Client.PushNotificationSubscriberCollection

Queries for the push notification subscribers for the **site (2)** with the specified set of custom arguments.<156>

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

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Return Type: Microsoft.SharePoint.Client.PushNotificationSubscriberCollection

Queries for the push notification subscribers for the **site (2)** for the specified user.<157>

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 (2)**.<158> 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 (2)** for the specified **application** with the provided **app product identifier**.

Parameters:

productId: The app product identifier of the specified application.

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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 (2)** in a specified **locale**.<159> The site (2) 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 (2)**. The site (2) 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**

3.2.5.143.2.2.23 DefaultDocumentLibrary

Return Type: Microsoft.SharePoint.Client.List

Retrieves the default **document library**.

Parameters: None

3.2.5.143.2.2.24 ForwardObjectLink

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.SharingResult

Shares an object in SharePoint, such as a list item or a site with no Acl changes, by sending the link. This is used when the user has no permission to share and cannot send access request. The user can use this method to send the link of the object to site members who already have permission to view the object.

Returns a SharingResult object that contains completion script and page for redirection if desired.

Parameters:

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url: The URL of the website with the path of an object in SharePoint query string parameters.

Type: **CSOM String**

peoplePickerInput: A string of JSON that represents users in the people picker format. Entries in the people picker MUST be existing site members who have view-permission to the object.

Type: CSOM String

emailSubject: The e-mail subject.

Type: CSOM String

emailBody: The e-mail body.

Type: CSOM String

3.2.5.143.2.2.25 GetFileByGuestUrl

Return Type: Microsoft.SharePoint.Client.File

Returns the file object from the guest access URL.

Parameters:

guestUrl: The guest access URL to get the file with.

Type: **CSOM String**

The query string parameters specify the file object identity.

To call this API using the REST endpoint, it is recommended to use a call of the form:

http://server/_api/web/GetFileByGuestUrl(@v)?@v='http%3A%2F%2Fserver%2F_layouts%2F15%2Fguestaccess%2Easpx%3fguestaccesstoken%3d<redacted>%26docid=18cd85dfb7a3847218a2ea37e1215a9b4'

where @v is both single quoted and run through the UrlKeyValueEncode method.

It MUST NOT be NULL.

3.2.5.143.2.2.26 GetFileById

Return Type: Microsoft.SharePoint.Client.File

Returns the file object with the specified GUID.

Parameters:

uniqueId: A GUID that identifies the file object.

Type: **CSOM GUID**

It MUST NOT be NULL.

3.2.5.143.2.2.27 GetFileByLinkingUrl

Return Type: Microsoft.SharePoint.Client.File

Returns the file object from the linking URL.

Parameters:

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linkingUrl: The linking URL to return the file object for. A linking URL can be obtained from LinkingUrl.

Type: **CSOM String**

A linking URL might not point to the canonical URL specified in the input string due to a rename operation having occurred. The query string is what actually specifies the file object identity.

To call this API from the client object model, it is recommended to use a call of the form:

http://server/_api/web/GetFileByLinkingUrl(@v)?@v='%2fShared%20Documents%2fdoc.docx%3fd%3dw0aca4baf33bd48e0bcfd06f54682ff7a'

where @v is both single quoted and run through the UrlKeyValueEncode method.

It MUST NOT be NULL.

3.2.5.143.2.2.28 GetFolderById

Return Type: Microsoft.SharePoint.Client.Folder

Returns the folder object with the specified GUID.

Parameters:

uniqueId: A GUID that identifies the folder.

Type: **CSOM GUID**

It MUST NOT be NULL.

3.2.5.143.2.2.29 GetList

Return Type: Microsoft.SharePoint.Client.List

Returns the list that is associated with the specified site-relative URL.

Parameters:

strUrl: A string that contains the site-relative URL for a list, for example, /Lists/Announcements.

Type: **CSOM String**

3.2.5.143.2.2.30 GetObjectSharingSettings

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ObjectSharingSettings

Given a path to an object in SharePoint, this will generate a sharing settings object which contains necessary information for rendering sharing information.

Parameters:

objectUrl: A URL with one of two possible formats.

Type: **CSOM String**

The two possible URL formats are:

1) The URL of the site, with the path of the object in SharePoint represented as query string parameters, forSharing set to 1 if sharing, and mbypass set to 1 to bypass any mobile logic e.g.

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http://contoso.com/?forSharing=1&mbypass=1&List=%7BCF908473%2D72D4%2D449D%2D8A53%2D4BD01EC54B84%7D&obj={CF908473-72D4-449D-8A53-4BD01EC54B84},1,DOCUMENT

2) The URL of the SharePoint object (web, list, item) intended for sharing e.g. http://contoso.com/Documents/SampleFile.docx

groupId: The id value of the permissions group if adding to a group, 0 otherwise.

Type: **CSOM Int32**

useSimplifiedRoles: A Boolean value indicating whether to use the SharePoint simplified roles (Edit, View) or not.

Type: **CSOM Boolean**

3.2.5.143.2.2.31 ShareObject

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.SharingResult

This method shares an object in SharePoint such as a list item or site. It returns a SharingResult object which contains the completion script and a page to redirect to if desired.

Parameters:

url: The URL of the website with the path of an object in SharePoint query string parameters.

Type: **CSOM String**

peoplePickerInput: A string of JSON representing users in people picker format.

Type: CSOM String

roleValue: The sharing role value for the type of permission to grant on the object.

Type: CSOM String

groupId: The ID of the group to be added. Zero if not adding to a permissions group.

Type: **CSOM Int32**

propagateAcl: A flag to determine if permissions SHOULD be pushed to items with unique permissions.

Type: **CSOM Boolean**

sendEmail: A flag to determine if an email notification SHOULD be sent (if email is configured).

Type: CSOM Boolean

includeAnonymousLinkInEmail: If an email is being sent, this determines if an anonymous link SHOULD be added to the message.

Type: CSOM Boolean

emailSubject: The email subject.

Type: CSOM String

emailBody: The email body.

Type: CSOM String

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useSimplifiedRoles: A Boolean value indicating whether to use the SharePoint simplified roles (Edit, View) or not.

Type: CSOM Boolean

3.2.5.143.2.2.32 UnshareObject

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.SharingResult

Removes Sharing permissions on an object.

Parameters:

url: A SharingResult object which contains status codes pertaining to the completion of the operation.

Type: **CSOM String**

3.2.5.143.2.2.33 GetRecycleBinItems

Return Type: Microsoft.SharePoint.Client.RecycleBinItemCollection

Returns a collection of **Recycle Bin items** within this **site (2)**.

Parameters:

pagingInfo: A string describing paging information for the next page of Recycle Bin items.

Type: **CSOM String**

MUST be formatted as a **URL-encoded** form body as described in [HTML] section 17.13.4 - Form content types. MUST contain the following **key value pairs (KVP)**:

Key name	Description of value	Type of value
id	The **item identifier** of the Recycle Bin item to display first on the next page of Recycle Bin items.	**CSOM GUID**
title	The title of the Recycle Bin item to display first on the next page of Recycle Bin items.	CSOM String
searchValue	The value to search for in the **column** specified by the *orderBy* parameter.	CSOM String

rowLimit: The maximum number of Recycle Bin items to retrieve.

Type: **CSOM Int32**

isAscending: Specifies whether the Recycle Bin items are sorted in ascending order by the column specified in the *orderBy* parameter. A value of true indicates ascending order, and a value of false indicates descending order.

Type: **CSOM Boolean**

orderBy: The column to sort results by.

Type: Microsoft.SharePoint.Client.RecycleBinOrderBy

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itemState: Specifies whether to retrieve items from the **first-stage Recycle Bin** or the **second-stage Recycle Bin**.

Type: Microsoft.SharePoint.Client.RecycleBinItemState

3.2.5.143.2.2.34 GetFileByGuestUrlEnsureAccess

Return Type: Microsoft.SharePoint.Client.File

Returns the file object from the **tokenized sharing link** URL.

Parameters:

guestUrl: The tokenized sharing link URL for the file.

Type: **CSOM String**

It MUST NOT be NULL.

ensureAccess: Indicates if the request to the tokenized sharing link grants perpetual access to the calling user.

Type: **CSOM Boolean**

If it is set to true then the user who is requesting the file will be granted perpetual permissions through the tokenized sharing link.

3.2.5.143.2.2.35 GetFileByGuestUrlExtended

Return Type: Microsoft.SharePoint.Client.File

Returns the file object from the **tokenized sharing link** URL.

Parameters:

guestUrl: The tokenized sharing link URL for the file.

Type: **CSOM String**

It MUST NOT be NULL.

requestSettings: Extended parameters to the request.

Type: Microsoft.SharePoint.Client.Sharing.SharingLinkAccessRequest

See Microsoft.SharePoint.Client.Sharing.SharingLinkAccessRequest as specified in section 3.2.5.452

3.2.5.143.2.2.36 GetFileByServerRelativePath

Return Type: Microsoft.SharePoint.Client.File

Returns the file object located at the specified path.

Parameters:

serverRelativePath: Contains the server-relative path of the file.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

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3.2.5.143.2.2.37 GetFileByUrl

Return Type: Microsoft.SharePoint.Client.File

Returns the file object from the given **URL**.

Parameters:

fileUrl: The URL used to get the file object.

Type: **CSOM String**

It MUST NOT be NULL.

3.2.5.143.2.2.38 GetFileByWOPIFrameUrl

Return Type: Microsoft.SharePoint.Client.File

Returns the file object from the WOPI frame **URL**.

Parameters:

wopiFrameUrl: The WOPI frame URL used to get the file object.

Type: **CSOM String**

It MUST NOT be NULL.

3.2.5.143.2.2.39 GetFolderByGuestUrl

Return Type: Microsoft.SharePoint.Client.Folder

Returns the folder object from the **tokenized sharing link** URL.

Parameters:

guestUrl: The tokenized sharing link URL for the folder.

Type: **CSOM String**

It MUST NOT be NULL.

ensureAccess: Indicates if the request to the tokenized sharing link grants perpetual access to the calling user.

Type: **CSOM Boolean**

If it is set to true then the user who is requesting the folder will be granted perpetual permissions through the tokenized sharing link.

3.2.5.143.2.2.40 GetFolderByGuestUrlExtended

Return Type: Microsoft.SharePoint.Client.Folder

Returns the folder object from the **tokenized sharing link** URL.

Parameters:

guestUrl: The tokenized sharing link URL for the folder.

Type: **CSOM String**

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It MUST NOT be NULL.

requestSettings: Extended parameters to the request.

Type: Microsoft.SharePoint.Client.Sharing.SharingLinkAccessRequest

See Microsoft.SharePoint.Client.Sharing.SharingLinkAccessRequest as specified in section 3.2.5.452

3.2.5.143.2.2.41 GetFolderByServerRelativePath

Return Type: Microsoft.SharePoint.Client.Folder

Return the folder object that is located at the specified path.

Parameters:

serverRelativePath: Contains the **server-relative URL** for the folder.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	serverRelativePath doesn't correspond to a folder

3.2.5.143.2.2.42 GetListItem

Return Type: Microsoft.SharePoint.Client.ListItem

Returns the list item that is associated with the specified server-relative URL.

Parameters:

strUrl: A string that contains the server-relative URL, for example, "/sites/MySite/Shared Documents/MyDocument.docx".

Type: **CSOM String**

3.2.5.143.2.2.43 GetListItemByResourceId

Return Type: Microsoft.SharePoint.Client.ListItem

Returns the list item that is associated with the specified SkySync ResourceId.

Parameters:

resourceId: Contains the SkySync Resource Id.

Type: **CSOM String**

3.2.5.143.2.2.44 GetListItemUsingPath

Return Type: Microsoft.SharePoint.Client.ListItem

Returns the list item that is associated with the specified server-relative path.

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Parameters:

path: Contains the site-relative path for the list item, for example, /sites/MySite/Shared Documents/MyDocument.docx.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

3.2.5.143.2.2.45 GetListUsingPath

Return Type: Microsoft.SharePoint.Client.List

Returns the list that is associated with the specified server-relative path.

Parameters:

path: Contains the site-relative path for a list, for example, /Lists/Announcements.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

3.2.5.143.2.2.46 GetNewsList

Return Type: Microsoft.SharePoint.Client.List

Returns the News List on this web, if it exists. If the list does not exist, the list will be created and then returned if allowCreate is set to true. The News List is a hidden SP.List in which News Posts are stored.

Parameters:

allowCreate: Indicates whether to create the list if it does not exist on this web. "true" means yes.

Type: **CSOM Boolean**

3.2.5.143.2.2.47 GetRecycleBinItemsByQueryInfo

Return Type: Microsoft.SharePoint.Client.RecycleBinItemCollection

Returns a collection of recycle bin items of the web.

Parameters:

queryInfo: Recycle bin query information for next page or previous page.

Type: Microsoft.SharePoint.Client.RecycleBinQueryInformation

It MUST NOT be NULL.

3.2.5.143.2.2.48 GetStorageEntity

Return Type: Microsoft.SharePoint.ClientSideComponent.StorageEntity

This will return the storage entity identified by the given key

Parameters:

key: ID of storage entity to be returned.

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Type: **CSOM String**

3.2.5.143.2.2.49 GetViewFromPath

Return Type: Microsoft.SharePoint.Client.View

Returns a view of a list within the site based on the specified path.

Parameters:

listPath: Contains either an **absolute path** or a site-relative path of a view.

Type: Microsoft.SharePoint.Client.ResourcePath

3.2.5.143.2.2.50 GetViewFromUrl

Return Type: Microsoft.SharePoint.Client.View

Returns a view of a list within the site based on the specified **URL**.

Parameters:

listUrl: Contains either an **absolute URL** or a **site-relative URL** of a view.

Type: **CSOM String**

3.2.5.143.2.2.51 AddFoldersInCopyMove

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.Folder

Add folders during a cross site Copy/Move of files and folders.

Parameters:

folderFullUrl: Url of the folder

Type: **CSOM String**

It MUST be a URL of absolute form. It MUST start with "http://" or "https://"

parameters: Specifies the settings used for creating a folder.

Type: Microsoft.SharePoint.Client.FolderCollectionAddParameters

It includes bool “OverWrite” which specifies whether to overwrite an existing folder of the same name as the one being created.

3.2.5.144 Microsoft.SharePoint.Client.WebCollection

TypeId: {C197D59E-D070-43BF-AD5E-10D6152E38A6}

ShortName: SP.WebCollection

Specifies a collection of **sites (2)**.

3.2.5.144.1 Properties

3.2.5.144.1.1 Scalar Properties

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None.

3.2.5.144.1.2 ObjectPath Properties

None.

3.2.5.144.2 Methods

3.2.5.144.2.1 Scalar Methods

None.

3.2.5.144.2.2 ObjectPath Methods

3.2.5.144.2.2.1 Add

Return Type: Microsoft.SharePoint.Client.Web

Creates a new **site (2)** and adds it to this collection of sites (2).

Parameters:

parameters: Specifies the properties of the new site (2).

Type: Microsoft.SharePoint.Client.WebCreationInformation

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147024713	Microsoft.SharePoint.SPException	The URL specified in *parameters* 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 (2)** 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 (2)**.

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3.2.5.145.1.1.2 Language

Type: **CSOM Int32**

Accessibility: Read/Write

Specifies the **LCID** specifying the language of the new **site (2)**.

It MUST be a valid LCID, as specified in [MS-LCID].

3.2.5.145.1.1.3 Title

Type: **CSOM String**

Accessibility: Read/Write

Specifies the title of the new **site (2)**.

Its length MUST be equal to or less than 255.

3.2.5.145.1.1.4 Url

Type: **CSOM String**

Accessibility: Read/Write

Specifies the **leaf name** of the new **site (2)**.

It MUST NOT be NULL. Its length MUST be equal to or less than 128. It MUST NOT 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 (2)** 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 (2)**

It MUST refer to an existing site template.

3.2.5.145.1.2ObjectPath Properties

None.

3.2.5.146 Microsoft.SharePoint.Client.WebParts.LimitedWebPartManager

TypeId: {AC641ADE-62DF-49C9-AF8E-ABDA6278E920}

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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

3.2.5.146.2.1.1 ExportWebPart

Return Type: **CSOM String**

Exports the specified Web Part, given its ID.

Parameters:

webPartId: The ID of the Web Part to export.

Type: **CSOM GUID**

It MUST NOT be an empty GUID.

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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.

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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 ExportMode

Type: Microsoft.SharePoint.Client.WebParts.WebPartExportMode

Accessibility: Read/Write

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Gets or sets the export mode of a Web Part.

3.2.5.148.1.1.2 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".

3.2.5.148.1.1.3 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.

3.2.5.148.1.1.4 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 ("").

3.2.5.148.1.1.5 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.

3.2.5.148.1.1.6 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.

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The value of this property SHOULD be a valid URL, but the protocol server MAY accept other strings without validating them.

3.2.5.148.1.1.7 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).<160>

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.

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

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**.

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This value MUST be unique for each Web Part.

3.2.5.149.1.1.2 ZoneId

Type: **CSOM String**

Accessibility: Read Only

Gets the identifier of the WebPart Zone.

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.

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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}

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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.<161>

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

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Error Code	Error Type Name	Condition
		controlId parameter.

3.2.5.151 Microsoft.SharePoint.Client.WebTemplate

TypeId: {2BE10268-4BE1-4B5A-850D-D06B137A9C40}

ShortName: SP.WebTemplate

Specifies a **site definition** or a **site template** that is used to instantiate a **site (2)**.

3.2.5.151.1 Properties

3.2.5.151.1.1 Scalar Properties

3.2.5.151.1.1.1 Description

Type: **CSOM String**

Accessibility: Read Only

Specifies the description for the **site definition configuration** or **site template**.

3.2.5.151.1.1.2 DisplayCategory

Type: **CSOM String**

Accessibility: Read Only

Specifies the **display name** for the category that this **site definition configuration** or **site template** is a part of.

3.2.5.151.1.1.3 Id

Type: **CSOM Int32**

Accessibility: Read Only

Specifies the unique identifier for the **site definition configuration** or the **site template**.

3.2.5.151.1.1.4 ImageUrl

Type: **CSOM String**

Accessibility: Read Only

Specifies the **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

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Specifies whether the **site definition configuration** is displayed in the user interface for creating new **sites (2)**.

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.

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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.<162>

Parameters:

name: 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 *name* 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

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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.

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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

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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 (2)** on which the **workflow association** resides.

3.2.5.153.1.2 ObjectPath Properties

None.

3.2.5.153.2 Methods

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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 associations** 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

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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

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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.

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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 (2)**.

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.

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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.

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3.2.5.157 Microsoft.SharePoint.Client.Workflow.WorkflowTemplateCollection

TypeId: {F64CC3D2-888A-43CC-B579-EF32F83338A4}

ShortName: SP.Workflow.WorkflowTemplateCollection

The collection of **workflow templates** deployed on a **site (2)**.

3.2.5.157.1 Properties

3.2.5.157.1.1 Scalar Properties

None.

3.2.5.157.1.2 ObjectPath Properties

None.

3.2.5.157.2 Methods

3.2.5.157.2.1 Scalar Methods

None.

3.2.5.157.2.2 ObjectPath Methods

3.2.5.157.2.2.1 GetById

Return Type: Microsoft.SharePoint.Client.Workflow.WorkflowTemplate

Returns a **workflow template** based on the workflow template identifier.

It MUST return the **WorkflowTemplate object (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.

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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)**.<163>

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.<164>

3.2.5.159.1 Properties

3.2.5.159.1.1 Scalar Properties

None.

3.2.5.159.1.2 ObjectPath Properties

None.

3.2.5.159.2 Methods

3.2.5.159.2.1 Scalar Methods

None.

3.2.5.159.2.2 ObjectPath Methods

None.

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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**.<165>

3.2.5.160.1 Properties

3.2.5.160.1.1 Scalar Properties

None.

3.2.5.160.1.2 ObjectPath Properties

None.

3.2.5.160.2 Methods

3.2.5.160.2.1 Scalar Methods

None.

3.2.5.160.2.2 ObjectPath 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.<166>

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.

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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**.<167>

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.

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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)**.<168>

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:

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Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	*fieldDotNotation* 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	*fieldDotNotation* is **null.**
-1	System.InvalidOperationException	Type descriptor with the given field name does not exist.

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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.<169> 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	*fieldDotNotation* 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

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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.

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Type: **CSOM String**

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

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	*fieldDotNotation* 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	*fieldDotNotation* 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

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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.<170>

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.<171> For example, customer and order information in a **back-end database server** business application.

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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	*fieldDotNotation* 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:

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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.

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Type: **CSOM String**

value: Value to be set.

Type: **CSOM Object**

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	*fieldDotNotation* 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 the 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

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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.<172>

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.<173>

3.2.5.168.1 Field Values

3.2.5.168.1.1 View

Value: 1

Specifies an event associated with viewing an **item**.

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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**.<174>

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**.

3.2.5.169.1.1.3 FileNameAsPath

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Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

The file name of the attachment as a SP.ResourcePath.

3.2.5.169.1.1.4 ServerRelativePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

The server-relative-path of the attachment.

3.2.5.169.1.2 ObjectPath Properties

None.

3.2.5.169.2 Methods

3.2.5.169.2.1 Scalar Methods

3.2.5.169.2.1.1 DeleteObject

Return Type: None

Deletes this **list item attachment**.

Parameters: None

3.2.5.169.2.1.2 RecycleObject

Return Type: None

Move this attachment to site recycle bin.

Parameters: None

3.2.5.169.2.2 ObjectPath 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**.<175>

3.2.5.170.1 Properties

3.2.5.170.1.1 Scalar Properties

None.

3.2.5.170.1.2 ObjectPath Properties

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None.

3.2.5.170.2 Methods

3.2.5.170.2.1 Scalar Methods

None.

3.2.5.170.2.2 ObjectPath 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 *parameters* is NULL, or the **FileName** property of *parameters* is NULL or empty.
-2147467261	System.ArgumentNullException	*parameters* is NULL.

3.2.5.170.2.2.2 AddUsingPath

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:

filename: A **ResourcePath** object (section 3.2.5.420) that specifies the path for the attachment file.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

contentStream: Stream containing the content of the attachment.

Type: **CSOM Stream**

It MUST NOT be NULL.

Exceptions:

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Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	filename MUST NOT be null.
-2147467261	System.ArgumentNullException	contentStream MUST NOT be null.

3.2.5.170.2.2.3 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**

3.2.5.170.2.2.4 GetByFileNameAsPath

Return Type: Microsoft.SharePoint.Client.Attachment

Get the attachment file.

Parameters:

fileName: The file name.

Type: Microsoft.SharePoint.Client.ResourcePath

3.2.5.171 Microsoft.SharePoint.Client.AttachmentCreationInformation

TypeId: {EDF6309C-8142-4133-921E-4D6AEC35550D}

ShortName: SP.AttachmentCreationInformation

Specifies a **list item attachment**.<176>

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**.

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3.2.5.171.1.2 ObjectPath 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.<177>

3.2.5.172.1 Properties

3.2.5.172.1.1 Scalar Properties

None.

3.2.5.172.1.2 ObjectPath Properties

None.

3.2.5.172.2 Methods

3.2.5.172.2.1 Scalar 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 (2)**.

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 (2)**.

Parameters:

compatibilityLevel: Specifies the major version to request installed server languages for.

Type: **CSOM Int32**

3.2.5.172.2.1.3 IsSharePointOnline

This method is a **static CSOM method**.

Return Type: **CSOM Boolean**

If true the service is a SharePoint Online service; false if otherwise.

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Parameters: None

3.2.5.172.2.2 ObjectPath 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 **URL**s of the current **site (2)** 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.<178>

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.

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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.<179>

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.<180>

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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.<181>

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

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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 the unsubscribe operation is performed.

Type: **CSOM String**

unsubscriberName: 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.

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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

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Error Code	Error Type Name	Condition
		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:

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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:

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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:

methodInstanceName: **MethodInstance** name

Type: **CSOM String**

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

Exceptions:

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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:

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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.

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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

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Error Code	Error Type Name	Condition
		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 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

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Error Code	Error Type Name	Condition
		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:

methodInstanceName: 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.

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3.2.5.176.2.2.17 GetFinderView

Return Type: Microsoft.BusinessData.MetadataModel.EntityView

Specifies the **View** for the given finder method.

Parameters:

methodInstanceName: 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.

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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
-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** identifier.<182>

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

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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.

3.2.5.177.2.2 ObjectPath 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**.<183>

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).

3.2.5.178.1.2 ObjectPath Properties

None.

3.2.5.178.2 Methods

3.2.5.178.2.1 Scalar Methods

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None.

3.2.5.178.2.2 ObjectPath 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**.<184>

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.<185> It represents the data type for a method parameter in the **Business Data Connectivity (BDC) MetadataCatalog**.

3.2.5.180.1 Properties

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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

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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

3.2.5.180.2.2ObjectPath 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:

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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**.<186> 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 IsAppSideloadingEnabled

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 (2)**, 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

3.2.5.181.2.1.2 GetAppPermissionDescriptions

This method is a **static CSOM method**.

Return Type: **CSOM array** of **CSOM String**

Gets the permissions requested by the SharePoint app. Returns null for a side-loaded app.

Parameters:

web: The web where the app is installed.

Type: Microsoft.SharePoint.Client.Web

appInstance: The appInstance for the app.

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Type: Microsoft.SharePoint.Client.AppInstance

3.2.5.181.2.2ObjectPath Methods

3.2.5.181.2.2.1 GetAppDetails

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Packaging.AppDetails

Gets the AppDetails for the SP.App that has a host web of web and an appinstanceId of appinstance. If the SP.App has no details such as in the side-loaded case, then null is returned.

Parameters:

web: The host web where the application is installed.

Type: Microsoft.SharePoint.Client.Web

appInstance: The appInstance of the application.

Type: Microsoft.SharePoint.Client.AppInstance

3.2.5.181.2.2.2 GetAppInstance

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.AppInstance

Get an App Instance by the Id returned by the Install operation. If the App instance has any localizable properties (like Title), they will be localized based on the Current thread's CurrentUICulture.

Parameters:

web: The web that the App Instance is installed to.

Type: Microsoft.SharePoint.Client.Web

appInstanceId: The Id of the App Instance.

Type: **CSOM GUID**

3.2.5.181.2.2.3 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 (2)**.

Parameters:

web: The target site (2).

Type: Microsoft.SharePoint.Client.Web

It MUST NOT be NULL.

3.2.5.181.2.2.4 GetDeveloperSiteAppInstancesByIds

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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**.<187>

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 (2)** 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.

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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 (2)** 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 (2)** 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

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Type: **CSOM String**

Accessibility: Read Only

Specifies the **URL** to configure the settings of this **app instance**.

3.2.5.182.1.1.12 ImageFallbackUrl

Type: **CSOM String**

Accessibility: Read Only

Gets the **URL** of the fallback image.

3.2.5.182.1.1.13 ImageUrl

Type: **CSOM String**

Accessibility: Read Only

The **URL** of the **image** relative to the layouts folder of the site where the app is installed.

3.2.5.182.1.1.14 PackageFingerprint

Type: **CSOM binary**

Accessibility: Read Only

Gets the package fingerprint.

3.2.5.182.1.1.15 ProductId

Type: **CSOM GUID**

Accessibility: Read Only

Gets the **App instance**'s Product Id.

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**

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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 (2)** that contains this **app instance** and upgrades this app instance to that version. The site (2) 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

3.2.5.182.2.1.7 GetAppDatabaseConnectionString

Return Type: CSOM String

The Connection string for the app database.

Parameters: None

3.2.5.182.2.1.8 Recycle

Return Type: CSOM GUID

Creates a job that sends the **app instance** to the recycle bin, where it will stay until restored by <see cref="SPAppInstance.Restore" />, or uninstalled at the end of the retention period.

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Returns the job Id of the recycle job.

Parameters: None

3.2.5.182.2.1.9 Restore

Return Type: **CSOM GUID**

Creates a job that restores the **app instance** from the recycle bin to the Installed state.

Returns the job Id of the restore job.

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

3.2.5.182.2.2.3 GetAppIcon

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Packaging.AppIconInfo

Gets the icon information for the app. Returns the icon information for the app.

Parameters:

hostWeb: The app host web.

Type: Microsoft.SharePoint.Client.Web

appinstanceId: The **app instance** identifier.

Type: **CSOM GUID**

packageFingerprint: The **app package** fingerprint.

Type: **CSOM binary**

3.2.5.183 Microsoft.SharePoint.Client.ChangeLogItemQuery

TypeId: {820ED5A1-95F7-493B-88FA-266E9DB920AF}

ShortName: SP.ChangeLogItemQuery

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Specifies an object that is used as the input parameter of **GetListItemChangesSinceToken** (section 3.2.5.79.2.1.7) method.<188>

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 [MS-LISTSWS] section 2.2.4.4.

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

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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.<189>

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

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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 (2)** 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.<190>

The NoCrawl and SchemaXmlWithResourceTokens properties are 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**

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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".

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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

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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/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	This **field (2)** belongs to a **list** 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/Write

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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**.

3.2.5.185.1.1.16 Scope

Type: **CSOM String**

Accessibility: Read Only

See **Microsoft.SharePoint.Client.Field.Scope**, as specified in section 3.2.5.37.1.1.16.

3.2.5.185.1.1.17 Sealed

Type: **CSOM Boolean**

Accessibility: Read/Write

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

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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

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Type: **CSOM String**

Accessibility: Read/Write

Gets the name of an external ECMAScript ([ECMA-262-1999]) 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)**.

3.2.5.185.1.1.30 AutoIndexed

Type: **CSOM Boolean**

Accessibility: Read Only

Gets a Boolean value that specifies whether the field is auto-indexed. True to specify that the field is auto-indexed; otherwise, false.

3.2.5.185.1.1.31 ClientSideComponentId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the client-side component defined with SharePoint Framework.

3.2.5.185.1.1.32 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read/Write

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

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3.2.5.185.1.1.33 CustomFormatter

Type: **CSOM String**

Accessibility: Read/Write

A JSON string representing the custom rendering format of the field.

3.2.5.185.1.1.34 DefaultFormula

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the default formula for a calculated field.

3.2.5.185.1.1.35 NoCrawl

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether the field can be crawled by a search engine.

3.2.5.185.1.1.36 PinnedToFiltersPane

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that indicates whether the field pins to filter pane.

3.2.5.185.1.1.37 ShowInFiltersPane

Type: Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

Accessibility: Read/Write

Indicates whether the field will be shown.

3.2.5.185.1.2 ObjectPath Properties

3.2.5.185.1.2.1 DescriptionResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the Description property for a field.

3.2.5.185.1.2.2 TitleResource

Type: Microsoft.SharePoint.Client.UserResource

Accessibility: Read Only

Gets the resource object corresponding to the Title property for a field.

3.2.5.185.2 Methods

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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 (2)**, 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 this field to show or hide in the display form.

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 this field to show or hide in the edit form.

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 this field to show or hide in the new form.

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)**.

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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).

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Type: **CSOM String**

3.2.5.185.2.2 ObjectPath 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).<191>

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.

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3.2.5.187 Microsoft.SharePoint.Client.Sharing.DocumentSharingManager

TypeId: {10C23C0E-CEAD-4F15-9DEB-A0F1D7507495}

ShortName: SP.Sharing.DocumentSharingManager

Specifies **document** sharing related methods.<192>

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 assigned roles on 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.

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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

propagateAcl: A flag to determine if permissions SHOULD be pushed to items with unique permission.

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

3.2.5.187.2.1.3 CanMemberShare

This method is a **static CSOM method**.

Return Type: CSOM Boolean

Specifies whether the **list** can do member sharing.

Parameters:

list: The list to check member sharing.

Type: Microsoft.SharePoint.Client.List

3.2.5.187.2.1.4 RemoveItemsFromSharedWithMeView

This method is a **static CSOM method**.

Return Type: CSOM array of Microsoft.SharePoint.Client.Sharing.SharedWithMeViewItemRemovalResult

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Removes an item so that it no longer shows in the current user's 'Shared With Me' view. However, this does not remove the user's actual permissions to the item. Up to 200 items can be provided in a single call. Returns a list of results indicating whether the items were successfully removed. The length of this array will match the length of the *itemUrls* array that was provided.

Parameters:

itemUrls: A list of absolute URLs of the items to be removed from the view. These items might belong to any site or site collection in the tenant.

Type: CSOM array of **CSOM String**

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**.<193>

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

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Value: 3

The user is an owner of a **securable object** and can manage permissions, and edit, read or delete the object.

3.2.5.188.1.5 LimitedView

Value: 4

The user can only read a **securable object**. This role is specifically used in **tokenized sharing links**.

3.2.5.188.1.6 LimitedEdit

Value: 5

The user can edit or read a **securable object** but cannot delete it. This role is specifically used in **tokenized sharing links**.

3.2.5.188.1.7 Review

Value: 6

The user can read a **securable object**, plus comment in/on it.

3.2.5.188.1.8 RestrictedView

Value: 7

The user can view a **securable object** only in web viewer, cannot download it.

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.<194>

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.

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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.<195>

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.

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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".

3.2.5.190.1.1.7 DisplayName

Type: **CSOM String**

Accessibility: Read Only

Gets the display name of the user.

3.2.5.190.1.1.8 Email

Type: **CSOM String**

Accessibility: Read Only

Gets the user email.

3.2.5.190.1.1.9 InvitationLink

Type: **CSOM String**

Accessibility: Read Only

Gets the invitation link.

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 (2)** creation.<196>

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 (2)**.

3.2.5.191.1.1.2 Language

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Type: **CSOM UInt32**

Accessibility: Read/Write

Specifies the **language code identifier (LCID)** for the language that is used on the **site (2)**.

3.2.5.191.1.1.3 Title

Type: **CSOM String**

Accessibility: Read/Write

Specifies the title for the **site (2)**.

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 (2)**.

It MUST NOT be NULL.

3.2.5.191.1.1.5 UseUniquePermissions

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether the **site (2)** 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 (2)**.

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 (2)**.<197>

3.2.5.192.1 Properties

3.2.5.192.1.1 Scalar Properties

3.2.5.192.1.1.1 Created

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Type: **CSOM DateTime**

Accessibility: Read Only

Specifies when the **site (2)** was created.

3.2.5.192.1.1.2 Description

Type: **CSOM String**

Accessibility: Read Only

Specifies the description for the **site (2)**.

3.2.5.192.1.1.3 Id

Type: **CSOM GUID**

Accessibility: Read Only

Specifies the **site identifier** for the **site (2)**.

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 (2)**.

3.2.5.192.1.1.5 LastItemModifiedDate

Type: **CSOM DateTime**

Accessibility: Read Only

Specifies when an **item** was last modified in the **site (2)**.

3.2.5.192.1.1.6 Title

Type: **CSOM String**

Accessibility: Read Only

Specifies the title for the **site (2)**.

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 (2)**.

3.2.5.192.1.1.8 ServerRelativeUrl

Type: **CSOM String**

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Accessibility: Read Only

Specifies the **server-relative URL** of the **site (2)**.

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 (2)**.

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 (2)**.

3.2.5.192.1.1.11 LastItemUserModifiedDate

Type: **CSOM DateTime**

Accessibility: Read Only

Gets the date and time that an item was last modified in the site by a non-system update. A non-system update is a change to a list item that is visible to end users.

3.2.5.192.1.2 ObjectPath Properties

None.

3.2.5.192.2 Methods

3.2.5.192.2.1 Scalar Methods

None.

3.2.5.192.2.2 ObjectPath 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 (2)**.<198>

3.2.5.193.1 Properties

3.2.5.193.1.1 Scalar Properties

None.

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3.2.5.193.1.2 ObjectPath Properties

None.

3.2.5.193.2 Methods

3.2.5.193.2.1 Scalar Methods

None.

3.2.5.193.2.2 ObjectPath Methods

3.2.5.193.2.2.1 Add

Return Type: Microsoft.SharePoint.Client.WebInformation

Creates a new **site (2)** and adds it to this collection of sites (2).

Parameters:

parameters: The properties for the new site (2).

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 (2)** specified by the identifier of the site (2).

Parameters:

id: Specifies the identifier of site (2).

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 *id* 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)**.<199>

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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.

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Parameters:

itemId: Specifies the identifier of the **list item**.

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 (2)**.<200>

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**.

3.2.5.196.1.2 ObjectPath Properties

None.

3.2.5.196.2 Methods

3.2.5.196.2.1 Scalar 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**

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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

3.2.5.196.2.2 ObjectPath 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**.<201>

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.

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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

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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 **Office Add-in**. The default value is false.

3.2.5.197.1.1.14 DisableDocumentBrowserView

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether to block the **Office Add-in** from showing this document. The default value is false.

3.2.5.197.1.1.15 TemplateId

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the ID of the RMS template that will be applied to the file or library.

3.2.5.197.1.2 ObjectPath 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.

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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**.<202>

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.<203>

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).

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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 *inputFilterName* is **null** or empty.
-2146233086	System.ArgumentOutOfRangeException	The value at index in the filter is not accessible for modification. 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.

3.2.5.199.2.2 ObjectPath Methods

None.

3.2.5.200 Microsoft.SharePoint.Client.ContextWebInformation

TypeId: {DF0C42FE-FC26-4D81-A32E-A40090D1ACB7}

ShortName: SP.ContextWebInformation

Specifies metadata about a **site (2)**.<204>

3.2.5.200.1 Properties

3.2.5.200.1.1 Scalar Properties

3.2.5.200.1.1.1 FormDigestTimeoutSeconds

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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 (2)**.

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 (2)**.

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 (2)**.

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**.<205>

3.2.5.201.1 Properties

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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

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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 SP.EventReceiverDefinition 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.

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3.2.5.202.2.2 ObjectPath Methods

3.2.5.202.2.2.1 Add

Return Type: Microsoft.SharePoint.Client.EventReceiverDefinition

Creates an event receiver definition in the collection that is based on the specified event receiver creation information.

Parameters:

eventReceiverCreationInformation: The event receiver creation information from which to create the event receiver definition in the collection.

Type: Microsoft.SharePoint.Client.EventReceiverDefinitionCreationInformation

3.2.5.202.2.2.2 GetById

Return Type: Microsoft.SharePoint.Client.EventReceiverDefinition

Returns the event receiver with the specified identifier.

Parameters:

eventReceiverId: The identifier of the event receiver.

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.<206>

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

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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**.<207>

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

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Value: 1

Specifies that the **event receiver** is to run synchronously, or immediately.

3.2.5.204.1.3Asynchronous

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**.<208>

3.2.5.205.1 Field Values

3.2.5.205.1.1InvalidReceiver

Value: -1

Indicates that an invalid **event receiver** type has been specified.

3.2.5.205.1.2ItemAdding

Value: 1

Specifies an **event** that occurs before an **item** is added.

3.2.5.205.1.3ItemUpdating

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

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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

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Specifies an **event** that occurs before a **site collection** in deleted.

3.2.5.205.1.18 WebDeleting

Value: 202

Specifies an **event** that occurs before a **site (2)** is deleted.

3.2.5.205.1.19 WebMoving

Value: 203

Specifies an **event** that occurs before a **site (2) URL** is changed.

3.2.5.205.1.20 WebAdding

Value: 204

Specifies an **event** that occurs before a new **site (2)** 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

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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

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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

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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 (2)** has been deleted.

3.2.5.205.1.51 WebMoved

Value: 10203

Specifies an **event** that occurs after a **site (2) URL** has been changed.

3.2.5.205.1.52 WebProvisioned

Value: 10204

Specifies an **event** that occurs after a new **site (2)** has been created, but before that new site (2) 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

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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

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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.

3.2.5.205.1.77 WebRestored

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Value: 10205

Specifies an **event** that occurs after a site was restored from the recycle bin.

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.<209>

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

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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 (2)** which contains the **parent list** of the **list item**.

If **WebId** is NULL then the site (2) that contains the target list item is the same as the site (2) that contains the source list item.

3.2.5.206.1.2 ObjectPath 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).<210>

3.2.5.207.1 Properties

3.2.5.207.1.1 Scalar Properties

None.

3.2.5.207.1.2 ObjectPath 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**

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SourceWebUrl: Specifies the **URL** or **site identifier** for the **site (2)** 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 (2) 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 (2)** 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 (2) which contains the parent list of the target list item.

Type: CSOM String

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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

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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.<211>

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.

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3.2.5.208.1.2VersionUpgrade

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.<212>

3.2.5.209.1 Properties

3.2.5.209.1.1Scalar 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.

3.2.5.209.1.2ObjectPath 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 type**s provisioned by the application.<213>

3.2.5.210.1 Properties

3.2.5.210.1.1Scalar Properties

None.

3.2.5.210.1.2ObjectPath Properties

None.

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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.

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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**.

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Error Code	Error Type Name	Condition
-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.

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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.

3.2.5.210.2.1.6 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.
-	System.IO.FileNotFoundException	BDC MetadataCatalog file not found.

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Error Code	Error Type Name	Condition
2147024894		

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**, **ODataServiceMetadataUrl** 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.

3.2.5.210.2.2 ObjectPath 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.

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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.<214>

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**

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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.<215>

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**

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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**.<216>

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**

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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", "UserContest", "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.

3.2.5.213.1.2 ObjectPath Properties

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None.

3.2.5.213.2 Methods

3.2.5.213.2.1 Scalar Methods

None.

3.2.5.213.2.2 ObjectPath 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.<217>

3.2.5.214.1 Properties

3.2.5.214.1.1 Scalar Properties

None.

3.2.5.214.1.2 ObjectPath 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

3.2.5.214.2.1 Scalar Methods

None.

3.2.5.214.2.2 ObjectPath 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.<218>

3.2.5.215.1 Properties

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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.<219>

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**

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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.<220>

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**

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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.

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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**.

3.2.5.217.1.1.15 AllowOnlyEmailAddresses

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether to allow the picker to resolve only email addresses as valid entities.

This property is only used when **AllowEmailAddresses** (section 3.2.5.217.1.1.1) is set to True. Otherwise it is ignored.

3.2.5.217.1.1.16 QuerySettings

Type: Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.PeoplePickerQuerySettings

Accessibility: Read/Write

Specifies the settings to be used in the **principal** query.

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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 (2)** 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)**.<221>

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 (2)**.<222>

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/Write

Specifies the number of days to extend or reduce the current month in Hijri calendars on the **site (2)**.

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3.2.5.219.1.1.2 AlternateCalendarType

Type: **CSOM Int16**

Accessibility: Read/Write

Gets an alternate calendar type that is used on the **site (2)**.

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 (2)**.

3.2.5.219.1.1.4 CalendarType

Type: **CSOM Int16**

Accessibility: Read/Write

Specifies the calendar type that SHOULD be used when processing date values on the **site (2)**. 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**

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Accessibility: Read/Write

Specifies the **collation** order of the **site (2)**, which indicates an additional sorting order that SHOULD be processed by any **back-end database server** associated with the site (2). 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 (2)**.

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

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Type: **CSOM UInt32**

Accessibility: Read/Write

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/Write

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**

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Accessibility: Read Only

Specifies whether the **site (2)** 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 (2)** 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/Write

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 (2)**.

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

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Specifies the string that is used to represent time after noon on the **site (2)**.

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 (2)**.

3.2.5.219.1.1.21 ShowWeeks

Type: **CSOM Boolean**

Accessibility: Read/Write

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 (2)**. 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/Write

Specifies whether the **site (2)** 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

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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/Write

Specifies the default hour at which the work day ends on the calendar that is in use on the **site (2)**.

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

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3.2.5.219.1.1.27 WorkDays

Type: CSOM Int16

Accessibility: Read/Write

Specifies a number that represents the work days of **site (2)** calendars.

Specifies a value that represents the work days in the site (2). 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 (2).

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/Write

Specifies the default hour at which the work day starts on the calendar that is in use on the **site (2)**.

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

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Value	Description
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

3.2.5.219.1.1.29 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/Write

Specifies the **time zone** of the **site (2)**.

3.2.5.219.1.2.2 TimeZones

Type: Microsoft.SharePoint.Client.TimeZoneCollection

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Accessibility: Read Only

Specifies the collection of **time zones** used on the **site (2)**.

3.2.5.219.2 Methods

3.2.5.219.2.1 Scalar Methods

3.2.5.219.2.1.1 Update

Return Type: None

Saves updates that have been done to this object.

Parameters: 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 (2)**.<223>

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

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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

3.2.5.220.2.2 ObjectPath Methods

None.

3.2.5.221 Microsoft.SharePoint.Client.TimeZoneCollection

TypeId: {117CBF47-7E74-4165-B26B-C24180AB2095}

ShortName: SP.TimeZoneCollection

Represents a collection of SP.TimeZone objects.

3.2.5.221.1 Properties

3.2.5.221.1.1 Scalar Properties

None.

3.2.5.221.1.2 ObjectPath Properties

None.

3.2.5.221.2 Methods

3.2.5.221.2.1 Scalar Methods

None.

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3.2.5.221.2.2 ObjectPath Methods

3.2.5.221.2.2.1 GetById

Return Type: Microsoft.SharePoint.Client.TimeZone

Retrieves a time zone from the collection using the specified identifier.

Parameters:

id: The identifier associated with the time zone.

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**.<224>

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.

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3.2.5.223 Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.ClientPeoplePickerWebServiceInterface

TypeId: {DE2DB963-8BAB-4FB4-8A58-611AEBC5254B}

ShortName: SP.UI.ApplicationPages.ClientPeoplePickerWebServiceInterface

Specifies an interface that can be used to query **principals**.

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**

Resolves the **principals** to a string of JSON representing users in people picker format.

Parameters:

queryParams: Specifies the properties of a principal query.

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**

Returns for a string of JSON representing users in people picker format of the specified **principals**.

Parameters:

queryParams: Specifies the properties of a principal query.

Type: Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.ClientPeoplePickerQueryParameters

3.2.5.223.2.2 ObjectPath Methods

3.2.5.223.2.2.1 GetPickerEntityInformation

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.PickerEntityInformation

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Gets information of the specified **principal**.

Parameters:

entityInformationRequest: Specifies the principal for which information is being requested.

Type: Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.PickerEntityInformationRequest

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**.<225>

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.

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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**.<226>

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**.

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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 (2)** containing the target **list** for the **relationship lookup field**.

3.2.5.225.1.2 ObjectPath Properties

None.

3.2.5.225.2 Methods

3.2.5.225.2.1 Scalar Methods

None.

3.2.5.225.2.2 ObjectPath 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**.<227>

3.2.5.226.1 Properties

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3.2.5.226.1.1 Scalar Properties

None.

3.2.5.226.1.2 ObjectPath Properties

None.

3.2.5.226.2 Methods

3.2.5.226.2.1 Scalar Methods

None.

3.2.5.226.2.2 ObjectPath 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**.<228>

3.2.5.227.1 Properties

3.2.5.227.1.1 Scalar 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**

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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 (2)**.

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

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Indicates whether the object sharing information contains **permissions** information in addition to the identities of the users who have access to the **securable object**.

3.2.5.227.1.1.11 CanBeShared

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the current **securable object** can be shared.

3.2.5.227.1.1.12 CanBeUnshared

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the current **securable object** can be unshared.

3.2.5.227.1.1.13 SharingLinks

Type: **CSOM array** of Microsoft.SharePoint.Client.SharingLinkInfo

Accessibility: Read Only

Indicates the collection of all available sharing links for the **securable object**.

3.2.5.227.1.1.14 IsFolder

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the current selection is a folder.

3.2.5.227.1.1.15 TotalFileCount

Type: **CSOM UInt64**

Accessibility: Read Only

Indicates the number of files under the directory if the current selection is a directory (**IsFolder** is true).

3.2.5.227.1.2 ObjectPath Properties

3.2.5.227.1.2.1 SharedWithUsersCollection

Type: Microsoft.SharePoint.Client.ObjectSharingInformationUserCollection

Accessibility: Read Only

A collection of shared with users.

3.2.5.227.2 Methods

3.2.5.227.2.1 Scalar Methods

3.2.5.227.2.1.1 CanCurrentUserShare

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This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.UserSharingCapabilities

Indicates whether the current user can share the document identified by docId.

Parameters:

docId: Identifies the document that will be analyzed from a sharing perspective.

Type: **CSOM String**

3.2.5.227.2.1.2 CanCurrentUserShareRemote

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.UserSharingCapabilities

Indicates whether the current user can share the document identified by docId, from a remote context.

Parameters:

docId: Identifies the document that will be analyzed from a sharing perspective.

Type: **CSOM String**

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.

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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 (2)**, 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.

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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 (2)**, 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 (2)**. The current site (2) is the site (2) 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 (2).

Type: CSOM Boolean

excludeSecurityGroups: Specifies whether the returned sharing state information will exclude information about **security groups** which have **permissions** to the current site (2).

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 (2).

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 (2), if such a URL is available.

Type: CSOM Boolean

3.2.5.227.2.2.5 GetObjectSharingInformation2

This method is a **static CSOM method**.

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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

checkForAccessRequests: Specifies whether the returned sharing state information will contain a URL to a location which describes any access requests present in the **site (2)**, 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

forceRetrievePermissionLevels: Specifies whether to retrieve sharing information with permission levels.

Type: CSOM Boolean

3.2.5.227.2.2.6 GetObjectSharingInformationByUrl

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ObjectSharingInformation

Retrieves information about the sharing state for a given object URL.

Parameters:

objectUrl: Specifies the URL of the securable object for which to obtain sharing information.

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Type: **CSOM String**

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

checkForAccessRequests: Specifies whether the returned sharing state information will contain a URL to a location which describes any access requests present in the **site (2)**, 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

3.2.5.228 Microsoft.SharePoint.Client.PushNotificationSubscriber

TypeId: {1489ADD2-5D3A-4DE8-9445-49259462DCEB}

ShortName: SP.PushNotificationSubscriber

Specifies a push notification subscriber.<229>

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.

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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

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Updates the push notification subscriber 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.<230>

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

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Value: 0

This value denotes an invalid event type. This value MUST NOT be used in the **Subscriber** stereotype.

3.2.5.230.1.2ItemAdded

Value: 1

An item has been added.

3.2.5.230.1.3ItemUpdated

Value: 2

An item has been updated.

3.2.5.230.1.4ItemDeleted

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

3.2.5.231.1.1Scalar 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**.

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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

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Type: **CSOM dictionary**

Accessibility: Read Only

The map of **subscription** identifier names and their values returned by the external system during the 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 3.2.5.232).

Parameters:

id: The map of subscription identifier names and their values returned by the external system during the 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.<231>

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

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Return Type: None

Used to log events.

Parameters:

usageEntry: the **UsageEntry** (section 3.2.5.234) 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).<232>

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

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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-262-1999]).

Exceptions:

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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

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3.2.5.236.2.2.1 CSOM Constructor

Creates an instance of type **ExternalSubscriptionStore** (section 3.2.5.236).

Parameters:

web: The **site (2)** 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 **SharePoint Add-in**. 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.

3.2.5.237.1.2 ObjectPath Properties

None.

3.2.5.237.2 Methods

3.2.5.237.2.1 Scalar Methods

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None.

3.2.5.237.2.2 ObjectPath 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

3.2.5.238.1.1 InvalidStatus

Value: 0

This value indicates an internal product error. An app instance SHOULD NOT have this value.

3.2.5.238.1.2 Installing

Value: 1

This value indicates that the **app instance** is in the process of installing.

3.2.5.238.1.3 Canceling

Value: 7

This value indicates that the **app instance** was installing, but was cancelled, and is now uninstalling.

3.2.5.238.1.4 Uninstalling

Value: 4

This value indicates that the **app instance** is uninstalling.

3.2.5.238.1.5 Installed

Value: 5

This value indicates that the **app instance** is installed.

3.2.5.238.1.6 Upgrading

Value: 8

This value indicates that the **app instance** is upgrading.

3.2.5.238.1.7 Initialized

Value: 9

This value indicates that the **app instance** has been created, but not yet installed.

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3.2.5.238.1.8 UpgradeCanceling

Value: 10

This value indicates that the **app instance** was upgrading, but has cancelled.

3.2.5.238.1.9 Disabling

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**.

3.2.5.238.1.12 Recycling

Value: 14

This value indicates that the **App instance** is moving to the **recycle** bin.

3.2.5.238.1.13 Recycled

Value: 15

This value indicates that the **App instance** is in the **recycle** bin.

3.2.5.238.1.14 Restoring

Value: 16

This value indicates that the **App instance** is moving from the **recycled** bin back to Installed.

3.2.5.238.1.15 RestoreCanceling

Value: 17

This value indicates that the **App instance** was restoring from the **recycle** bin, but has cancelled.

3.2.5.239 Microsoft.SharePoint.Client.AppLicense

TypeId: {D3425BF9-FE82-4957-AFDA-5FBD21DABB85}

ShortName: SP.AppLicense

Specifies a **marketplace license**.<233>

3.2.5.239.1 Properties

3.2.5.239.1.1 Scalar Properties

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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**.<234>

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 a **SharePoint Add-in**, and can also limit the number of people who are able to use the SharePoint Add-in.

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 **SharePoint Add-in**.

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 **SharePoint Add-in**.

3.2.5.241.1.3 TrialMultiUser

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Value: 2

Specifies a trial **marketplace license** with a limit on the number of people who can use the **SharePoint Add-in**.

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 **SharePoint Add-in**.

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.

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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)**.

3.2.5.243.1.1.5 ItemId

Type: **CSOM Int32**

Accessibility: Read/Write

Specifies the identifier 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

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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 IsDeleted

Type: **CSOM Boolean**

Accessibility: Read/Write

A client MUST use this property set to TRUE to indicate that this node MUST be deleted by the server. When set to TRUE the server MUST delete the node including all the child nodes when present. When set to FALSE the server SHOULD NOT delete this node.

3.2.5.244.1.1.4 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.

3.2.5.244.1.1.5 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.

3.2.5.244.1.1.6 Nodes

Type: **CSOM array** of Microsoft.SharePoint.Client.MenuNode

Accessibility: Read/Write

Specifies an array of child nodes.

3.2.5.244.1.1.7 NodeType

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Type: Microsoft.SharePoint.Client.MenuNodeType

Accessibility: Read/Write

Specifies the type of the navigation node.

3.2.5.244.1.1.8 SimpleUrl

Type: **CSOM String**

Accessibility: Read/Write

If the **NodeType** (section 3.2.5.244.1.1.7) 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 (2)** or to the **site collection** respectively. If the **NodeType** (section 3.2.5.244.1.1.7) property is not set to "SimpleLink", the value MUST be an empty string.

3.2.5.244.1.1.9 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 (2)** 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

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A menu tree which can be shown in the **Quick Launch** of a **site (2)**.

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 3.2.5.244.1.1.7) 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 (2)** or to the **site collection** respectively. If the **NodeType** property (section 3.2.5.244.1.1.7) 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

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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**

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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**.

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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.

3.2.5.247.1.1.13 IsDomainGroup

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the user is a DomainGroup.

3.2.5.247.1.1.14 IsMemberOfGroup

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the user is a member of SP.Group.

3.2.5.247.1.1.15 HasReviewPermission

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the **principal** has Review permission for a **document**.

3.2.5.247.1.1.16 IsExternalUser

Type: **CSOM Boolean**

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Accessibility: Read Only

Boolean indicating whether the user is external or not.

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 (2)**.

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 (2)**.

3.2.5.248.1.2 InitNavigationCache

Value: 1

This value specifies that the navigation information is to be returned with the **site (2)**.

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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**

3.2.5.249.2.2 ObjectPath Methods

3.2.5.249.2.2.1 CSOM Constructor

Instantiates an instance of type **RequestVariable** (section 3.2.5.249).

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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

3.2.5.250.1.1 Scalar Properties

None.

3.2.5.250.1.2 ObjectPath Properties

None.

3.2.5.250.2 Methods

3.2.5.250.2.1 Scalar Methods

None.

3.2.5.250.2.2 ObjectPath 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**.

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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.

3.2.5.252.1.5 Syndicate

Value: 4

Opens the item in syndicate mode.

3.2.5.252.1.6 LegacyWebService

Value: 5

Opens the item in legacy web service mode.

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.

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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 GetPublishingNavigationProviderType

Return Type: Microsoft.SharePoint.Navigation.REST.PublishingNavigationProviderType

Gets a publishing navigation provider type when publishing feature is turned on for the **site (2)**. If navigation provider is not found on the site MUST return **InvalidSiteMapProvider** type.

Parameters:

mapProviderName: Name identifying the navigation provider

Type: **CSOM String**

The server will use "SPNavigationProvider" as provider name if mapProviderName is not specified.

It MUST NOT be NULL.

3.2.5.253.2.1.2 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.<235>

Type: CSOM String

3.2.5.253.2.1.3 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**

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mapProviderName: The name identifying the provider to use. <236>

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

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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.

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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

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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

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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 (2)**.

3.2.5.257.1.3 ParentWeb

Value: 2

The error originated from an **app instance** lifecycle operation on the **site (2)** 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 **Office Add-in**.

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

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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

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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 **ID** property (section 3.2.5.76.1.1.8) of an existing site group or a valid **ID** property (section 3.2.5.113.1.1.4) pointing to a role definition.

3.2.5.260.2.1.2 ChangeRequestStatusBulk

This method is a **static CSOM method**.

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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. The status code MUST be one of the following:

Status code	Status description
0	The access request or invitation is pending.
1	The access request has been approved.
2	The invitation has been accepted.
3	The access request has been denied.
4	The invitation has expired.
5	The invitation has been revoked.

3.2.5.260.2.1.3 QuickActionChangeRequestStatus

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.QuickActionMessageCard.MessageCard

Change an access request status through actionable message card

Parameters:

web: The current **site (2)** that is the target of the request.

Type: Microsoft.SharePoint.Client.Web

refreshStatus: An object that contains signature to verify, unique Id of the access request, and the target status.

Type: Microsoft.SharePoint.QuickActionMessageCard.SPAccessRequestRefreshStatus

3.2.5.260.2.1.4 UpdateConversation

This method is a **static CSOM method**.

Return Type: None

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Updates a conversation in a request.

Parameters:

itemId: The identifier of the conversation.

Type: **CSOM Int32**

convStr: A message to include with this update.

Type: **CSOM String**

web: The **site (2)** containing the conversation.

Type: Microsoft.SharePoint.Client.Web

3.2.5.260.2.2 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 a **SharePoint Add-in** 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 a **SharePoint Add-in**.

It MUST NOT be NULL.

3.2.5.261.1.2.2 Web

Type: Microsoft.SharePoint.Client.Web

Accessibility: Read Only

Specifies the **site (2)** that is the target of the request from a **SharePoint Add-in**.

It MUST NOT be NULL.

3.2.5.261.2 Methods

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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.<237>

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

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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.

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.

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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.

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.

3.2.5.262.2.2 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.

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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 BackgroundCollageImageLocations

Type: **CSOM array** of **CSOM String**

Accessibility: Read/Write

Specifies the location of the images used to render the tile background, if it is a tile with a split background.

3.2.5.264.1.1.2 BackgroundImageLocation

Type: **CSOM String**

Accessibility: Read/Write

Specifies the **URL** of the Tile background image.

3.2.5.264.1.1.3 BackgroundImageRendersAsIcon

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether the background image renders as an icon, positioned just above the overlay.

3.2.5.264.1.1.4 BodyText

Type: **CSOM String**

Accessibility: Read/Write

Specifies the text written in the body of the tile.

3.2.5.264.1.1.5 Description

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Type: **CSOM String**

Accessibility: Read/Write

Specifies the text that describes a Tile.

3.2.5.264.1.1.6 HoverDisabled

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether the tile's hover behavior SHOULD be disabled.

3.2.5.264.1.1.7 ID

Type: **CSOM Int32**

Accessibility: Read/Write

Species a unique number that represents the Tile in a list of Tiles.

3.2.5.264.1.1.8 IsWide

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether the tile is a wide tile.

3.2.5.264.1.1.9 LinkLocation

Type: **CSOM String**

Accessibility: Read/Write

Specifies the **URL** location of the navigation that happens on Tile click.

3.2.5.264.1.1.10 TileOrder

Type: **CSOM Int32**

Accessibility: Read/Write

Specifies a number that indicates the ordering of the Tile in a list of Tiles.

3.2.5.264.1.1.11 Title

Type: **CSOM String**

Accessibility: Read/Write

Specifies the title of the Tile.

3.2.5.264.1.1.12 TransparentOverlay

Type: **CSOM Boolean**

Accessibility: Read/Write

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Specifies whether the tile's title overlay SHOULD be completely transparent.

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.

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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.

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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 **SP.AppPrincipalCredential** 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 **SP.AppPrincipalCredential** that wraps a symmetric key.

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.

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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**.

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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.

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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:

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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

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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

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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.<238>

3.2.5.273.1 Field Values

3.2.5.273.1.1 Passed

Value: 0

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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 heath 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 a **SharePoint Add-in**.<239>

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.

3.2.5.275 Microsoft.SharePoint.Client.RenderListDataParameters

TypeId: {AE2D69B3-12FA-4ECB-BA76-BBA24D51E83D}

ShortName: SP.RenderListDataParameters

Specifies the parameters to be used to render list data as a **JSON** string.

3.2.5.275.1 Properties

3.2.5.275.1.1 Scalar Properties

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3.2.5.275.1.1.1 AddRequiredFields

Type: **CSOM Boolean**

Accessibility: Read/Write

This parameter indicates if we return required fields.

3.2.5.275.1.1.2 AllowMultipleValueFilterForTaxonomyFields

Type: **CSOM Boolean**

Accessibility: Read/Write

This parameter indicates whether multi value filtering is allowed for taxonomy fields.

3.2.5.275.1.1.3 DatesInUtc

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies if the DateTime field is returned in UTC or local time.

3.2.5.275.1.1.4 ExpandGroups

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether to expand the grouping or not.

3.2.5.275.1.1.5 FirstGroupOnly

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether to only return first group (regardless of view schema) or not.

3.2.5.275.1.1.6 FolderServerRelativeUrl

Type: **CSOM String**

Accessibility: Read/Write

Specifies the **server-relative URL** of a **list folder** from which to return items.

3.2.5.275.1.1.7 ImageFieldsToTryRewriteToCdnUrls

Type: **CSOM String**

Accessibility: Read/Write

This parameter indicates which fields to try and ReWrite to CDN Urls. The format of this parameter SHOULD be a comma seperated list of field names.

3.2.5.275.1.1.8 OverrideViewXml

Type: **CSOM String**

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Accessibility: Read/Write

Specified the override XML to be combined with the View CAML.

3.2.5.275.1.1.9 Paging

Type: **CSOM String**

Accessibility: Read/Write

Specifies the paging information.

3.2.5.275.1.1.10 RenderOptions

Type: Microsoft.SharePoint.Client.RenderListDataOptions

Accessibility: Read/Write

Specifies the type of output to return.

3.2.5.275.1.1.11 ReplaceGroup

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether to replace the grouping or not to deal with GroupBy throttling.

3.2.5.275.1.1.12 ViewXml

Type: **CSOM String**

Accessibility: Read/Write

Specifies the **CAML** view **XML**.

3.2.5.275.1.2 ObjectPath Properties

None.

3.2.5.276 Microsoft.SharePoint.Client.TenantAppUtility_manual

TypeId: {A7E15A67-957E-459b-8903-E1E42FA52AB1}

ShortName: SP.TenantAppUtility

3.2.5.276.1 Properties

3.2.5.276.1.1 Scalar Properties

None.

3.2.5.276.1.2 ObjectPath Properties

None

3.2.5.276.2 Methods

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3.2.5.276.2.1 Scalar Methods

None

3.2.5.276.2.2 ObjectPath Methods

3.2.5.276.2.2.1 GetTenantAppInformationCollection

This method is a **static CSOM method**.

Return Type: List<Microsoft.SharePoint.Client.TenantAppInformation>

Get a list of tenant app information.

Parameters:

web: The site where to get the tenant apps.

Type: Microsoft.SharePoint.Client.Web

lcid: The locale supported by the tenant apps.

Type: int

3.2.5.277 Microsoft.SharePoint.Client.TenantAppInformation_manual

TypeId: {52E6BC7D-825F-45B5-9F39-7A11723319DF}

ShortName: SP.TenantAppAppInformation

3.2.5.277.1 Properties

3.2.5.277.1.1 Scalar Properties

3.2.5.277.1.1.1 Id

Type: CSOM String

Accessibility: Read Only

The Id of an app.

3.2.5.277.1.1.2 CreationTime

Type: CSOM DateTime

Accessibility: Read Only

The creation time of an app.

3.2.5.277.1.1.3 LaunchUrl

Type: CSOM String

Accessibility: Read Only

The launch URL of an app.

3.2.5.277.1.1.4 RemoteAppUrl

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Type: **CSOM String**

Accessibility: Read Only

The URL of the remote host of an app.

3.2.5.277.1.1.5 AppPrincipalId

Type: **CSOM String**

Accessibility: Read Only

The OAuth Id of an app.

3.2.5.277.1.1.6 Status

Type: Microsoft.SharePoint.Client.AppInstanceStatus

Accessibility: Read Only

The status of the **app instance** as defined in section 3.2.5.238.

3.2.5.277.1.1.7 Title

Type: **CSOM String**

Accessibility: Read Only

The title of an app.

3.2.5.277.1.1.8 ProductId

Type: **CSOM GUID**

Accessibility: Read Only

The product Id of an app.

3.2.5.277.1.1.9 IconAbsoluteUrl

Type: **CSOM String**

Accessibility: Read Only

The absolute URL of an app's icon.

3.2.5.277.1.1.10 IconFallbackAbsoluteUrl

Type: **CSOM String**

Accessibility: Read Only

The absolute fallback URL of an app's icon.

3.2.5.277.1.1.11 AppWebFullUrl

Type: **CSOM String**

Accessibility: Read Only

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The full URL of an app's web.

3.2.5.277.1.1.12 PackageFingerprint

Type: **CSOM Stream**

Accessibility: Read Only

The fingerprint of an app's package.

3.2.5.277.1.2 ObjectPath Properties

None.

3.2.5.277.2 Methods

3.2.5.277.2.1 Scalar Methods

None.

3.2.5.277.2.2 ObjectPath Methods

None.

3.2.5.278 Microsoft.SharePoint.Client.AppTile

TypeId: {C84B5B09-0AB8-43F0-8A01-6A7A2EC4C7B9}

ShortName: SP.AppTile

Represents information about an app tile.

3.2.5.278.1 Properties

3.2.5.278.1.1 Scalar Properties

3.2.5.278.1.1.1 AppId

Type: **CSOM GUID**

Accessibility: Read Only

The Id of the app.

3.2.5.278.1.1.2 AppPrincipalId

Type: **CSOM String**

Accessibility: Read Only

The application principal identifier associated with this app. Defaults to empty string.

3.2.5.278.1.1.3 AppSource

Type: Microsoft.SharePoint.Administration.AppSource

Accessibility: Read Only

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The source of the app.

3.2.5.278.1.1.4 AppStatus

Type: Microsoft.SharePoint.Client.AppStatus

Accessibility: Read Only

Status of the app. Defaults to Installed.

3.2.5.278.1.1.5 AppType

Type: Microsoft.SharePoint.Client.AppType

Accessibility: Read Only

The type of the app represented by this app tile.

3.2.5.278.1.1.6 AssetId

Type: **CSOM String**

Accessibility: Read Only

An Id representing the underlying asset type and version, for example document library. This value is used by **GetAppProperties** (section 3.2.5.377.2.1.1).

3.2.5.278.1.1.7 BaseTemplate

Type: Microsoft.SharePoint.Client.ListTemplateType

Accessibility: Read Only

If the is DocLib or List, this will be the base template of the app, otherwise invalid.

3.2.5.278.1.1.8 ChildCount

Type: **CSOM Int32**

Accessibility: Read Only

The number of children contained in the app represented by this app tile, if applicable.

3.2.5.278.1.1.9 ContentMarket

Type: **CSOM String**

Accessibility: Read Only

The market from which the app was installed. Defaults to empty string.

3.2.5.278.1.1.10 CustomSettingsUrl

Type: **CSOM String**

Accessibility: Read Only

An app provided url for a custom settings page. Defaults to empty string.

3.2.5.278.1.1.11 Description

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Type: **CSOM String**

Accessibility: Read Only

An optional description of the app. Defaults to empty string.

3.2.5.278.1.1.12 IsCorporateCatalogSite

Type: **CSOM Boolean**

Accessibility: Read Only

Shows if current site is corporate catalog. Defaults to false.

3.2.5.278.1.1.13 LastModified

Type: **CSOM String**

Accessibility: Read Only

The date/time when the app this app tile represented was last changed, if applicable.

3.2.5.278.1.1.14 LastModifiedDate

Type: **CSOM DateTime**

Accessibility: Read Only

The date/time when the app represented by this app tile was last changed, if applicable. Defaults to DateTime.MinValue.

3.2.5.278.1.1.15 ProductId

Type: **CSOM GUID**

Accessibility: Read Only

The Id of the product associated with the app.

3.2.5.278.1.1.16 Target

Type: **CSOM String**

Accessibility: Read Only

The server address of the app this app tile represents.

3.2.5.278.1.1.17 Thumbnail

Type: **CSOM String**

Accessibility: Read Only

The server address of the thumbnail for the app tile.

3.2.5.278.1.1.18 Title

Type: **CSOM String**

Accessibility: Read Only

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The server address of the app this app tile represents.

3.2.5.278.1.1.19 Version

Type: **CSOM String**

Accessibility: Read Only

The version of the app. Defaults to empty string.

3.2.5.278.1.2 ObjectPath Properties

None.

3.2.5.278.2 Methods

3.2.5.278.2.1 Scalar Methods

None.

3.2.5.278.2.2 ObjectPath Methods

None.

3.2.5.279 Microsoft.SharePoint.Client.AppTileCollection

TypeId: {8DD21099-80DB-4719-B12A-555456F8930C}

ShortName: SP.AppTileCollection

Represents a collection of app tiles.

3.2.5.279.1 Properties

3.2.5.279.1.1 Scalar Properties

None.

3.2.5.279.1.2 ObjectPath Properties

None.

3.2.5.279.2 Methods

3.2.5.279.2.1 Scalar Methods

None.

3.2.5.279.2.2 ObjectPath Methods

None.

3.2.5.280 Microsoft.SharePoint.Client.AppType

ShortName: SP.AppType

Flag: false

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The type of app tile.

3.2.5.280.1 Field Values

3.2.5.280.1.1 Doclib

Value: 0

Represents information about a document library.

3.2.5.280.1.2 List

Value: 1

Represents information about a list.

3.2.5.280.1.3 Tenant

Value: 2

Represents information about a tenant-managed app.

3.2.5.280.1.4 Instance

Value: 3

Represents information about a web administrator-managed app.

3.2.5.280.1.5 Feature

Value: 4

Represents information about a feature that behaves like an app.

3.2.5.280.1.6 CommonList

Value: 5

Represents information about a list with a common base template, other than DocLib or GenericList.

3.2.5.281 Microsoft.SharePoint.Client.Audit

TypeId: {1307502C-2A94-4C1E-8BA6-30DA4B0391F1}

ShortName: SP.Audit

Enables auditing of how site collections, sites, lists, folders, and list items are accessed, changed, and used.

3.2.5.281.1 Properties

3.2.5.281.1.1 Scalar Properties

3.2.5.281.1.1.1 AuditFlags

Type: Microsoft.SharePoint.Client.AuditMaskType

Accessibility: Read/Write

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Gets or sets a value indicating what kinds of events and actions are audited specifically for this object.

3.2.5.281.1.2 ObjectPath Properties

None.

3.2.5.281.2 Methods

3.2.5.281.2.1 Scalar Methods

3.2.5.281.2.1.1 Update

Return Type: None

Updates the SharePoint database with changes to the Microsoft.SharePoint.SPAudit.AuditFlags property.

Parameters: None

3.2.5.281.2.2 ObjectPath Methods

None.

3.2.5.282 Microsoft.SharePoint.Client.AuditMaskType

ShortName: SP.AuditMaskType

Flag: false

Specifies what kind of actions and events are being audited for a particular site collection, site, list, folder, or list item object.

3.2.5.282.1 Field Values

3.2.5.282.1.1 None

Value: 0

No events or actions.

3.2.5.282.1.2 CheckOut

Value: 1

Check out of the object.

3.2.5.282.1.3 CheckIn

Value: 2

Check in of the object.

3.2.5.282.1.4 View

Value: 4

Viewing of the object by a user.

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3.2.5.282.1.5 ObjectDelete

Value: 8

Deletion of the object.

3.2.5.282.1.6 Update

Value: 16

Update of the object.

3.2.5.282.1.7 ProfileChange

Value: 32

Change of a profile.

3.2.5.282.1.8 ChildDelete

Value: 64

Deletion of one of the object's child objects.

3.2.5.282.1.9 SchemaChange

Value: 128

Change of the object's schema.

3.2.5.282.1.10 SecurityChange

Value: 256

Change in a security configuration for the object.

3.2.5.282.1.11 Undelete

Value: 512

Reversal of the deletion of the object.

3.2.5.282.1.12 Workflow

Value: 1024

Use of the object in a workflow task.

3.2.5.282.1.13 Copy

Value: 2048

Copying the object.

3.2.5.282.1.14 Move

Value: 4096

Move of the object.

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3.2.5.282.1.15 Search

Value: 8192

Search of the object.

3.2.5.282.1.16 All

Value: -1

All types of events and actions.

3.2.5.283 Microsoft.SharePoint.Client.CreatableItemInfo

TypeId: {E9797D9D-2304-4C12-BC6B-4A4E9D7A0EA6}

ShortName: SP.CreatableItemInfo

Information on a creatable item: what the item is and where to go to create it. Alternatively, the information provided here can be used to call **CreateDocument** (section 3.2.5.79.2.2.9) or **CreateDocumentAndGetEditLink** (section 3.2.5.79.2.1.13).

3.2.5.283.1 Properties

3.2.5.283.1.1 Scalar Properties

3.2.5.283.1.1.1 DocumentTemplate

Type: **CSOM Int32**

Accessibility: Read Only

The enumeration value of this item's type, corresponding to **DocumentTemplateType** (section 3.2.5.288)**.**

3.2.5.283.1.1.2 FileExtension

Type: **CSOM String**

Accessibility: Read Only

The file extension of the item to be created.

3.2.5.283.1.1.3 ItemType

Type: **CSOM String**

Accessibility: Read Only

The name of the item's type (e.g. Word or PowerPoint).

3.2.5.283.1.2 ObjectPath Properties

None.

3.2.5.284 Microsoft.SharePoint.Client.CreatableItemInfoCollection

TypeId: {9B16C27E-29B9-46DB-ACB0-9E36D3AB244A}

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ShortName: SP.CreatableItemInfoCollection

Represents a collection of **CreatableItemInfo** (section 3.2.5.283) objects.

3.2.5.284.1 Properties

3.2.5.284.1.1 Scalar Properties

None.

3.2.5.284.1.2 ObjectPath Properties

None.

3.2.5.285 Microsoft.SharePoint.Client.CreatablesInfo

TypeId: {9EC9B742-583B-4A15-B1E8-23C8E0D7B6DF}

ShortName: SP.CreatablesInfo

Returns an object that describes what this **list** can create, and a collection of links to visit in order to create those things. If it can't create certain things, it contains an error message describing why.

The consumer MUST append the encoded **URL** of the current page to the links returned here. (This page the link goes to needs it as a query parameter to function correctly.) The consumer SHOULD also consider appending &IsDlg=1 to the link, to remove the UI from the linked page, if desired.

3.2.5.285.1 Properties

3.2.5.285.1.1 Scalar Properties

3.2.5.285.1.1.1 CanCreateFolders

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates if the user is able to create folders in the current list. The user MUST have the appropriate permissions and the list MUST allow folder creation.

3.2.5.285.1.1.2 CanCreateItems

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether this list can create items (such as documents (Word/Excel/PowerPoint)) using Microsoft Office Online.

3.2.5.285.1.1.3 CanUploadFiles

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the user is able to upload files to this list.

3.2.5.285.1.1.4 CreatablesCollection

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Type: Microsoft.SharePoint.Client.CreatableItemInfoCollection

Accessibility: Read Only

Represents a collection of **CreatableItemInfo** (section 3.2.5.283) objects describing what can be created, one CreatableItemInfo for each creatable type.

3.2.5.285.1.2 ObjectPath Properties

None.

3.2.5.285.2 Methods

3.2.5.285.2.1 Scalar Methods

None.

3.2.5.285.2.2 ObjectPath Methods

None.

3.2.5.286 Microsoft.SharePoint.Client.DlpPolicyTip

TypeId: {4FC085D6-53CB-4668-BC9B-AE1E54209812}

ShortName: SP.DlpPolicyTip

Provides information about the Data Loss Protection policy on an item so it can be shown to the user.

3.2.5.286.1 Properties

3.2.5.286.1.1 Scalar Properties

3.2.5.286.1.1.1 AppliedActionsText

Type: **CSOM String**

Accessibility: Read Only

Specifies the text which states what restrictive actions have been applied to this item.

3.2.5.286.1.1.2 ComplianceUrl

Type: **CSOM String**

Accessibility: Read Only

Specifies the **URL** that provides additional help on the policy tip dialog.

3.2.5.286.1.1.3 GeneralText

Type: **CSOM String**

Accessibility: Read Only

General text that appears on the top of the policy tip dialog.

3.2.5.286.1.1.4 LastProcessedTime

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Type: **CSOM DateTime**

Accessibility: Read Only

The last time this item was processed for policy matches.

3.2.5.286.1.1.5 MatchedConditionDescriptions

Type: **CSOM array** of **CSOM String**

Accessibility: Read Only

An array that contains a description of each policy condition that has been matched.

3.2.5.286.1.1.6 OverrideOptions

Type: Microsoft.SharePoint.Client.RuleOverrideOptions

Accessibility: Read Only

The allowable options that someone can take to override policy matches.

3.2.5.286.1.1.7 TwoLetterISOLanguageName

Type: **CSOM String**

Accessibility: Read Only

The two-letter language code of the generated policy tip detail.

3.2.5.286.1.2 ObjectPath Properties

None.

3.2.5.286.2 Methods

3.2.5.286.2.1 Scalar Methods

None.

3.2.5.286.2.2 ObjectPath Methods

None.

3.2.5.287 Microsoft.SharePoint.Client.DocumentLibraryInformation

TypeId: {FB3DDD20-725D-4C42-8C72-34C5EFC2A0B4}

ShortName: SP.DocumentLibraryInformation

Specifies the information for a **document library** on a **site (2)**.

3.2.5.287.1 Properties

3.2.5.287.1.1 Scalar Properties

3.2.5.287.1.1.1 AbsoluteUrl

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Type: **CSOM String**

Accessibility: Read Only

Absolute Url of the document library.

3.2.5.287.1.1.2 Modified

Type: **CSOM DateTime**

Accessibility: Read Only

Identifies the modified date of the **document library**.

3.2.5.287.1.1.3 ModifiedFriendlyDisplay

Type: **CSOM String**

Accessibility: Read Only

Identifies a friendly display for the modified date of the **document library**.

3.2.5.287.1.1.4 ServerRelativeUrl

Type: **CSOM String**

Accessibility: Read Only

Identifies the **server-relative URL** of the **document library**.

3.2.5.287.1.1.5 Title

Type: **CSOM String**

Accessibility: Read Only

Identifies the title of the **document library**.

3.2.5.287.1.2 ObjectPath Properties

None.

3.2.5.288 Microsoft.SharePoint.Client.DocumentTemplateType

ShortName: SP.DocumentTemplateType

Flag: false

Specifies the type for the **document template (1)** for the new **list**.

3.2.5.288.1 Field Values

3.2.5.288.1.1 Invalid

Value: 0

Invalid **document template (1)**.

3.2.5.288.1.2 Word

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Value: 1

Word template.

3.2.5.288.1.3 Excel

Value: 2

Excel template.

3.2.5.288.1.4 PowerPoint

Value: 3

PowerPoint template.

3.2.5.288.1.5 OneNote

Value: 4

OneNote template.

3.2.5.288.1.6 ExcelForm

Value: 5

Excel-based form template.

3.2.5.288.1.7 Max

Value: 9

Maximum value to indicate a **document template (1)**.

3.2.5.288.1.8 Visio

Value: 8

Visio template.

3.2.5.289 Microsoft.SharePoint.Client.EffectiveInformationRightsManagementSettings

TypeId: {7763BD9A-B98E-491D-82A8-252CBF76C64E}

ShortName: SP.EffectiveInformationRightsManagementSettings

A collection of effective **IRM** settings on the file.

3.2.5.289.1 Properties

3.2.5.289.1.1 Scalar Properties

3.2.5.289.1.1.1 AllowPrint

Type: **CSOM Boolean**

Accessibility: Read Only

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Specifies whether a user can print the downloaded **document**.

3.2.5.289.1.1.2 AllowScript

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether a user can run a script on the downloaded **document**.

3.2.5.289.1.1.3 AllowWriteCopy

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether a user can write on a copy of the downloaded **document**.

3.2.5.289.1.1.4 DisableDocumentBrowserView

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether to block the **Office Add-in** from showing this **document**.

3.2.5.289.1.1.5 DocumentAccessExpireDays

Type: **CSOM Int32**

Accessibility: Read Only

Specifies the number of days after which the downloaded **document** will expire.

3.2.5.289.1.1.6 DocumentLibraryProtectionExpireDate

Type: **CSOM DateTime**

Accessibility: Read Only

Specifies the date on which the **Information Rights Management (IRM)** protection of this **document library** will stop.

3.2.5.289.1.1.7 EnableDocumentAccessExpire

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the downloaded **document** will expire.

3.2.5.289.1.1.8 EnableDocumentBrowserPublishingView

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether publishing view is enabled in the **Office Add-in**.

3.2.5.289.1.1.9 EnableGroupProtection

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Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the permission of the downloaded **document** is applicable to a **group**.

3.2.5.289.1.1.10 EnableLicenseCacheExpire

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether a user MUST verify his or her credentials after certain intervals.

3.2.5.289.1.1.11 GroupName

Type: **CSOM String**

Accessibility: Read Only

Specifies the **group** name (email address) that the permission is also applicable to.

3.2.5.289.1.1.12 IrmEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the **Information Rights Management (IRM)** is enabled.

3.2.5.289.1.1.13 LicenseCacheExpireDays

Type: **CSOM Int32**

Accessibility: Read Only

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.

3.2.5.289.1.1.14 PolicyDescription

Type: **CSOM String**

Accessibility: Read Only

Specifies the permission **policy** description.

3.2.5.289.1.1.15 PolicyTitle

Type: **CSOM String**

Accessibility: Read Only

Specifies the permission **policy** title.

3.2.5.289.1.1.16 SettingSource

Type: Microsoft.SharePoint.Client.SPEffectiveInformationRightsManagementSettingsSource

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Accessibility: Read Only

Specifies the source of the effective settings.

3.2.5.289.1.1.17 TemplateId

Type: **CSOM String**

Accessibility: Read Only

Gets the template ID of the RMS template that will be applied to the file/library.

3.2.5.289.1.2 ObjectPath Properties

None.

3.2.5.289.2 Methods

3.2.5.289.2.1 Scalar Methods

None.

3.2.5.289.2.2 ObjectPath Methods

None.

3.2.5.290 Microsoft.SharePoint.Client.FolderEntityData

TypeId: {0FFBD1DB-E28A-42AA-A6BA-CCF4F2626A6B}

ShortName: SP.FolderEntityData

Specifies the entity data for a **list folder**.

3.2.5.290.1 Properties

3.2.5.290.1.1 Scalar Properties

3.2.5.290.1.1.1 Overwrite

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether the **list folder** is overwritten.

It MUST NOT be NULL.

3.2.5.290.1.1.2 ServerRelativeUrl

Type: **CSOM String**

Accessibility: Read/Write

Specifies the **server-relative URL** of the **list folder**.

It MUST NOT be NULL.

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3.2.5.290.1.2 ObjectPath Properties

None.

3.2.5.291 Microsoft.SharePoint.Client.InformationRightsManagementFileSettings

TypeId: {F920FBE4-9C61-4E05-BB11-702126533CB4}

ShortName: SP.InformationRightsManagementFileSettings

Represents the **Information Rights Management (IRM)** settings of a file.

3.2.5.291.1 Properties

3.2.5.291.1.1 Scalar Properties

3.2.5.291.1.1.1 AllowPrint

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a value indicating whether or not the user can print the downloaded document.

True if print is allowed; otherwise, it is false. The default value is false.

3.2.5.291.1.1.2 AllowScript

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a value indicating whether or not the user can run a script on the downloaded document.

True if the script is allowed to run; otherwise, it is false. The default value is false.

3.2.5.291.1.1.3 AllowWriteCopy

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a value indicating whether or not the user can write on a copy of the downloaded document.

True if write on a copy is allowed; otherwise, it is false. The default value is false.

3.2.5.291.1.1.4 DisableDocumentBrowserView

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a value indicating whether or not to block Web Application Companion applications (WACs) from showing this document.

True if the WAC is blocked; otherwise, it is false. The default value is false.

3.2.5.291.1.1.5 DocumentAccessExpireDays

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Type: **CSOM Int32**

Accessibility: Read/Write

Gets or sets the number of days after which the downloaded document will expire.

Specifies the document access expire days between 1 and 365 if **IRM** and document access expire are both enabled; otherwise, it returns the default value.

3.2.5.291.1.1.6 EnableDocumentAccessExpire

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a value indicating whether or not the downloaded document will expire.

True if the downloaded document will expire; otherwise, it is false. The default value is false.

3.2.5.291.1.1.7 EnableDocumentBrowserPublishingView

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a value indicating whether or not to enable Web Application Companion applications (WACs) to publishing view.

True if the WAC publishing view is enabled; otherwise, it is false. The default value is false.

3.2.5.291.1.1.8 EnableGroupProtection

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a value indicating whether or not the permission of the downloaded document is applicable to a group.

True if the group protection is enabled; otherwise, it is false. The default value is false.

3.2.5.291.1.1.9 EnableLicenseCacheExpire

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a value indicating whether or not users verify their credentials after some intervals.

True if the license cache expire is enabled; otherwise, it is false. The default value is false.

3.2.5.291.1.1.10 GroupName

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the group name (email address) that the permission is also applicable to.

3.2.5.291.1.1.11 IrmEnabled

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Type: **CSOM Boolean**

Accessibility: Read/Write

Indicates whether the Information Rights Management is enabled or not.

3.2.5.291.1.1.12 LicenseCacheExpireDays

Type: **CSOM Int32**

Accessibility: Read/Write

Gets or sets the number of days that the application that opens the document caches the IRM license. When these elapse, the application will connect to the IRM server to validate the license.

3.2.5.291.1.1.13 PolicyDescription

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the permission policy description.

3.2.5.291.1.1.14 PolicyTitle

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the permission policy title.

3.2.5.291.1.1.15 TemplateId

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the ID of the RMS template that will be applied to the file or library.

3.2.5.291.1.2 ObjectPath Properties

None.

3.2.5.291.2 Methods

3.2.5.291.2.1 Scalar Methods

3.2.5.291.2.1.1 Reset

Return Type: None

Resets all properties to the default value.

Parameters: None

3.2.5.291.2.1.2 Update

Return Type: None

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Updates the document library with the changes made to the settings.

Parameters: None

3.2.5.291.2.2 ObjectPath Methods

None.

3.2.5.292 Microsoft.SharePoint.Client.IngestionTaskKey

TypeId: {3314041B-E208-4492-A0E9-A275FA3F6204}

ShortName: SP.IngestionTaskKey

Specifies key data for accessing an Azure Blob storage account and a status publishing account.

3.2.5.292.1 Properties

3.2.5.292.1.1 Scalar Properties

3.2.5.292.1.1.1 IngestionTableAccountKey

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the ingestion table account key.

3.2.5.292.1.1.2 IngestionTableAccountName

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the ingestion table account name.

3.2.5.292.1.1.3 JobId

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the job Id.

3.2.5.292.1.1.4 TaskId

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the task Id.

3.2.5.292.1.1.5 TenantName

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the tenant name.

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3.2.5.292.1.2 ObjectPath Properties

None.

3.2.5.293 Microsoft.SharePoint.Client.MigrationJobState

ShortName: SP.MigrationJobState

Flag: false

Enumeration containing possible migration job status values. It is used as a return type for the **GetMigrationJobStatus** (section 3.2.5.119.2.1.6) method. Note that there is currently no way to query the job status if it has already succeeded or failed and been removed from the queue, in which case a value of None (0) is returned, so the easiest way to determine the results of the migration job in that case is to look at the log output.

3.2.5.293.1 Field Values

3.2.5.293.1.1 None

Value: 0

The migration job is no longer in the queue.

3.2.5.293.1.2 Queued

Value: 2

The migration job is in the queue.

3.2.5.293.1.3 Processing

Value: 4

The migration job is being processed.

3.2.5.294 Microsoft.SharePoint.Client.MountedFolderInfo

TypeId: {5F2BBB09-0544-46D4-B398-33BD3962D5BF}

ShortName: SP.MountedFolderInfo

Provides read-only properties that describe a mounted folder.

3.2.5.294.1 Properties

3.2.5.294.1.1 Scalar Properties

3.2.5.294.1.1.1 FolderUrl

Type: **CSOM String**

Accessibility: Read Only

Gets the URL of the mounted folder.

3.2.5.294.1.1.2 HasEditPermission

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Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the current user has edit permission to the mounted folder.

3.2.5.294.1.1.3 ItemId

Type: **CSOM Int32**

Accessibility: Read Only

Gets the identifier of the mounted folder.

3.2.5.294.1.1.4 ListTemplateType

Type: Microsoft.SharePoint.Client.ListTemplateType

Accessibility: Read Only

Gets the template type of the list that contains the mounted folder.

3.2.5.294.1.1.5 ListViewUrl

Type: **CSOM String**

Accessibility: Read Only

Gets the view URL of the list that contains the mounted folder.

3.2.5.294.1.1.6 WebUrl

Type: **CSOM String**

Accessibility: Read Only

Gets the URL of the web that the mounted folder is in.

3.2.5.294.1.2 ObjectPath Properties

None.

3.2.5.294.2 Methods

3.2.5.294.2.1 Scalar Methods

None.

3.2.5.294.2.2 ObjectPath Methods

None.

3.2.5.295 Microsoft.SharePoint.Client.MountPoint

TypeId: {0489CFAD-CCD4-422D-9014-BE0F150E4389}

ShortName: SP.MountPoint

Provides client-callable methods for **mount point** operations.

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3.2.5.295.1 Properties

3.2.5.295.1.1 Scalar Properties

None.

3.2.5.295.1.2 ObjectPath Properties

None.

3.2.5.295.2 Methods

3.2.5.295.2.1 Scalar Methods

3.2.5.295.2.1.1 CreateMountPoint

This method is a **static CSOM method**.

Return Type: None

Creates a new **mount point**.

Parameters:

folder: The folder that will contain the new mount point.

Type: Microsoft.SharePoint.Client.Folder

If the *folder* parameter is null, the mount point will be created in the current user's Microsoft OneDrive root folder. Currently, only folders can be **mounted**.

name: The display name of the new mount point.

Type: **CSOM String**

targetSiteId: The site collection identifier of the item to be mounted.

Type: **CSOM GUID**

targetWebId: The web identifier of the item to be mounted.

Type: CSOM GUID

targetUniqueId: The unique identifier of the item to be mounted.

Type: CSOM GUID

3.2.5.295.2.1.2 GetMountedFolderUrls

This method is a **static CSOM method**.

Return Type: **CSOM array** of **CSOM String**

Gets an enumerable collection of **mounted** folder URLs of the **mount points** in a list.

Parameters:

list: List that contains the mount points.

Type: Microsoft.SharePoint.Client.List

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3.2.5.295.2.2 ObjectPath Methods

3.2.5.295.2.2.1 GetMountedFolderInfo

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.MountedFolderInfo

Gets information about a **mounted folder**.

Parameters:

targetSiteId: The site collection identifier of the folder to be **mounted**.

Type: **CSOM GUID**

targetWebId: The web identifier of the folder to be mounted.

Type: CSOM GUID

targetUniqueId: The unique identifier of the folder to be mounted.

Type: CSOM GUID

3.2.5.296 Microsoft.SharePoint.Client.MountPointInfo

TypeId: {30BC42FC-5AEB-4221-9BF1-6181619B9AA0}

ShortName: SP.MountPointInfo

Provides read-only properties that describe a **mount point**.

3.2.5.296.1 Properties

3.2.5.296.1.1 Scalar Properties

3.2.5.296.1.1.1 Name

Type: **CSOM String**

Accessibility: Read Only

Gets the name of the **mount point**.

3.2.5.296.1.1.2 RedirectUrl

Type: **CSOM String**

Accessibility: Read Only

Gets the URL that will redirect to the target **mounted folder**.

3.2.5.296.1.2 ObjectPath Properties

None.

3.2.5.296.2 Methods

3.2.5.296.2.1 Scalar Methods

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None.

3.2.5.296.2.2 ObjectPath Methods

None.

3.2.5.297 Microsoft.SharePoint.Client.MoveCopyUtil

TypeId: {C668C5CA-BBDD-435F-8008-502F3180CF20}

ShortName: SP.MoveCopyUtil

A container class for static move/copy methods.

3.2.5.297.1 Properties

3.2.5.297.1.1 Scalar Properties

None.

3.2.5.297.1.2 ObjectPath Properties

None.

3.2.5.297.2 Methods

3.2.5.297.2.1 Scalar Methods

3.2.5.297.2.1.1 CopyFile

This method is a **static CSOM method**.

Return Type: None

Copies a file from the source location to the destination location.

Parameters:

srcUrl: A full URL that specifies the source file.

Type: **CSOM String**

It MUST NOT be NULL. It MUST be a URL of absolute form.

destUrl: A full URL that specifies the destination file.

Type: CSOM String

It MUST NOT be NULL. It MUST be a URL of absolute form.

overwrite: Overwrites the destination file when it exists.

Type: **CSOM Boolean**

options: Contains options used to modify the behavior.

Type: Microsoft.SharePoint.Client.MoveCopyOptions

Exceptions:

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Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPFileCheckOutException	The srcFile cannot be checked out.
-1	Microsoft.SharePoint.SPFileLockException	The srcFile cannot be locked.
-2147467261	System.ArgumentNullException	1) srcUrl MUST NOT be null or empty.2) destUrl MUST NOT be null or empty.
-2146233086	System.ArgumentOutOfRangeException	The srcUrl is not contained in a site.
-1	System.InvalidOperationException	srcUrl and destUrl MUST NOT be the same.
-2147024894	System.IO.FileNotFoundException	The file at the srcUrl MUST exist.
-1	System.IO.IOException	The file at the destUrl MUST NOT exist.

3.2.5.297.2.1.2 CopyFileByPath

This method is a **static CSOM method**.

Return Type: None

Copies a file from the source location to the destination location

Parameters:

srcPath: A full URL that specifies the source file.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

destPath: A full URL that specifies the destination file.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

overwrite: Overwrites the destination file when it exists.

Type: **CSOM Boolean**

options: Contains options used to modify the behavior.

Type: Microsoft.SharePoint.Client.MoveCopyOptions

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPFileCheckOutException	The srcFile can not be checked out.
-1	Microsoft.SharePoint.SPFileLockException	The srcFile can not be locked.
-2147467261	System.ArgumentNullException	1) srcPath MUST NOT be null or empty.2) destPath MUST NOT be null or empty.

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Error Code	Error Type Name	Condition
-2146233086	System.ArgumentOutOfRangeException	The srcPath is not contained in a site.
-1	System.InvalidOperationException	srcUrl and destPath MUST NOT be the same.
-2147024894	System.IO.FileNotFoundException	The file at the srcPath MUST exist.
-1	System.IO.IOException	The file at the destPath MUST NOT exist.

3.2.5.297.2.1.3 CopyFolder

This method is a **static CSOM method**.

Return Type: None

Copies a folder from a source URL to a destination URL.

Parameters:

srcUrl: A full URL that represents the source folder.

Type: **CSOM String**

It MUST NOT be NULL. It MUST be a URL of absolute form.

destUrl: A full URL that represents the destination folder.

Type: CSOM String

It MUST NOT be NULL. It MUST be a URL of absolute form.

options: Contains options used to modify the behavior.

Type: Microsoft.SharePoint.Client.MoveCopyOptions

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPFileCheckOutException	The srcFile cannot be checked out.
-1	Microsoft.SharePoint.SPFileLockException	The srcFile cannot be locked.
-2147467261	System.ArgumentNullException	1) srcUrl MUST NOT be null or empty.2) destUrl MUST NOT be null or empty.
-2146233086	System.ArgumentOutOfRangeException	The srcUrl is not contained in a site.
-1	System.InvalidOperationException	srcUrl and destUrl MUST NOT be the same.
-2147024894	System.IO.FileNotFoundException	The file at the srcUrl MUST exist.
-1	System.IO.IOException	The file at the destUrl MUST NOT exist.

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3.2.5.297.2.1.4 CopyFolderByPath

This method is a **static CSOM method**.

Return Type: None

Copies a folder from a source URL to a destination URL.

Parameters:

srcPath: A full URL path that represents the source folder.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

destPath: A full URL path that represents the destination folder.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

options: Contains options used to modify the behavior.

Type: Microsoft.SharePoint.Client.MoveCopyOptions

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPFileCheckOutException	The srcFile can not be checked out.
-1	Microsoft.SharePoint.SPFileLockException	The srcFile can not be locked.
-2147467261	System.ArgumentNullException	1) srcPath MUST NOT be null or empty.2) destPath MUST NOT be null or empty.
-2146233086	System.ArgumentOutOfRangeException	The srcPath is not contained in a site.
-1	System.InvalidOperationException	srcUrl and destPath MUST NOT be the same.
-2147024894	System.IO.FileNotFoundException	The file at the srcPath MUST exist.
-1	System.IO.IOException	The file at the destPath MUST NOT exist.

3.2.5.297.2.1.5 MoveFile

This method is a **static CSOM method**.

Return Type: None

Moves a file from the source location to the destination location.

Parameters:

srcUrl: A full URL that specifies the source file.

Type: **CSOM String**

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It MUST NOT be NULL. It MUST be a URL of absolute form.

destUrl: A full URL that specifies the destination file.

Type: CSOM String

It MUST NOT be NULL. It MUST be a URL of absolute form.

overwrite: Overwrites the destination file when it exists.

Type: **CSOM Boolean**

options: Contains options used to modify the behavior.

Type: Microsoft.SharePoint.Client.MoveCopyOptions

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPFileCheckOutException	The srcFile cannot be checked out.
-1	Microsoft.SharePoint.SPFileLockException	The srcFile cannot be locked.
-2147467261	System.ArgumentNullException	1) srcUrl MUST NOT be null or empty.2) destUrl MUST NOT be null or empty.
-2146233086	System.ArgumentOutOfRangeException	The srcUrl is not contained in a site.
-1	System.InvalidOperationException	srcUrl and destUrl MUST NOT be the same.
-2147024894	System.IO.FileNotFoundException	The file at the srcUrl MUST exist.
-1	System.IO.IOException	The file at the destUrl MUST NOT exist.

3.2.5.297.2.1.6 MoveFileByPath

This method is a **static CSOM method**.

Return Type: None

Moves a file from the source location to the destination location.

Parameters:

srcPath: A full URL path that specifies the source file.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

destPath: A full URL path that specifies the destination file.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

overwrite: A Boolean value that specify whether to overwrite the destination file when it exists.

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Type: **CSOM Boolean**

options: Contains options used to modify the behavior.

Type: Microsoft.SharePoint.Client.MoveCopyOptions

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPFileCheckOutException	The srcFile can not be checked out.
-1	Microsoft.SharePoint.SPFileLockException	The srcFile can not be locked.
-2147467261	System.ArgumentNullException	1) srcPath MUST NOT be null or empty.2) destPath MUST NOT be null or empty.
-2146233086	System.ArgumentOutOfRangeException	The srcPath is not contained in a site.
-1	System.InvalidOperationException	srcUrl and destPath MUST NOT be the same.
-2147024894	System.IO.FileNotFoundException	The file at the srcPath MUST exist.
-1	System.IO.IOException	The file at the destPath MUST NOT exist.

3.2.5.297.2.1.7 MoveFolder

This method is a **static CSOM method**.

Return Type: None

Moves a folder from a source URL to a destination URL.

Parameters:

srcUrl: A full URL that represents the source folder.

Type: **CSOM String**

It MUST NOT be NULL. It MUST be a URL of absolute form.

destUrl: A full URL that represents the destination folder.

Type: CSOM String

It MUST NOT be NULL. It MUST be a URL of absolute form.

options: Contains options used to modify the behavior.

Type: Microsoft.SharePoint.Client.MoveCopyOptions

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPFileCheckOutException	The srcFile cannot be checked out.
-1	Microsoft.SharePoint.SPFileLockException	The srcFile cannot be locked.

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Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	1) srcUrl MUST NOT be null or empty.2) destUrl MUST NOT be null or empty.
-2146233086	System.ArgumentOutOfRangeException	The srcUrl is not contained in a site.
-1	System.InvalidOperationException	srcUrl and destUrl MUST NOT be the same.
-2147024894	System.IO.FileNotFoundException	The file at the srcUrl MUST exist.
-1	System.IO.IOException	The file at the destUrl MUST NOT exist.

3.2.5.297.2.1.8 MoveFolderByPath

This method is a **static CSOM method**.

Return Type: None

Moves a folder from a source URL to a destination URL.

Parameters:

srcPath: A full URL path that represents the source folder.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

destPath: A full URL path that represents the destination folder.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

options: Contains options used to modify the behavior.

Type: Microsoft.SharePoint.Client.MoveCopyOptions

Exceptions:

Error Code	Error Type Name	Condition
-1	Microsoft.SharePoint.SPFileCheckOutException	The srcFile can not be checked out.
-1	Microsoft.SharePoint.SPFileLockException	The srcFile can not be locked.
-2147467261	System.ArgumentNullException	1) srcPath MUST NOT be null or empty.2) destPath MUST NOT be null or empty.
-2146233086	System.ArgumentOutOfRangeException	The srcPath is not contained in a site.
-1	System.InvalidOperationException	srcUrl and destPath MUST NOT be the same.
-2147024894	System.IO.FileNotFoundException	The file at the srcPath MUST exist.

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Error Code	Error Type Name	Condition
-1	System.IO.IOException	The file at the destPath MUST NOT exist.

3.2.5.297.2.2 ObjectPath Methods

None.

3.2.5.298 Microsoft.SharePoint.Client.OAuth.NativeClient

TypeId: {5B5B3A87-6976-4485-96A7-55A324AF6CE0}

ShortName: SP.OAuth.NativeClient

Gets endpoints for native client authentication relative to current request.

3.2.5.298.1 Properties

3.2.5.298.1.1 Scalar Properties

None.

3.2.5.298.1.2 ObjectPath Properties

None.

3.2.5.298.2 Methods

3.2.5.298.2.1 Scalar Methods

3.2.5.298.2.1.1 Authenticate

Return Type: None

Authentication module to handle MicrosoftOnlineCredentials.

Parameters: None

3.2.5.298.2.2 ObjectPath Methods

3.2.5.298.2.2.1 CSOM Constructor

Creates an instance of type **NativeClient** (section 3.2.5.298).

Parameters: None

3.2.5.299 Microsoft.SharePoint.Client.ObjectSharingInformationUserCollection

TypeId: {1ECA4555-5715-4122-9C3D-0AB651518BC1}

ShortName: SP.ObjectSharingInformationUserCollection

This class contains a collection of shared with users.

3.2.5.299.1 Properties

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3.2.5.299.1.1 Scalar Properties

None.

3.2.5.299.1.2 ObjectPath Properties

None.

3.2.5.299.2 Methods

3.2.5.299.2.1 Scalar Methods

None.

3.2.5.299.2.2 ObjectPath Methods

None.

3.2.5.300 Microsoft.SharePoint.Client.ObjectSharingSettings

TypeId: {9CA08AFE-29FA-4FAF-86AF-5BCB06E41969}

ShortName: SP.ObjectSharingSettings

This class contains the information necessary to read and change the sharing status of a SharePoint object. It also contains a reference to SharePoint specific settings denoted by "SharePointSettings".

3.2.5.300.1 Properties

3.2.5.300.1.1 Scalar Properties

3.2.5.300.1.1.1 AccessRequestMode

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean indicating whether the sharing context operates under the access request mode.

3.2.5.300.1.1.2 BlockPeoplePickerAndSharing

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean indicating whether the current user can use the People Picker to do any sharing.

3.2.5.300.1.1.3 CanCurrentUserManageOrganizationReadonlyLink

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean indicating whether the current user can create or disable an organization View link.

3.2.5.300.1.1.4 CanCurrentUserManageOrganizationReadWriteLink

Type: **CSOM Boolean**

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Accessibility: Read Only

Boolean indicating whether the current user can create or disable an organization Edit link.

3.2.5.300.1.1.5 CanCurrentUserManageReadonlyLink

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean indicating whether the current user can create or disable an anonymous View link.

3.2.5.300.1.1.6 CanCurrentUserManageReadWriteLink

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean indicating whether the current user can create or disable an anonymous Edit link.

3.2.5.300.1.1.7 CanCurrentUserRetrieveOrganizationReadonlyLink

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean indicating whether the current user can retrieve an organization View link, if one has already been created.

If one has not been created, the user cannot create one

3.2.5.300.1.1.8 CanCurrentUserRetrieveOrganizationReadWriteLink

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean indicating whether the current user can retrieve an organization Edit link, if one has already been created.

If one has not been created, the user cannot create one.

3.2.5.300.1.1.9 CanCurrentUserRetrieveReadonlyLink

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean indicating whether the current user can retrieve an anonymous View link, if one has already been created.

If one has not been created, the user cannot create one.

3.2.5.300.1.1.10 CanCurrentUserRetrieveReadWriteLink

Type: **CSOM Boolean**

Accessibility: Read Only

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Boolean indicating whether the current user can retrieve an anonymous Edit link, if one has already been created.

If one has not been created, the user cannot create one.

3.2.5.300.1.1.11 CanCurrentUserShareExternally

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean indicating whether the current user can share outside the tenancy, by inviting external users.

3.2.5.300.1.1.12 CanCurrentUserShareInternally

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean indicating whether the current user can only share within the tenancy

3.2.5.300.1.1.13 CanSendEmail

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean indicating whether email invitations can be sent.

3.2.5.300.1.1.14 CanSendLink

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean indicating whether the current user can make use of Share-By-Link.

3.2.5.300.1.1.15 CanShareFolder

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean indicating whether the folder object can be shared.

3.2.5.300.1.1.16 DefaultShareLinkPermission

Type: Microsoft.SharePoint.Client.Sharing.Role

Accessibility: Read Only

Default **tokenized sharing link** permission returned as Role.

3.2.5.300.1.1.17 DefaultShareLinkType

Type: Microsoft.SharePoint.Client.SharingLinkKind

Accessibility: Read Only

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Default **tokenized sharing link** type returned as SharingLinkKind.

3.2.5.300.1.1.18 GroupsList

Type: **CSOM dictionary**

Accessibility: Read Only

A **dictionary** object that lists the display name and the id of the SharePoint groups.

3.2.5.300.1.1.19 HasEditRole

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean that indicates whether or not the site has the standard "**Editor**" role.

3.2.5.300.1.1.20 HasReadRole

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean that indicates whether or not the site has the standard "Reader" role.

3.2.5.300.1.1.21 InheritingWebLink

Type: **CSOM String**

Accessibility: Read Only

The **URL** of the site from which the shared object inherits **permissions**.

3.2.5.300.1.1.22 IsGuestUser

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean that indicates whether or not the current user is a guest user.

3.2.5.300.1.1.23 IsPictureLibrary

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean that indicates whether or not the object to share is a **picture library**.

3.2.5.300.1.1.24 IsUserSiteAdmin

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean that indicates whether or not the current user is a **site collection administrator**.

3.2.5.300.1.1.25 ItemId

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Type: **CSOM String**

Accessibility: Read Only

The list item ID (if applicable).

3.2.5.300.1.1.26 ItemName

Type: **CSOM String**

Accessibility: Read Only

The object title.

3.2.5.300.1.1.27 ItemUrl

Type: **CSOM String**

Accessibility: Read Only

The server relative object **URL**.

3.2.5.300.1.1.28 ListId

Type: **CSOM GUID**

Accessibility: Read Only

The unique ID of the **parent list** (if applicable).

3.2.5.300.1.1.29 PermissionsOnlyMode

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean that indicates whether or not the sharing context operates under the **permissions** only mode (that is, adding to a group or hiding the groups drop-down in the SharePoint UI).

3.2.5.300.1.1.30 RequiredAnonymousLinkExpirationInDays

Type: **CSOM Int32**

Accessibility: Read Only

A value that indicates number of days an anonymous **tokenized sharing link** can be valid before it expires.

3.2.5.300.1.1.31 Roles

Type: **CSOM dictionary**

Accessibility: Read Only

A dictionary object that lists the display name and the id of the SharePoint regular roles.

3.2.5.300.1.1.32 ShareByEmailEnabled

Type: **CSOM Boolean**

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Accessibility: Read Only

Boolean flag denoting if guest users are enabled for the **site collection**.

3.2.5.300.1.1.33 ShowExternalSharingWarning

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean that indicates whether or not the client logic SHOULD warn the user that they are about to share with external email addresses.

3.2.5.300.1.1.34 SimplifiedRoles

Type: **CSOM dictionary**

Accessibility: Read Only

A **dictionary** object that lists the display name and the id of the SharePoint simplified roles (edit, view).

3.2.5.300.1.1.35 SupportsAclPropagation

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean that indicates whether or not the object to share supports **ACL** propagation.

3.2.5.300.1.1.36 WebUrl

Type: **CSOM String**

Accessibility: Read Only

The **URL** pointing to the containing SP.Web object.

3.2.5.300.1.2 ObjectPath Properties

3.2.5.300.1.2.1 ObjectSharingInformation

Type: Microsoft.SharePoint.Client.ObjectSharingInformation

Accessibility: Read Only

Contains information about the sharing state of a shareable object.

3.2.5.300.1.2.2 SharePointSettings

Type: Microsoft.SharePoint.Client.SharePointSharingSettings

Accessibility: Read Only

An object that contains the SharePoint UI specific sharing settings.

3.2.5.300.1.2.3 SharingPermissions

Type: Microsoft.SharePoint.Client.SharingPermissionInformationCollection

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Accessibility: Read Only

A list of SharingPermissionInformation objects that can be used to share.

3.2.5.300.2 Methods

3.2.5.300.2.1 Scalar Methods

None.

3.2.5.300.2.2 ObjectPath Methods

None.

3.2.5.301 Microsoft.SharePoint.Client.PickerSettings

TypeId: {8D31357D-328A-45CC-A5AB-B15C9C83EB71}

ShortName: SP.PickerSettings

This class contains configuration settings for the client people picker control hosted by the SharePoint sharing UI.

3.2.5.301.1 Properties

3.2.5.301.1.1 Scalar Properties

3.2.5.301.1.1.1 AllowEmailAddresses

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean value indicating whether the picker control will allow the resolution of arbitrary email addresses.

3.2.5.301.1.1.2 AllowOnlyEmailAddresses

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean value indicating whether the picker control will only allow the resolution of email addresses.

This property is used only when **AllowEmailAddresses** (section 3.2.5.301.1.1.1) is set to True. Otherwise, it is ignored.

3.2.5.301.1.1.3 PrincipalAccountType

Type: **CSOM String**

Accessibility: Read Only

The account types that the picker control can query.

3.2.5.301.1.1.4 PrincipalSource

Type: Microsoft.SharePoint.Client.Utilities.PrincipalSource

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Accessibility: Read Only

An enumeration object that specifies the principal source for the people picker control.

3.2.5.301.1.1.5 QuerySettings

Type: Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.PeoplePickerQuerySettings

Accessibility: Read Only

The query settings to be used by the picker control.

3.2.5.301.1.1.6 VisibleSuggestions

Type: **CSOM Int32**

Accessibility: Read Only

Number indicating the number of visible suggestions in the picker dropdown for possible entities.

3.2.5.301.1.2 ObjectPath Properties

None.

3.2.5.301.2 Methods

3.2.5.301.2.1 Scalar Methods

None.

3.2.5.301.2.2 ObjectPath Methods

None.

3.2.5.302 Microsoft.SharePoint.Client.PolicyTipUserAction

ShortName: SP.PolicyTipUserAction

Flag: false

Specifies the user action to take in response to a **policy tip**.

3.2.5.302.1 Field Values

3.2.5.302.1.1 Override

Value: 0

Override the applied action.

3.2.5.302.1.2 ReportFalsePositive

Value: 1

Report false positive.

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3.2.5.303 Microsoft.SharePoint.Client.PolicyTipUserActionResult

ShortName: SP.PolicyTipUserActionResult

Flag: false

The result from reporting or overriding a **policy tip**.

3.2.5.303.1 Field Values

3.2.5.303.1.1 None

Value: 0

No action was taken on the item. This happens if the item doesn't actually have a matching policy rule.

3.2.5.303.1.2 FalsePositiveReported

Value: 1

A false positive was reported for this item.

3.2.5.303.1.3 Overridden

Value: 2

The matching policy rule was overridden.

3.2.5.303.1.4 FalsePositiveReportedAndOverridden

Value: 3

A false positive was reported for this item, which resulted in the matching policy rule to be overridden.

3.2.5.304 Microsoft.SharePoint.Client.RemoteWeb

TypeId: {E31F488B-8615-4434-87A8-381B3AF1EE3B}

ShortName: SP.RemoteWeb

Specifies a remote web that might be on a different domain.

3.2.5.304.1 Properties

3.2.5.304.1.1 Scalar Properties

3.2.5.304.1.1.1 CanSendEmail

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether an e-mail server has been set for the **site (2)** this web is in.

3.2.5.304.1.1.2 ShareByEmailEnabled

Type: **CSOM Boolean**

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Accessibility: Read Only

Indicates whether users will be able to grant permissions to guests for resources within the web's parent **site collection**.

3.2.5.304.1.1.3 ShareByLinkEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether users will be able to share links to **documents** that can be accessed without logging in.

3.2.5.304.1.2 ObjectPath Properties

3.2.5.304.1.2.1 Web

Type: Microsoft.SharePoint.Client.Web

Accessibility: Read Only

Gets the SP.Web.

3.2.5.304.2 Methods

3.2.5.304.2.1 Scalar Methods

None.

3.2.5.304.2.2 ObjectPath Methods

3.2.5.304.2.2.1 CSOM Constructor

Creates an instance of type **RemoteWeb** (section 3.2.5.304).

Parameters:

requestUrl: A string that contains the URL for the web.

Type: **CSOM String**

3.2.5.304.2.2.2 GetFileByServerRelativePath

Return Type: Microsoft.SharePoint.Client.File

Returns the file object located at the specified path.

Parameters:

serverRelatvieFilePath: Contains the server-relative path of the file.

Type: Microsoft.SharePoint.Client.ResourcePath

3.2.5.304.2.2.3 GetFileByServerRelativeUrl

Return Type: Microsoft.SharePoint.Client.File

Returns the file object located at the specified URL.

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Parameters:

serverRelativeFileUrl: A string that contains the URL for the file.

Type: **CSOM String**

3.2.5.304.2.2.4 GetFileByUrl

Return Type: Microsoft.SharePoint.Client.File

Returns the file object from the **URL** returned by SPFile.GetWOPIFrameUrl(), SPFile.ShareByLink() or SPFile.LinkingUrl. Caller does not need to know the type of the URL provided.

Parameters:

fileUrl: A string that contains the URL for the file.

Type: **CSOM String**

3.2.5.304.2.2.5 GetFolderByServerRelativeUrl

Return Type: Microsoft.SharePoint.Client.Folder

Returns the folder object that is located at the specified URL.

Parameters:

serverRelativeUrl: A string that contains the URL for the folder.

Type: **CSOM String**

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147024894	System.IO.FileNotFoundException	*serverRelativeUrl* doesn't correspond to a folder.

3.2.5.304.2.2.6 GetGroupById

Return Type: Microsoft.SharePoint.Client.Group

Returns the SharePoint group indicated by the specified Id.

Parameters:

groupId: The identifier of the SharePoint group to be retrieved.

Type: **CSOM Int32**

Exceptions:

Error Code	Error Type Name	Condition
-2146233086	System.ArgumentOutOfRangeException	The specified *groupId* value does not match a valid SharePoint Group object.

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3.2.5.304.2.2.7 GetListById

Return Type: Microsoft.SharePoint.Client.List

Returns the list indicated by the specified Id.

Parameters:

listGuid: The Id of the list to be retrieved.

Type: **CSOM GUID**

3.2.5.304.2.2.8 GetListByServerRelativeUrl

Return Type: Microsoft.SharePoint.Client.List

Returns the list that is associated with the specified server-relative URL.

Parameters:

serverRelativeUrl: A string that contains the site-relative URL for a list.

Type: **CSOM String**

3.2.5.305 Microsoft.SharePoint.Client.RenderListContextMenuDataParameters

TypeId: {775A72C4-6D8F-457F-AD76-D2779CA29921}

ShortName: SP.RenderListContextMenuDataParameters

Specifies the parameters that are used for a list menu item.

3.2.5.305.1 Properties

3.2.5.305.1.1 Scalar Properties

3.2.5.305.1.1.1 CascDelWarnMessage

Type: CSOM String

Accessibility: Read/Write

The message that SHOULD be displayed if there is a cascade deletion warning.

3.2.5.305.1.1.2 CustomAction

Type: CSOM String

Accessibility: Read/Write

Specifies a **user custom action**.

3.2.5.305.1.1.3 Field

Type: CSOM String

Accessibility: Read/Write

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Specifies a special field that SHOULD be included.

3.2.5.305.1.1.4 ID

Type: **CSOM String**

Accessibility: Read/Write

The id of the list item whose menu information is being sought.

3.2.5.305.1.1.5 InplaceFullListSearch

Type: **CSOM String**

Accessibility: Read/Write

Specifies whether there is a full list search. "true" if there is a full list search; "false" otherwise.

3.2.5.305.1.1.6 InplaceSearchQuery

Type: **CSOM String**

Accessibility: Read/Write

Search term for a full list search.

3.2.5.305.1.1.7 IsCSR

Type: **CSOM String**

Accessibility: Read/Write

Specifies whether this view is a client side rendered view.

3.2.5.305.1.1.8 IsXslView

Type: **CSOM String**

Accessibility: Read/Write

Specifies whether this view is an Xsl view.

3.2.5.305.1.1.9 ItemId

Type: **CSOM String**

Accessibility: Read/Write

The list item id of the item whose menu information is being sought.

3.2.5.305.1.1.10 ListViewPageUrl

Type: **CSOM String**

Accessibility: Read/Write

The URL of the view that is being displayed.

3.2.5.305.1.1.11 OverrideScope

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Type: CSOM String

Accessibility: Read/Write

Used to override a scope on the rendered view: SPView.Scope.

3.2.5.305.1.1.12 RootFolder

Type: CSOM String

Accessibility: Read/Write

The folder that the view is displaying.

3.2.5.305.1.1.13 View

Type: CSOM String

Accessibility: Read/Write

The view identifier Guid of the current view.

3.2.5.305.1.1.14 ViewCount

Type: CSOM String

Accessibility: Read/Write

When multiple views are on a page, this identifies one of them.

3.2.5.305.1.2 ObjectPath Properties

None.

3.2.5.306 Microsoft.SharePoint.Client.RenderListDataOptions

ShortName: SP.RenderListDataOptions

Flag: true

The type of data to return when rendering a list view as **JSON**.

3.2.5.306.1 Field Values

3.2.5.306.1.1 None

Value: 0

Default render type.

3.2.5.306.1.2 ContextInfo

Value: 1

Returns the list data context information.

3.2.5.306.1.3 ListData

Value: 2

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Returns the list data.

3.2.5.306.1.4 ListSchema

Value: 4

Returns the list schema.

3.2.5.306.1.5 MenuView

Value: 8

Returns the menu view of the list.

3.2.5.306.1.6 ListContentType

Value: 16

Returns the **list content type**.

3.2.5.306.1.7 FileSystemItemId

Value: 32

The returned list will have a FileSystemItemId field on each item if possible.

3.2.5.306.1.8 ClientFormSchema

Value: 64

Returns the client form schema to add and edit items.

3.2.5.306.1.9 QuickLaunch

Value: 128

Returns QuickLaunch navigation nodes.

3.2.5.306.1.10 Spotlight

Value: 256

Returns Spotlight rendering information

3.2.5.306.1.11 Visualization

Value: 512

Returns Visualization rendering information.

3.2.5.306.1.12 ViewMetadata

Value: 1024

Returns view XML and other information about the current view.

3.2.5.306.1.13 DisableAutoHyperlink

Value: 2048

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Prevents AutoHyperlink from being run on text fields in this query.

3.2.5.306.1.14 EnableMediaTAUrls

Value: 4096

Enables urls pointing to Media TA service, such as .thumbnailUrl, .videoManifestUrl, .pdfConversionUrls.

3.2.5.306.1.15 ParentInfo

Value: 8192

Return Parant folder information.

3.2.5.306.1.16 PageContextInfo

Value: 16384

Return Page context info for the current list being rendered.

3.2.5.306.1.17 ClientSideComponentManifest

Value: 32768

Return client-side component manifest information associated with the list.

3.2.5.307 Microsoft.SharePoint.Client.RenderListDataOverrideParameters

TypeId: {AD0885E6-0F16-4694-9397-058C65376FB7}

ShortName: SP.RenderListDataOverrideParameters

The parameters that are used to override and extend the regular SP.RenderListDataParameters.

3.2.5.307.1 Properties

3.2.5.307.1.1 Scalar Properties

3.2.5.307.1.1.1 CascDelWarnMessage

Type: **CSOM String**

Accessibility: Read/Write

The message that SHOULD be displayed if there is a cascade deletion warning.

3.2.5.307.1.1.2 CustomAction

Type: **CSOM String**

Accessibility: Read/Write

Specifies a **user custom action**.

3.2.5.307.1.1.3 DrillDown

Type: **CSOM String**

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Accessibility: Read/Write

Specifies that some groups in a grouped view are expanded. Used with **GroupString** (section 3.2.5.307.1.1.84).

3.2.5.307.1.1.4 Field

Type: **CSOM String**

Accessibility: Read/Write

Specifies a special **field (2)** that SHOULD be included.

3.2.5.307.1.1.5 FieldInternalName

Type: **CSOM String**

Accessibility: Read/Write

Used to identify a field when a list has an external data source. Also used when filtering on a custom field.

3.2.5.307.1.1.6 Filter

Type: **CSOM String**

Accessibility: Read/Write

Specifies whether the requested view has a filter applied.

3.2.5.307.1.1.7 FilterData

Type: **CSOM String**

Accessibility: Read/Write

Data specified by a particular filter.

3.2.5.307.1.1.8 FilterData1

Type: **CSOM String**

Accessibility: Read/Write

Data specified by a particular filter.

3.2.5.307.1.1.9 FilterData10

Type: **CSOM String**

Accessibility: Read/Write

Data specified by a particular filter.

3.2.5.307.1.1.10 FilterData2

Type: **CSOM String**

Accessibility: Read/Write

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Data specified by a particular filter.

3.2.5.307.1.1.11 FilterData3

Type: **CSOM String**

Accessibility: Read/Write

Data specified by a particular filter.

3.2.5.307.1.1.12 FilterData4

Type: **CSOM String**

Accessibility: Read/Write

Data specified by a particular filter.

3.2.5.307.1.1.13 FilterData5

Type: **CSOM String**

Accessibility: Read/Write

Data specified by a particular filter.

3.2.5.307.1.1.14 FilterData6

Type: **CSOM String**

Accessibility: Read/Write

Data specified by a particular filter.

3.2.5.307.1.1.15 FilterData7

Type: **CSOM String**

Accessibility: Read/Write

Data specified by a particular filter.

3.2.5.307.1.1.16 FilterData8

Type: **CSOM String**

Accessibility: Read/Write

Data specified by a particular filter.

3.2.5.307.1.1.17 FilterData9

Type: **CSOM String**

Accessibility: Read/Write

Data specified by a particular filter.

3.2.5.307.1.1.18 FilterField

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Type: CSOM String

Accessibility: Read/Write

A filter field name for a specific filter that is applied to the view.

3.2.5.307.1.1.19 FilterField1

Type: CSOM String

Accessibility: Read/Write

A filter field name for a specific filter that is applied to the view.

3.2.5.307.1.1.20 FilterField10

Type: CSOM String

Accessibility: Read/Write

A filter field name for a specific filter that is applied to the view.

3.2.5.307.1.1.21 FilterField2

Type: CSOM String

Accessibility: Read/Write

A filter field name for a specific filter that is applied to the view.

3.2.5.307.1.1.22 FilterField3

Type: CSOM String

Accessibility: Read/Write

A filter field name for a specific filter that is applied to the view.

3.2.5.307.1.1.23 FilterField4

Type: CSOM String

Accessibility: Read/Write

A filter field name for a specific filter that is applied to the view.

3.2.5.307.1.1.24 FilterField5

Type: CSOM String

Accessibility: Read/Write

A filter field name for a specific filter that is applied to the view.

3.2.5.307.1.1.25 FilterField6

Type: CSOM String

Accessibility: Read/Write

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A filter field name for a specific filter that is applied to the view.

3.2.5.307.1.1.26 FilterField7

Type: **CSOM String**

Accessibility: Read/Write

A filter field name for a specific filter that is applied to the view.

3.2.5.307.1.1.27 FilterField8

Type: **CSOM String**

Accessibility: Read/Write

A filter field name for a specific filter that is applied to the view.

3.2.5.307.1.1.28 FilterField9

Type: **CSOM String**

Accessibility: Read/Write

A filter field name for a specific filter that is applied to the view.

3.2.5.307.1.1.29 FilterFields

Type: **CSOM String**

Accessibility: Read/Write

Specifies multiple fields that are being filtered on for a multiplier filter.

3.2.5.307.1.1.30 FilterFields1

Type: **CSOM String**

Accessibility: Read/Write

Specifies multiple fields that are being filtered on for a multiplier filter.

3.2.5.307.1.1.31 FilterFields10

Type: **CSOM String**

Accessibility: Read/Write

Specifies multiple fields that are being filtered on for a multiplier filter.

3.2.5.307.1.1.32 FilterFields2

Type: **CSOM String**

Accessibility: Read/Write

Specifies multiple fields that are being filtered on for a multiplier filter.

3.2.5.307.1.1.33 FilterFields3

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Type: CSOM String

Accessibility: Read/Write

Specifies multiple fields that are being filtered on for a multiplier filter.

3.2.5.307.1.1.34 FilterFields4

Type: CSOM String

Accessibility: Read/Write

Specifies multiple fields that are being filtered on for a multiplier filter.

3.2.5.307.1.1.35 FilterFields5

Type: CSOM String

Accessibility: Read/Write

Specifies multiple fields that are being filtered on for a multiplier filter.

3.2.5.307.1.1.36 FilterFields6

Type: CSOM String

Accessibility: Read/Write

Specifies multiple fields that are being filtered on for a multiplier filter.

3.2.5.307.1.1.37 FilterFields7

Type: CSOM String

Accessibility: Read/Write

Specifies multiple fields that are being filtered on for a multiplier filter.

3.2.5.307.1.1.38 FilterFields8

Type: CSOM String

Accessibility: Read/Write

Specifies multiple fields that are being filtered on for a multiplier filter.

3.2.5.307.1.1.39 FilterFields9

Type: CSOM String

Accessibility: Read/Write

Specifies multiple fields that are being filtered on for a multiplier filter.

3.2.5.307.1.1.40 FilterLookupId

Type: CSOM String

Accessibility: Read/Write

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Used when filtering on a lookup field. This is the item id in the foreign list that has a value that is being filtered on.

3.2.5.307.1.1.41 FilterLookupId1

Type: **CSOM String**

Accessibility: Read/Write

Used when filtering on a lookup field. This is the item id in the foreign list that has a value that is being filtered on.

3.2.5.307.1.1.42 FilterLookupId10

Type: **CSOM String**

Accessibility: Read/Write

Used when filtering on a lookup field. This is the item id in the foreign list that has a value that is being filtered on.

3.2.5.307.1.1.43 FilterLookupId2

Type: **CSOM String**

Accessibility: Read/Write

Used when filtering on a lookup field. This is the item id in the foreign list that has a value that is being filtered on.

3.2.5.307.1.1.44 FilterLookupId3

Type: **CSOM String**

Accessibility: Read/Write

Used when filtering on a lookup field. This is the item id in the foreign list that has a value that is being filtered on.

3.2.5.307.1.1.45 FilterLookupId4

Type: **CSOM String**

Accessibility: Read/Write

Used when filtering on a lookup field. This is the item id in the foreign list that has a value that is being filtered on.

3.2.5.307.1.1.46 FilterLookupId5

Type: **CSOM String**

Accessibility: Read/Write

Used when filtering on a lookup field. This is the item id in the foreign list that has a value that is being filtered on.

3.2.5.307.1.1.47 FilterLookupId6

Type: **CSOM String**

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Accessibility: Read/Write

Used when filtering on a lookup field. This is the item id in the foreign list that has a value that is being filtered on.

3.2.5.307.1.1.48 FilterLookupId7

Type: **CSOM String**

Accessibility: Read/Write

Used when filtering on a lookup field. This is the item id in the foreign list that has a value that is being filtered on.

3.2.5.307.1.1.49 FilterLookupId8

Type: **CSOM String**

Accessibility: Read/Write

Used when filtering on a lookup field. This is the item id in the foreign list that has a value that is being filtered on.

3.2.5.307.1.1.50 FilterLookupId9

Type: **CSOM String**

Accessibility: Read/Write

Used when filtering on a lookup field. This is the item id in the foreign list that has a value that is being filtered on.

3.2.5.307.1.1.51 FilterOp

Type: **CSOM String**

Accessibility: Read/Write

Filter operator. Used when filtering with other operators than Eq (Geq, Leq etc.).

3.2.5.307.1.1.52 FilterOp1

Type: **CSOM String**

Accessibility: Read/Write

Filter operator. Used when filtering with other operators than Eq (Geq, Leq etc.).

3.2.5.307.1.1.53 FilterOp10

Type: **CSOM String**

Accessibility: Read/Write

Filter operator. Used when filtering with other operators than Eq (Geq, Leq etc.).

3.2.5.307.1.1.54 FilterOp2

Type: **CSOM String**

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Accessibility: Read/Write

Filter operator. Used when filtering with other operators than Eq (Geq, Leq etc.).

3.2.5.307.1.1.55 FilterOp3

Type: **CSOM String**

Accessibility: Read/Write

Filter operator. Used when filtering with other operators than Eq (Geq, Leq etc.).

3.2.5.307.1.1.56 FilterOp4

Type: **CSOM String**

Accessibility: Read/Write

Filter operator. Used when filtering with other operators than Eq (Geq, Leq etc.).

3.2.5.307.1.1.57 FilterOp5

Type: **CSOM String**

Accessibility: Read/Write

Filter operator. Used when filtering with other operators than Eq (Geq, Leq etc.).

3.2.5.307.1.1.58 FilterOp6

Type: **CSOM String**

Accessibility: Read/Write

Filter operator. Used when filtering with other operators than Eq (Geq, Leq etc.).

3.2.5.307.1.1.59 FilterOp7

Type: **CSOM String**

Accessibility: Read/Write

Filter operator. Used when filtering with other operators than Eq (Geq, Leq etc.).

3.2.5.307.1.1.60 FilterOp8

Type: **CSOM String**

Accessibility: Read/Write

Filter operator. Used when filtering with other operators than Eq (Geq, Leq etc.).

3.2.5.307.1.1.61 FilterOp9

Type: **CSOM String**

Accessibility: Read/Write

Filter operator. Used when filtering with other operators than Eq (Geq, Leq etc.).

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3.2.5.307.1.1.62 FilterValue

Type: **CSOM String**

Accessibility: Read/Write

The filter value associated with a particular filter. For example, FilterField3 goes with FilterValue3 and so forth.

3.2.5.307.1.1.63 FilterValue1

Type: **CSOM String**

Accessibility: Read/Write

The filter value associated with a particular filter. For example, FilterField3 goes with FilterValue3 and so forth.

3.2.5.307.1.1.64 FilterValue10

Type: **CSOM String**

Accessibility: Read/Write

The filter value associated with a particular filter. For example, FilterField3 goes with FilterValue3 and so forth.

3.2.5.307.1.1.65 FilterValue2

Type: **CSOM String**

Accessibility: Read/Write

The filter value associated with a particular filter. For example, FilterField3 goes with FilterValue3 and so forth.

3.2.5.307.1.1.66 FilterValue3

Type: **CSOM String**

Accessibility: Read/Write

The filter value associated with a particular filter. For example, FilterField3 goes with FilterValue3 and so forth.

3.2.5.307.1.1.67 FilterValue4

Type: **CSOM String**

Accessibility: Read/Write

The filter value associated with a particular filter. For example, FilterField3 goes with FilterValue3 and so forth.

3.2.5.307.1.1.68 FilterValue5

Type: **CSOM String**

Accessibility: Read/Write

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The filter value associated with a particular filter. For example, FilterField3 goes with FilterValue3 and so forth.

3.2.5.307.1.1.69 FilterValue6

Type: **CSOM String**

Accessibility: Read/Write

The filter value associated with a particular filter. For example, FilterField3 goes with FilterValue3 and so forth.

3.2.5.307.1.1.70 FilterValue7

Type: **CSOM String**

Accessibility: Read/Write

The filter value associated with a particular filter. For example, FilterField3 goes with FilterValue3 and so forth.

3.2.5.307.1.1.71 FilterValue8

Type: **CSOM String**

Accessibility: Read/Write

The filter value associated with a particular filter. For example, FilterField3 goes with FilterValue3 and so forth.

3.2.5.307.1.1.72 FilterValue9

Type: **CSOM String**

Accessibility: Read/Write

The filter value associated with a particular filter. For example, FilterField3 goes with FilterValue3 and so forth.

3.2.5.307.1.1.73 FilterValues

Type: **CSOM String**

Accessibility: Read/Write

Used with **FilterFields** (section 3.2.5.307.1.1.29) for multiplier filter.

3.2.5.307.1.1.74 FilterValues1

Type: **CSOM String**

Accessibility: Read/Write

Used with **FilterFields1** (section 3.2.5.307.1.1.30) for multiplier filter.

3.2.5.307.1.1.75 FilterValues10

Type: **CSOM String**

Accessibility: Read/Write

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Used with **FilterFields10** (section 3.2.5.307.1.1.31) for multiplier filter.

3.2.5.307.1.1.76 FilterValues2

Type: **CSOM String**

Accessibility: Read/Write

Used with **FilterFields2** (section 3.2.5.307.1.1.32) for multiplier filter.

3.2.5.307.1.1.77 FilterValues3

Type: **CSOM String**

Accessibility: Read/Write

Used with **FilterFields3** (section 3.2.5.307.1.1.33) for multiplier filter.

3.2.5.307.1.1.78 FilterValues4

Type: **CSOM String**

Accessibility: Read/Write

Used with **FilterFields4** (section 3.2.5.307.1.1.34) for multiplier filter.

3.2.5.307.1.1.79 FilterValues5

Type: **CSOM String**

Accessibility: Read/Write

Used with **FilterFields5** (section 3.2.5.307.1.1.35) for multiplier filter.

3.2.5.307.1.1.80 FilterValues6

Type: **CSOM String**

Accessibility: Read/Write

Used with **FilterFields6** (section 3.2.5.307.1.1.36) for multiplier filter.

3.2.5.307.1.1.81 FilterValues7

Type: **CSOM String**

Accessibility: Read/Write

Used with **FilterFields7** (section 3.2.5.307.1.1.37) for multiplier filter.

3.2.5.307.1.1.82 FilterValues8

Type: **CSOM String**

Accessibility: Read/Write

Used with **FilterFields8** (section 3.2.5.307.1.1.38) for multiplier filter.

3.2.5.307.1.1.83 FilterValues9

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Type: CSOM String

Accessibility: Read/Write

Used with **FilterFields9** (section 3.2.5.307.1.1.39) for multiplier filter.

3.2.5.307.1.1.84 GroupString

Type: CSOM String

Accessibility: Read/Write

Group identifier used for drill-down feature.

3.2.5.307.1.1.85 HasOverrideSelectCommand

Type: CSOM String

Accessibility: Read/Write

Used to ensure that certain fields are present for proper functioning of the ListView control.

3.2.5.307.1.1.86 ID

Type: CSOM String

Accessibility: Read/Write

The item id of the item whose information is being sought.

3.2.5.307.1.1.87 InplaceFullListSearch

Type: CSOM String

Accessibility: Read/Write

Specifies whether there is a full list search. "true" if there is a full list search; "false" otherwise.

3.2.5.307.1.1.88 InplaceSearchQuery

Type: CSOM String

Accessibility: Read/Write

Search term for a full list search.

3.2.5.307.1.1.89 IsCSR

Type: CSOM String

Accessibility: Read/Write

Specifies whether this view is a client side rendered view.

3.2.5.307.1.1.90 IsGroupRender

Type: CSOM String

Accessibility: Read/Write

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Used to set the IsGroupRender property of the SP.View.

3.2.5.307.1.1.91 IsXslView

Type: **CSOM String**

Accessibility: Read/Write

Specifies whether this view is an xslt list view.

3.2.5.307.1.1.92 ListViewPageUrl

Type: **CSOM String**

Accessibility: Read/Write

The URL of the view that is being displayed.

3.2.5.307.1.1.93 OverrideScope

Type: **CSOM String**

Accessibility: Read/Write

Used to override a scope on the rendered view: SPView.Scope.

3.2.5.307.1.1.94 OverrideSelectCommand

Type: **CSOM String**

Accessibility: Read/Write

Used to make sure that certain fields are present in the query regardless of whether they are explicitly included in the view.

3.2.5.307.1.1.95 PageFirstRow

Type: **CSOM String**

Accessibility: Read/Write

Paging information about the first row that is requested. Used for paging list views.

3.2.5.307.1.1.96 PageLastRow

Type: **CSOM String**

Accessibility: Read/Write

Paging information about the last row that is requested. Used for paging list views.

3.2.5.307.1.1.97 RootFolder

Type: **CSOM String**

Accessibility: Read/Write

The folder that the view is displaying.

3.2.5.307.1.1.98 SortDir

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Type: CSOM String

Accessibility: Read/Write

The sort direction of an ad hoc sort that is being applied to the view.

3.2.5.307.1.1.99 SortDir1

Type: CSOM String

Accessibility: Read/Write

The sort direction of an ad hoc sort that is being applied to the view.

3.2.5.307.1.1.100 SortDir10

Type: CSOM String

Accessibility: Read/Write

The sort direction of an ad hoc sort that is being applied to the view.

3.2.5.307.1.1.101 SortDir2

Type: CSOM String

Accessibility: Read/Write

The sort direction of an ad hoc sort that is being applied to the view.

3.2.5.307.1.1.102 SortDir3

Type: CSOM String

Accessibility: Read/Write

The sort direction of an ad hoc sort that is being applied to the view.

3.2.5.307.1.1.103 SortDir4

Type: CSOM String

Accessibility: Read/Write

The sort direction of an ad hoc sort that is being applied to the view.

3.2.5.307.1.1.104 SortDir5

Type: CSOM String

Accessibility: Read/Write

The sort direction of an ad hoc sort that is being applied to the view.

3.2.5.307.1.1.105 SortDir6

Type: CSOM String

Accessibility: Read/Write

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The sort direction of an ad hoc sort that is being applied to the view.

3.2.5.307.1.1.106 SortDir7

Type: **CSOM String**

Accessibility: Read/Write

The sort direction of an ad hoc sort that is being applied to the view.

3.2.5.307.1.1.107 SortDir8

Type: **CSOM String**

Accessibility: Read/Write

The sort direction of an ad hoc sort that is being applied to the view.

3.2.5.307.1.1.108 SortDir9

Type: **CSOM String**

Accessibility: Read/Write

The sort direction of an ad hoc sort that is being applied to the view.

3.2.5.307.1.1.109 SortField

Type: **CSOM String**

Accessibility: Read/Write

A field that the view SHOULD be sorted on.

3.2.5.307.1.1.110 SortField1

Type: **CSOM String**

Accessibility: Read/Write

A field that the view SHOULD be sorted on.

3.2.5.307.1.1.111 SortField10

Type: **CSOM String**

Accessibility: Read/Write

A field that the view SHOULD be sorted on.

3.2.5.307.1.1.112 SortField2

Type: **CSOM String**

Accessibility: Read/Write

A field that the view SHOULD be sorted on.

3.2.5.307.1.1.113 SortField3

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Type: CSOM String

Accessibility: Read/Write

A field that the view SHOULD be sorted on.

3.2.5.307.1.1.114 SortField4

Type: CSOM String

Accessibility: Read/Write

A field that the view SHOULD be sorted on.

3.2.5.307.1.1.115 SortField5

Type: CSOM String

Accessibility: Read/Write

A field that the view SHOULD be sorted on.

3.2.5.307.1.1.116 SortField6

Type: CSOM String

Accessibility: Read/Write

A field that the view SHOULD be sorted on.

3.2.5.307.1.1.117 SortField7

Type: CSOM String

Accessibility: Read/Write

A field that the view SHOULD be sorted on.

3.2.5.307.1.1.118 SortField8

Type: CSOM String

Accessibility: Read/Write

A field that the view SHOULD be sorted on.

3.2.5.307.1.1.119 SortField9

Type: CSOM String

Accessibility: Read/Write

A field that the view SHOULD be sorted on.

3.2.5.307.1.1.120 SortFields

Type: CSOM String

Accessibility: Read/Write

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Specifies the name of the first Field to sort by.

3.2.5.307.1.1.121 SortFieldValues

Type: **CSOM String**

Accessibility: Read/Write

Specifies the name of the first Field to sort by.

3.2.5.307.1.1.122 View

Type: **CSOM String**

Accessibility: Read/Write

The view identifier Guid of the current view.

3.2.5.307.1.1.123 ViewCount

Type: **CSOM String**

Accessibility: Read/Write

When multiple list views are on a page, this identifies one of them.

3.2.5.307.1.1.124 ViewId

Type: **CSOM String**

Accessibility: Read/Write

Specifies the base view that will be used to render the list. Ad hoc parameters will be applied on top of this view. If both ViewXml and BaseViewId are given, then the ViewXml will be used and the ad hoc parameters will be ignored.

3.2.5.307.1.1.125 ViewPath

Type: **CSOM String**

Accessibility: Read/Write

Specify the path of the view that will be used to render the list. If ViewId is given then the ViewId will be used and this parameters will be ignored.

3.2.5.307.1.1.126 WebPartId

Type: **CSOM String**

Accessibility: Read/Write

The id of the list view web part that is showing this view.

3.2.5.307.1.2ObjectPath Properties

None.

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3.2.5.308 Microsoft.SharePoint.Client.RenderListFilterDataParameters

TypeId: {5932E072-C4E0-4809-B1C9-88077C4DF471}

ShortName: SP.RenderListFilterDataParameters

Specifies the parameters that are used to retrieve filter data.

3.2.5.308.1 Properties

3.2.5.308.1.1 Scalar Properties

3.2.5.308.1.1.1 ExcludeFieldFilteringHtml

Type: **CSOM Boolean**

Accessibility: Read/Write

This parameter indicates whether field specific list filter html is excluded from rendering.

3.2.5.308.1.1.2 FieldInternalName

Type: **CSOM String**

Accessibility: Read/Write

The field internal name whose filter data is returned.

3.2.5.308.1.1.3 OverrideScope

Type: **CSOM String**

Accessibility: Read/Write

The overrideScope for which the field filter data is returned. The string values come from SPView.ConvertStringToViewScope.

3.2.5.308.1.1.4 ProcessQStringToCAML

Type: **CSOM String**

Accessibility: Read/Write

The processQString for which the field filter data is returned.

3.2.5.308.1.1.5 ViewId

Type: **CSOM String**

Accessibility: Read/Write

The View ID (GUID) for the view from which to retrieve filter data.

3.2.5.308.1.2 ObjectPath Properties

None.

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3.2.5.309 Microsoft.SharePoint.Client.RequestUserContext

TypeId: {56E4C4BC-9C90-400C-8EFD-940E74794E3A}

ShortName: SP.RequestUserContext

The class that represents the user context for the present request. Typically found under /_api/me

3.2.5.309.1 Properties

3.2.5.309.1.1 Scalar Properties

None.

3.2.5.309.1.2 ObjectPath Properties

3.2.5.309.1.2.1 Current

Type: Microsoft.SharePoint.Client.RequestUserContext

Accessibility: Read Only

Gets the SP.RequestUserContext for the current request.

3.2.5.309.1.2.2 User

Type: Microsoft.SharePoint.Client.User

Accessibility: Read Only

The SP.User object for the current request.

3.2.5.309.2 Methods

3.2.5.309.2.1 Scalar Methods

None.

3.2.5.309.2.2 ObjectPath Methods

None.

3.2.5.310 Microsoft.SharePoint.Client.RuleOverrideOptions

ShortName: SP.RuleOverrideOptions

Flag: false

The allowable options that someone can take to override a policy match.

3.2.5.310.1 Field Values

3.2.5.310.1.1 None

Value: 0

No override is allowed.

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3.2.5.310.1.2 Allow

Value: 1

Override is allowed without requiring justification.

3.2.5.310.1.3 AllowWithJustification

Value: 2

Override is allowed as long as justification is provided.

3.2.5.311 Microsoft.SharePoint.Client.SandboxedCodeActivationCapabilities

ShortName: SP.SandboxedCodeActivationCapabilities

Flag: false

The sandboxed code capabilities for the site collection.

Note that the SandboxedCodeActivationCapabilities enum in ms.online.sp.powershell Get/Set-SPOSite cmdlet defines the first enum value as 'Unknown'. This is because the SandboxedCodeActivationCapabilities in that code base needs an unknown value, indicating that the default use of Get-SPOSite does not return site properties. So you have to show the value in this case as unknown (that is the current model for that code base). If you add the -Detailed switch to Get-SPOSite, it will get the site properties.

3.2.5.311.1 Field Values

3.2.5.311.1.1 Check

Value: 1

The sandboxed code capability for the site collection is chosen based on the presence of existing solutions with sandboxed code. If the site collection contains one or more activated solutions with sandboxed code, the capability will be Enabled, otherwise Disabled. This is the default sandboxed code capability for site collections.

3.2.5.311.1.2 Disabled

Value: 2

The site collection will block activation and upgrade of solutions with sandboxed code.

3.2.5.311.1.3 Enabled

Value: 3

The site collection will allow activation and upgrade of solutions with sandboxed code.

3.2.5.312 Microsoft.SharePoint.Client.SharePointSharingSettings

TypeId: {07DBEBDF-94BC-4A22-843A-323551F64FAB}

ShortName: SP.SharePointSharingSettings

This class contains the SharePoint UI-specific sharing settings.

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3.2.5.312.1 Properties

3.2.5.312.1.1 Scalar Properties

3.2.5.312.1.1.1 AddToGroupModeName

Type: **CSOM String**

Accessibility: Read Only

The group name when adding users to a single group (AddToGroup mode).

3.2.5.312.1.1.2 GroupNameLines

Type: **CSOM array** of **CSOM String**

Accessibility: Read Only

A collection of each group's name in the site.

3.2.5.312.1.1.3 GroupRoleDefinitionNamesLines

Type: **CSOM array** of **CSOM String**

Accessibility: Read Only

A collection of HTML definitions for each group's role in the site.

Format: Group's role name

3.2.5.312.1.1.4 IsMobileView

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean that indicates whether or not the sharing dialog SHOULD render as a mobile view.

3.2.5.312.1.1.5 PanelGivePermissionsVisible

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean that indicates whether or not the "Give permissions" section (label and group/role drop-down) is visible.

3.2.5.312.1.1.6 PanelShowHideMoreOptionsVisible

Type: **CSOM Boolean**

Accessibility: Read Only

Boolean that indicates whether or not the Show/Hide more options link is visible.

3.2.5.312.1.1.7 PanelSimplifiedRoleSelectorVisible

Type: **CSOM Boolean**

Accessibility: Read Only

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Boolean that indicates whether or not the simplified role (edit, view) drop-down is visible.

3.2.5.312.1.1.8 RequiredScriptFileLinks

Type: **CSOM array** of **CSOM String**

Accessibility: Read Only

Provides file dependencies as a list of URLs, for the sharing feature.

3.2.5.312.1.1.9 RoleDefinitionNameLines

Type: **CSOM array** of **CSOM String**

Accessibility: Read Only

A collection of **HTML** definitions for each basic role in the site.

3.2.5.312.1.1.10 SelectedGroup

Type: **CSOM String**

Accessibility: Read Only

The reference to the currently selected group.

3.2.5.312.1.1.11 SharedWithEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the tabbed **Shared With** pane is enabled.

3.2.5.312.1.1.12 SharingCssLink

Type: **CSOM String**

Accessibility: Read Only

CSS file link **URL** for the sharing feature.

3.2.5.312.1.1.13 TabbedDialogEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the sharing dialog supports tabbing.

3.2.5.312.1.1.14 TabToShow

Type: **CSOM Int32**

Accessibility: Read Only

An integer corresponding to the tab that is requested.

3.2.5.312.1.1.15 txtEmailSubjectText

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Type: CSOM String

Accessibility: Read Only

A value that is used to fill in the sharing email subject line.

3.2.5.312.1.1.16 UserDisplayUrl

Type: CSOM String

Accessibility: Read Only

Base URL of the page used to display information about a particular user.

3.2.5.312.1.2 ObjectPath Properties

3.2.5.312.1.2.1 PickerProperties

Type: Microsoft.SharePoint.Client.PickerSettings

Accessibility: Read Only

An object containing the necessary information to initialize a client people picker control used to search for and resolve desired users and groups.

3.2.5.312.2 Methods

3.2.5.312.2.1 Scalar Methods

None.

3.2.5.312.2.2 ObjectPath Methods

None.

3.2.5.313 Microsoft.SharePoint.Client.Sharing.WebSharingManager

TypeId: {A187F049-F067-42CD-977B-79E85EA2A9FA}

ShortName: SP.Sharing.WebSharingManager

Specifies a placeholder for all web sharing methods.

3.2.5.313.1 Properties

3.2.5.313.1.1 Scalar Properties

None.

3.2.5.313.1.2 ObjectPath Properties

None.

3.2.5.313.2 Methods

3.2.5.313.2.1 Scalar Methods

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3.2.5.313.2.1.1 CanMemberShare

This method is a **static CSOM method**.

Return Type: **CSOM Boolean**

Indicates whether the input site can do member sharing.

Parameters:

web: The **site (2)** to check member sharing.

Type: Microsoft.SharePoint.Client.Web

3.2.5.313.2.1.2 UpdateWebSharingInformation

This method is a **static CSOM method**.

Return Type: **CSOM array** of Microsoft.SharePoint.Client.Sharing.UserSharingResult

This method allows a user to update a site's sharing information.

Parameters:

web: The **site (2)** to update the sharing information.

Type: Microsoft.SharePoint.Client.Web

userRoleAssignments: A list of recipients and their new assigned roles on the **securable object**.

Type: CSOM array of Microsoft.SharePoint.Client.Sharing.UserRoleAssignment

sendServerManagedNotification: A Boolean to tell the server to generate an email notification if an email server is configured on the server.

Type: **CSOM Boolean**

customMessage: A custom message to be included in the email notification.

Type: **CSOM String**

additivePermission: A Boolean indicating whether the permission setting uses the additive or strict mode.

Type: CSOM Boolean

allowExternalSharing: A Boolean to indicate whether to support external sharing.

Type: CSOM Boolean

3.2.5.313.2.2 ObjectPath Methods

None.

3.2.5.314 Microsoft.SharePoint.Client.SharingLinkInfo

TypeId: {43647532-53C0-489A-A800-B51F5A3804A2}

ShortName: SP.SharingLinkInfo

Specifies the information about the **tokenized sharing link**.

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3.2.5.314.1 Properties

3.2.5.314.1.1 Scalar Properties

3.2.5.314.1.1.1 AllowsAnonymousAccess

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the **tokenized sharing link** allows anonymous access.

3.2.5.314.1.1.2 Created

Type: **CSOM String**

Accessibility: Read Only

The UTC date/time string with complete representation for calendar date and time of day which represents the time and date of creation of the **tokenized sharing link**. Format returned from get operation is "YYYY-MM-DDThh:mm:ss.fffZ" (e.g. "2016-09-22T12:20:10.125Z"), with a null value indicating no recorded creation date. The date/time string format for set operations conforms to the ISO 8601:2004(E) complete representation for calendar date and time of day. Both the minutes and hour value MUST be specified for the difference between the local and UTC time. Midnight is represented as 00:00:00. For example: YYYYMMDDThhmmssZ YYYYMMDDThhmmss±hhmm YYYYMMDDThhmmss±hh:mm YYYYMMDDThhmmssfffZ YYYY-MM-DDThh:mm:ssZ YYYY-MM-DDThh:mm:ss±hh:mm YYYY-MM-DDThh:mm:ss±hhmm YYYY-MM-DDThh:mm:ss.fffZ.

3.2.5.314.1.1.3 CreatedBy

Type: Microsoft.SharePoint.Client.Sharing.Principal

Accessibility: Read Only

Indicates the principal who created the **tokenized sharing link**, or null if the created by value is not recorded.

3.2.5.314.1.1.4 Expiration

Type: **CSOM String**

Accessibility: Read Only

The UTC date/time string with complete representation for calendar date and time of day which represents the time and date of expiry for the **tokenized sharing link** (i.e. is not accessible anymore). Format returned from get operation is "YYYY-MM-DDThh:mm:ss.fffZ" (e.g. "2016-09-22T12:20:10.125Z"), with a null value indicating no expiry. The date/time string format for set operations conforms to the ISO 8601:2004(E) complete representation for calendar date and time of day. Both the minutes and hour value MUST be specified for the difference between the local and UTC time. Midnight is represented as 00:00:00. For example: YYYYMMDDThhmmssZ YYYYMMDDThhmmss±hhmm YYYYMMDDThhmmss±hh:mm YYYYMMDDThhmmssfffZ YYYY-MM-DDThh:mm:ssZ YYYY-MM-DDThh:mm:ss±hh:mm YYYY-MM-DDThh:mm:ss±hhmm YYYY-MM-DDThh:mm:ss.fffZ A null value indicates no expiry.

This value is only applicable to tokenized sharing links that are **anonymous access links**.

3.2.5.314.1.1.5 HasExternalGuestInvitees

Type: **CSOM Boolean**

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Accessibility: Read Only

Indicates whether the **tokenized sharing link** has any External Guest Invitees (external users explicitly invited by email address).

3.2.5.314.1.1.6 Invitations

Type: **CSOM array** of Microsoft.SharePoint.Client.Sharing.LinkInvitation

Accessibility: Read Only

This value contains the current membership list for principals that have been Invited to the **tokenized sharing link**.

3.2.5.314.1.1.7 IsActive

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the **tokenized sharing link** is active.

3.2.5.314.1.1.8 IsEditLink

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the **tokenized sharing link** provides edit access.

3.2.5.314.1.1.9 IsFormsLink

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the **tokenized sharing link** is a forms link.

3.2.5.314.1.1.10 IsReviewLink

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the **tokenized sharing link** provides review access.

3.2.5.314.1.1.11 IsUnhealthy

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates the **tokenized sharing link** is in unhealthy state and might not work.

3.2.5.314.1.1.12 LastModified

Type: **CSOM String**

Accessibility: Read Only

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The UTC date/time string with complete representation for calendar date and time of day which represents the time and date of the last update of the settings for the **tokenized sharing link**. Format returned from get operation is "YYYY-MM-DDThh:mm:ss.fffZ" (e.g. "2016-09-22T12:20:10.125Z"), with a null value indicating no recorded modification date. The date/time string format for set operations conforms to the ISO 8601:2004(E) complete representation for calendar date and time of day. Both the minutes and hour value MUST be specified for the difference between the local and UTC time. Midnight is represented as 00:00:00. For example: YYYYMMDDThhmmssZ YYYYMMDDThhmmss±hhmm YYYYMMDDThhmmss±hh:mm YYYYMMDDThhmmssfffZ YYYY-MM-DDThh:mm:ssZ YYYY-MM-DDThh:mm:ss±hh:mm YYYY-MM-DDThh:mm:ss±hhmm YYYY-MM-DDThh:mm:ss.fffZ.

3.2.5.314.1.1.13 LastModifiedBy

Type: Microsoft.SharePoint.Client.Sharing.Principal

Accessibility: Read Only

Indicates the principal who last modified the **tokenized sharing link**. This value MUST be null if the last modified by value is not recorded.

3.2.5.314.1.1.14 LinkKind

Type: Microsoft.SharePoint.Client.SharingLinkKind

Accessibility: Read Only

Specifies the kind of **tokenized sharing link**.

3.2.5.314.1.1.15 RequiresPassword

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the **tokenized sharing link** is password protected.

3.2.5.314.1.1.16 RestrictedShareMembership

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the **tokenized sharing link** allows access only to the Invitees.

3.2.5.314.1.1.17 ShareId

Type: **CSOM GUID**

Accessibility: Read Only

The unique share identifier of a **tokenized sharing link**.

3.2.5.314.1.1.18 Url

Type: **CSOM String**

Accessibility: Read Only

Specifies the **URL** of the **tokenized sharing link**

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3.2.5.314.1.2 ObjectPath Properties

None.

3.2.5.315 Microsoft.SharePoint.Client.SharingLinkKind

ShortName: SP.SharingLinkKind

Flag: false

Specifies the kind of **tokenized sharing link**

3.2.5.315.1 Field Values

3.2.5.315.1.1 Uninitialized

Value: 0

Indicates the kind is indeterminate or that the value has not been initialized

3.2.5.315.1.2 Direct

Value: 1

Indicates a direct link or **canonical URL** to an object

3.2.5.315.1.3 OrganizationView

Value: 2

Indicates an **organization access link** with view permissions to an object

3.2.5.315.1.4 OrganizationEdit

Value: 3

Indicates an **organization access link** with edit permissions to an object

3.2.5.315.1.5 AnonymousView

Value: 4

Indicates an **anonymous access link** with view permissions to an object

3.2.5.315.1.6 AnonymousEdit

Value: 5

Indicates an **anonymous access link** with edit permissions to an object

3.2.5.315.1.7 Flexible

Value: 6

Indicates a **tokenized sharing link** where properties can change without affecting link URL

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3.2.5.316 Microsoft.SharePoint.Client.SharingOperationStatusCode

ShortName: SP.SharingOperationStatusCode

Flag: false

Contains values representing the overall result of a sharing operation.

3.2.5.316.1 Field Values

3.2.5.316.1.1 CompletedSuccessfully

Value: 0

Indicates the share operation completed without errors.

3.2.5.316.1.2 AccessRequestsQueued

Value: 1

Indicates the share operation completed and generated requests for access.

3.2.5.316.1.3 NoResolvedUsers

Value: -1

Indicates the share operation failed as there were no resolved users.

3.2.5.316.1.4 AccessDenied

Value: -2

Indicates the share operation failed due to insufficient permissions.

3.2.5.316.1.5 CrossSiteRequestNotSupported

Value: -3

Indicates the share operation failed when attempting a cross-site share, which is not supported.

3.2.5.316.1.6 UnknowError

Value: -4

Indicates the sharing operation failed due to an unknown error.

3.2.5.316.1.7 EmailBodyTooLong

Value: -5

The email body text is too long.

3.2.5.316.1.8 ListUniqueScopesExceeded

Value: -6

The maximum number of unique **security scopes** in the **list** has been exceeded.

3.2.5.316.1.9 CapabilityDisabled

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Value: -7

The share operation failed because a sharing capability is disabled in the **site (1)**.

3.2.5.316.1.10 ObjectNotSupported

Value: -8

The specified object for the share operation is not supported.

3.2.5.316.1.11 NestedGroupsNotSupported

Value: -9

A SharePoint group cannot contain another SharePoint group.

3.2.5.316.1.12 QuotaExceeded

Value: -10

A SharePoint Quota limit exceeded. (eg. group, site, file storage, etc).

3.2.5.316.1.13 InvalidValue

Value: -11

A SharePoint invalid value.

3.2.5.316.1.14 UserDoesNotExist

Value: -12

User does not exist.

3.2.5.316.1.15 TooManyChildItemsWithUniqueScopes

Value: -13

The share operation failed because the target object has too many child **list items** with unique **security scopes**.

3.2.5.317 Microsoft.SharePoint.Client.SharingPermissionInformation

TypeId: {1A97A9B7-5F9F-4DA3-9402-48324BCB9D9F}

ShortName: SP.SharingPermissionInformation

Contains information about a sharing permission entity such as group or role.

3.2.5.317.1 Properties

3.2.5.317.1.1 Scalar Properties

3.2.5.317.1.1.1 IsDefaultPermission

Type: **CSOM Boolean**

Accessibility: Read Only

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Identifies whether or not the permission entity is a default SP.Group or role (meaning it is recommended for granting permissions).

A value of true specifies the current permission is a default SP.Group for granting permissions to a site (site owner, member, or visitor SP.Group) or a default role for granting permission to a file or other non-site object (edit or view). A value of false specifies otherwise.

For SPSites & SPWebs, there can be three default permission entities: owners, members, or visitors SPGroups. For granting permissions to a file or other non-site object, there can be two default permission entities: a role for view permissions (StandardViewerRoleDefinitionID) and a role for edit permissions (StandardEditorRoleDefinitionID).

3.2.5.317.1.1.2 PermissionDescription

Type: **CSOM String**

Accessibility: Read Only

Gets the permission's associated group or role name including its descriptions (optional).

3.2.5.317.1.1.3 PermissionId

Type: **CSOM String**

Accessibility: Read Only

Gets the ID of this permission in the following formats: group:x, role: xxxxxx.

3.2.5.317.1.1.4 PermissionKind

Type: Microsoft.SharePoint.Client.SharingPermissionKind

Accessibility: Read Only

Gets the kind of sharing permission such as group, role, etc.

3.2.5.317.1.1.5 PermissionName

Type: **CSOM String**

Accessibility: Read Only

Gets the name of the permission.

3.2.5.317.1.1.6 PermissionRoleType

Type: Microsoft.SharePoint.Client.RoleType

Accessibility: Read Only

Returns the RoleType that indicates the permission role represented by the sharing permission entry.

3.2.5.317.1.2 ObjectPath Properties

None.

3.2.5.317.2 Methods

3.2.5.317.2.1 Scalar Methods

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None.

3.2.5.317.2.2 ObjectPath Methods

None.

3.2.5.318 Microsoft.SharePoint.Client.SharingPermissionInformationCollection

TypeId: {7EE2A862-17C8-46B8-8F66-0373EE06AFBF}

ShortName: SP.SharingPermissionInformationCollection

Contains a collection of **SharingPermissionInformation** (section 3.2.5.317) objects.

3.2.5.318.1 Properties

3.2.5.318.1.1 Scalar Properties

None.

3.2.5.318.1.2 ObjectPath Properties

None.

3.2.5.318.2 Methods

3.2.5.318.2.1 Scalar Methods

None.

3.2.5.318.2.2 ObjectPath Methods

None.

3.2.5.319 Microsoft.SharePoint.Client.SharingPermissionKind

ShortName: SP.SharingPermissionKind

Flag: false

Describes the kind of **SharingPermissionInformation** (section 3.2.5.317) a particular permission option is when it is used for granting permission.

3.2.5.319.1 Field Values

3.2.5.319.1.1 Group

Value: 0

This kind of permission option is a SharePoint group, which users are added to in order to grant permissions.

3.2.5.319.1.2 Role

Value: 1

This kind of permission option grants permissions by assigning a particular role directly to the user.

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3.2.5.320 Microsoft.SharePoint.Client.SharingResult

TypeId: {AEB0DDA7-3371-4E99-8063-9AFF83BB44E6}

ShortName: SP.SharingResult

Contains properties generated as a result of sharing.

3.2.5.320.1 Properties

3.2.5.320.1.1 Scalar Properties

3.2.5.320.1.1.1 ErrorMessage

Type: **CSOM String**

Accessibility: Read Only

Gets an error message about the failure if sharing was unsuccessful.

3.2.5.320.1.1.2 IconUrl

Type: **CSOM String**

Accessibility: Read Only

Gets a URL to an icon that represents the **securable object**, if one exists.

3.2.5.320.1.1.3 InvitedUsers

Type: **CSOM array** of Microsoft.SharePoint.Client.SPInvitationCreationResult

Accessibility: Read Only

Gets a list of **SPInvitationCreationResult** (section 3.2.5.325) objects representing the external users being invited to have access.

3.2.5.320.1.1.4 Name

Type: **CSOM String**

Accessibility: Read Only

Gets the name of the **securable object** being shared.

3.2.5.320.1.1.5 PermissionsPageRelativeUrl

Type: **CSOM String**

Accessibility: Read Only

Gets the relative URL of the page that shows permissions.

3.2.5.320.1.1.6 StatusCode

Type: Microsoft.SharePoint.Client.SharingOperationStatusCode

Accessibility: Read Only

Gets the enumeration value which summarizes the result of the sharing operation.

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3.2.5.320.1.1.7 UniquelyPermissionedUsers

Type: **CSOM array** of Microsoft.SharePoint.Client.Sharing.UserSharingResult

Accessibility: Read Only

Gets the list of **UserSharingResult** (section 3.2.5.190) objects obtained when attempting to share a **securable object** with unique permissions.

3.2.5.320.1.1.8 Url

Type: **CSOM String**

Accessibility: Read Only

Gets the URL of the **securable object** being shared.

3.2.5.320.1.1.9 UsersAddedToGroup

Type: **CSOM array** of Microsoft.SharePoint.Client.Sharing.UserSharingResult

Accessibility: Read Only

Gets the list of users being added to the SharePoint permissions group.

3.2.5.320.1.2 ObjectPath Properties

3.2.5.320.1.2.1 GroupsSharedWith

Type: Microsoft.SharePoint.Client.GroupCollection

Accessibility: Read Only

Gets the groups which were granted permissions.

3.2.5.320.1.2.2 GroupUsersAddedTo

Type: Microsoft.SharePoint.Client.Group

Accessibility: Read Only

Gets the SharePoint group that users, if any, were added to.

3.2.5.320.1.2.3 UsersWithAccessRequests

Type: Microsoft.SharePoint.Client.SharingUserCollection

Accessibility: Read Only

Gets the collection of users which have new pending access requests as a result of sharing.

3.2.5.320.2 Methods

3.2.5.320.2.1 Scalar Methods

None.

3.2.5.320.2.2 ObjectPath Methods

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None.

3.2.5.321 Microsoft.SharePoint.Client.SharingUserCollection

TypeId: {EADF1A24-3786-44DD-8C4F-1B16E787F4AD}

ShortName: SP.SharingUserCollection

Specifies a collection of sharing users.

3.2.5.321.1 Properties

3.2.5.321.1.1 Scalar Properties

None.

3.2.5.321.1.2 ObjectPath Properties

None.

3.2.5.321.2 Methods

3.2.5.321.2.1 Scalar Methods

None.

3.2.5.321.2.2 ObjectPath Methods

None.

3.2.5.322 Microsoft.SharePoint.Client.SPDataLeakagePreventionStatusInfo

TypeId: {3D7F9E23-8100-41F1-96A8-D272093463F8}

ShortName: SP.SPDataLeakagePreventionStatusInfo

Contains all the Data Leakage Prevention status information to render the appropriate sharing warnings to the user on page load.

3.2.5.322.1 Properties

3.2.5.322.1.1 Scalar Properties

3.2.5.322.1.1.1 ContainsConfidentialInfo

Type: **CSOM Boolean**

Accessibility: Read Only

Returns the **ContainsConfidentialInfo** property (section 3.2.5.143.1.1.38) of the **SP.Web**.

3.2.5.322.1.1.2 ContainsConfidentialInfoLearnMoreUrl

Type: **CSOM String**

Accessibility: Read Only

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Returns the Learn More link **URL** associated with the **ContainsConfidentialInfo** property (section 3.2.5.143.1.1.38).

3.2.5.322.1.1.3 ExternalSharingTipsEnabled

Type: CSOM Boolean

Accessibility: Read Only

Returns the **ExternalSharingTipsEnabled** property (section 3.2.5.119.1.1.28) of the **SP.Site**.

3.2.5.322.1.1.4 ExternalSharingTipsLearnMoreUrl

Type: CSOM String

Accessibility: Read Only

Returns the Learn More link URL associated with the **ExternalSharingTipsEnabled** property (section 3.2.5.119.1.1.28).

3.2.5.322.1.2 ObjectPath Properties

None.

3.2.5.322.2 Methods

3.2.5.322.2.1 Scalar Methods

None.

3.2.5.322.2.2 ObjectPath Methods

None.

3.2.5.323 Microsoft.SharePoint.Client.SpecialFolderType

ShortName: SP.SpecialFolderType

Flag: false

Scenarios that are supported by the "Save to OneDrive" API.

3.2.5.323.1 Field Values

3.2.5.323.1.1 Attachment

Value: 0

The email attachment can be saved to OneDrive.

3.2.5.323.1.2 Photos

Value: 1

Photos can be saved to OneDrive.

3.2.5.323.1.3 CameraRoll

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Value: 2

The camera roll can be saved to OneDrive.

3.2.5.323.1.4 Music

Value: 3

Music can be saved to OneDrive.

3.2.5.323.1.5 Apps

Value: 4

Apps can be saved to OneDrive.

3.2.5.323.1.6 AppRoot

Value: 5

The AppRoot can be saved to OneDrive.

3.2.5.323.1.7 Desktop

Value: 6

The Desktop folder can be saved to OneDrive.

3.2.5.323.1.8 Documents

Value: 7

The Documents folder can be saved to OneDrive.

3.2.5.323.1.9 ScreenShots

Value: 8

The Screenshots folder can be saved to OneDrive.

3.2.5.323.1.10 Templates

Value: 9

The Templates folder can be saved to OneDrive.

3.2.5.324 Microsoft.SharePoint.Client.SPEffectiveInformationRightsManagementSettingsSource

ShortName: SP.SPEffectiveInformationRightsManagementSettingsSource

Flag: false

Specifies the different effective **IRM** settings source for the file.

3.2.5.324.1 Field Values

3.2.5.324.1.1 None

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Value: 0

No **IRM** settings.

3.2.5.324.1.2 File

Value: 1

The **IRM** settings are applied from the file.

3.2.5.324.1.3 List

Value: 2

The **IRM** settings are applied from the list containing the file.

3.2.5.324.1.4 Rule

Value: 3

The **IRM** settings are applied from a Data Loss Prevention rule.

3.2.5.325 Microsoft.SharePoint.Client.SPInvitationCreationResult

TypeId: {56593357-67A4-41F7-B6D8-CCE2D1013AFE}

ShortName: SP.SPInvitationCreationResult

Specifies a result of adding an invitation.

3.2.5.325.1 Properties

3.2.5.325.1.1 Scalar Properties

3.2.5.325.1.1.1 Email

Type: **CSOM String**

Accessibility: Read Only

Specifies an email address of the invitation.

3.2.5.325.1.1.2 InvitationLink

Type: **CSOM String**

Accessibility: Read Only

Specifies an invitation link which was generated during invitation creation.

3.2.5.325.1.1.3 Succeeded

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether adding the invitation is successful.

3.2.5.325.1.2 ObjectPath Properties

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None.

3.2.5.326 Microsoft.SharePoint.Client.SPMigrationJobStatus

TypeId: {6F5420D8-0B1C-4212-9770-AD7A2E67B3C7}

ShortName: SP.SPMigrationJobStatus

Specifies the status of the migration job.

3.2.5.326.1 Properties

3.2.5.326.1.1 Scalar Properties

3.2.5.326.1.1.1 JobId

Type: **CSOM GUID**

Accessibility: Read/Write

Gets or sets the ID of the migration job.

3.2.5.326.1.1.2 JobState

Type: Microsoft.SharePoint.Client.MigrationJobState

Accessibility: Read/Write

Gets or sets the status of the migration job.

3.2.5.326.1.2 ObjectPath Properties

None.

3.2.5.326.2 Methods

3.2.5.326.2.1 Scalar Methods

None.

3.2.5.326.2.2 ObjectPath Methods

None.

3.2.5.327 Microsoft.SharePoint.Client.SPMigrationJobStatusCollection

TypeId: {B584E7EA-7FC7-4DD7-AAA6-45A098E356A6}

ShortName: SP.SPMigrationJobStatusCollection

Specifies a status collection of the migration job.

3.2.5.327.1 Properties

3.2.5.327.1.1 Scalar Properties

None.

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3.2.5.327.1.2 ObjectPath Properties

None.

3.2.5.327.2 Methods

3.2.5.327.2.1 Scalar Methods

None.

3.2.5.327.2.2 ObjectPath Methods

None.

3.2.5.328 Microsoft.SharePoint.Client.StorageMetrics

TypeId: {33C58B88-4AF3-4EF1-A310-6BA3EF255058}

ShortName: SP.StorageMetrics

Represents storage-related metrics.

3.2.5.328.1 Properties

3.2.5.328.1.1 Scalar Properties

3.2.5.328.1.1.1 LastModified

Type: **CSOM DateTime**

Accessibility: Read Only

Last modified date for all the items under the corresponding folder.

3.2.5.328.1.1.2 TotalFileCount

Type: **CSOM Int64**

Accessibility: Read Only

Aggregate number of files within the corresponding folder and its sub-folders. Excludes versions, list item attachments, and non-customized documents.

3.2.5.328.1.1.3 TotalFileStreamSize

Type: **CSOM Int64**

Accessibility: Read Only

Aggregate stream size in bytes for all files under the corresponding folder and its sub-folders. Excludes version, metadata, list item attachment, and non-customized document sizes.

3.2.5.328.1.1.4 TotalSize

Type: **CSOM Int64**

Accessibility: Read Only

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Aggregate of total sizes in bytes for all items under the corresponding folder and its sub-folders. Total size for a file/folder includes stream, version, and metadata sizes.

3.2.5.328.1.2 ObjectPath Properties

None.

3.2.5.328.2 Methods

3.2.5.328.2.1 Scalar Methods

None.

3.2.5.328.2.2 ObjectPath Methods

None.

3.2.5.329 Microsoft.SharePoint.Client.TenantAppInformation

TypeId: {52E6BC7D-825F-45B5-9F39-7A11723319DF}

ShortName: SP.TenantAppInformation

Specifies the information for the tenant-scoped app.

3.2.5.329.1 Properties

3.2.5.329.1.1 Scalar Properties

3.2.5.329.1.1.1 AppPrincipalId

Type: **CSOM String**

Accessibility: Read Only

Specifies the **OAuth** Id for the tenant-scoped app.

3.2.5.329.1.1.2 AppWebFullUrl

Type: **CSOM String**

Accessibility: Read Only

Specifies the web full **URL** for the tenant-scoped app.

3.2.5.329.1.1.3 CreationTime

Type: **CSOM DateTime**

Accessibility: Read Only

Specifies the creation time for the tenant-scoped app.

3.2.5.329.1.1.4 IconAbsoluteUrl

Type: **CSOM String**

Accessibility: Read Only

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Specifies the absolute icon **URL** for the tenant-scoped app.

3.2.5.329.1.1.5 IconFallbackAbsoluteUrl

Type: **CSOM String**

Accessibility: Read Only

Specifies the fallback icon **URL** for the tenant-scoped app.

3.2.5.329.1.1.6 Id

Type: **CSOM GUID**

Accessibility: Read Only

Specifies the identifier for the tenant-scoped app.

3.2.5.329.1.1.7 LaunchUrl

Type: **CSOM String**

Accessibility: Read Only

Specifies the launch **URL** for the tenant-scoped app.

3.2.5.329.1.1.8 PackageFingerprint

Type: **CSOM binary**

Accessibility: Read Only

Specifies the package fingerprint for the tenant-scoped app.

3.2.5.329.1.1.9 ProductId

Type: **CSOM GUID**

Accessibility: Read Only

Specifies the product ID for the tenant-scoped app.

3.2.5.329.1.1.10 RemoteAppUrl

Type: **CSOM String**

Accessibility: Read Only

Specifies the remote host URL for the tenant-scoped app.

3.2.5.329.1.1.11 Status

Type: Microsoft.SharePoint.Client.AppInstanceStatus

Accessibility: Read Only

Specifies the status for the tenant-scoped app.

3.2.5.329.1.1.12 Title

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Type: **CSOM String**

Accessibility: Read Only

Specifies the title for the tenant-scoped app.

3.2.5.329.1.2 ObjectPath Properties

None.

3.2.5.330 Microsoft.SharePoint.Client.TenantAppInstance

TypeId: {729F09B7-A266-4D40-8689-0A1490156244}

ShortName: SP.TenantAppInstance

Represents an instance of a tenant-scoped app for a given host web.

3.2.5.330.1 Properties

3.2.5.330.1.1 Scalar Properties

3.2.5.330.1.1.1 Id

Type: **CSOM GUID**

Accessibility: Read Only

Specifies the unique identifier of this instance.

3.2.5.330.1.1.2 SiteId

Type: **CSOM GUID**

Accessibility: Read Only

Specifies the identifier of the **site collection** that contains the **site (2)** where this instance is installed.

3.2.5.330.1.1.3 WebId

Type: **CSOM GUID**

Accessibility: Read Only

Specifies the identifier of the **site (2)** where this instance is installed.

3.2.5.330.1.2 ObjectPath Properties

None.

3.2.5.330.2 Methods

3.2.5.330.2.1 Scalar Methods

None.

3.2.5.330.2.2 ObjectPath Methods

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None.

3.2.5.331 Microsoft.SharePoint.Client.TenantAppUtility

TypeId: {A7E15A67-957E-459B-8903-E1E42FA52AB1}

ShortName: SP.TenantAppUtility

Specifies the tenant app related utility.

3.2.5.331.1 Properties

3.2.5.331.1.1 Scalar Properties

None.

3.2.5.331.1.2 ObjectPath Properties

None.

3.2.5.331.2 Methods

3.2.5.331.2.1 Scalar Methods

3.2.5.331.2.1.1 GetAppPermissionDescriptions

This method is a **static CSOM method**.

Return Type: **CSOM array** of **CSOM String**

Gets the app permissions for the tenant-scoped app.

Parameters:

web: The web in which the tenant-scoped app is deployed.

Type: Microsoft.SharePoint.Client.Web

tenantAppInstance: The instance for the tenant app.

Type: Microsoft.SharePoint.Client.TenantAppInstance

3.2.5.331.2.1.2 GetTenantAppInformationCollection

This method is a **static CSOM method**.

Return Type: **CSOM array** of Microsoft.SharePoint.Client.TenantAppInformation

Gets information of tenant-scoped apps of a site.

Parameters:

web: The web in which the tenant-scoped app is deployed.

Type: Microsoft.SharePoint.Client.Web

lcid: The locale that is supported by the tenant apps.

Type: **CSOM Int32**

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3.2.5.331.2.2 ObjectPath Methods

3.2.5.331.2.2.1 GetAppDetails

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Packaging.AppDetails

Gets the app details for the tenant-scoped app.

Parameters:

web: The web in which the tenant-scoped app is deployed.

Type: Microsoft.SharePoint.Client.Web

tenantAppInstance: The instance for the tenant app.

Type: Microsoft.SharePoint.Client.TenantAppInstance

3.2.5.331.2.2.2 GetAppIcon

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Packaging.AppIconInfo

Gets the icon information for the tenant scoped app.

Parameters:

web: The web in which the tenant-scoped app is deployed.

Type: Microsoft.SharePoint.Client.Web

appInstanceId: The app instance identifier.

Type: **CSOM GUID**

packageFingerprint: The app package fingerprint.

Type: **CSOM binary**

3.2.5.331.2.2.3 GetTenantAppInstance

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.TenantAppInstance

Gets the instance for the tenant-scoped app.

Parameters:

web: The web in which the tenant-scoped app is deployed.

Type: Microsoft.SharePoint.Client.Web

appInstance: The app instance identifier.

Type: **CSOM GUID**

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3.2.5.332 Microsoft.SharePoint.Client.TenantSettings

TypeId: {E9A11C41-0667-4C14-A4A5-E0D6CF67F6FA}

ShortName: SP.TenantSettings

Specifies the tenant properties.

3.2.5.332.1 Properties

3.2.5.332.1.1 Scalar Properties

3.2.5.332.1.1.1 CorporateCatalogUrl

Type: **CSOM String**

Accessibility: Read Only

Specifies the **URL** of the corporate catalog **site collection**.

3.2.5.332.1.2 ObjectPath Properties

3.2.5.332.1.2.1 Current

Type: Microsoft.SharePoint.Client.TenantSettings

Accessibility: Read Only

Specifies the current instance for the **SP.TenantSettings**.

3.2.5.332.2 Methods

3.2.5.332.2.1 Scalar Methods

None.

3.2.5.332.2.2 ObjectPath Methods

None.

3.2.5.333 Microsoft.SharePoint.Client.UserResource

TypeId: {2B2AFFEB-3CCD-4996-9864-211C960E647C}

ShortName: SP.UserResource

An object representing user-defined localizable resources.

3.2.5.333.1 Properties

3.2.5.333.1.1 Scalar Properties

None.

3.2.5.333.1.2 ObjectPath Properties

None.

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3.2.5.333.2 Methods

3.2.5.333.2.1 Scalar Methods

3.2.5.333.2.1.1 GetValueForUICulture

Return Type: **CSOM String**

Returns the value of the resource for the requested culture. This falls back to the value specified for the web's UI culture.

Parameters:

cultureName: The culture for which value is requested.

Type: CSOM String

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

Exceptions:

Error Code	Error Type Name	Condition
-2147024809	System.Globalization.CultureNotFoundException	*cultureName* doesn't correspond to a valid culture.

3.2.5.333.2.1.2 SetValueForUICulture

Return Type: None

Sets the value of the resource for the requested culture. This method throws an exception if the culture is not enabled for the web.

Parameters:

cultureName: The culture for which the value is specified.

Type: **CSOM String**

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

value: The value of the resource in the requested culture.

Type: CSOM String

Exceptions:

Error Code	Error Type Name	Condition
-2147024809	System.Globalization.CultureNotFoundException	*cultureName* doesn't correspond to a valid culture.

3.2.5.333.2.2 ObjectPath Methods

None.

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3.2.5.334 Microsoft.SharePoint.Client.UserResourceScope

ShortName: SP.UserResourceScope

Flag: false

The possible scopes for the SP.UserResource object.

3.2.5.334.1 Field Values

3.2.5.334.1.1 Web

Value: 0

Resources scoped to the SP.Web.

3.2.5.334.1.2 List

Value: 1

Resources scoped to the SP.List.

3.2.5.335 Microsoft.SharePoint.Client.UserResourceType

ShortName: SP.UserResourceType

Flag: false

The possible types for SP.UserResource strings. This can be either single-line, or multiline.

3.2.5.335.1 Field Values

3.2.5.335.1.1 SingleLine

Value: 0

Strings that have a width of less than 256 bytes.

3.2.5.335.1.2 MultiLine

Value: 1

Strings with a width of more than 256 bytes.

3.2.5.336 Microsoft.SharePoint.Client.UserSharingCapabilities

ShortName: SP.UserSharingCapabilities

Flag: true

Describes the types of sharing actions that a user can perform on a document.

3.2.5.336.1 Field Values

3.2.5.336.1.1 None

Value: 0

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The user cannot share.

3.2.5.336.1.2 CanShareInternally

Value: 1

The user can only share within the tenancy.

3.2.5.336.1.3 CanShareExternally

Value: 2

The user can share outside the tenancy by inviting external users.

3.2.5.336.1.4 CanUseReadonlyLink

Value: 4

The user can retrieve an **anonymous access link** that provides read access, if one has already been created. If one has not been created, the user cannot create one.

3.2.5.336.1.5 CanManageReadonlyLink

Value: 8

The user can retrieve an **anonymous access link** that provides read access, if one has already been created. If one has not been created, the user can create one.

3.2.5.336.1.6 CanUseReadWriteLink

Value: 16

The user can retrieve an **anonymous access link** that provides edit access, if one has already been created. If one has not been created, the user cannot create one.

3.2.5.336.1.7 CanManageReadWriteLink

Value: 32

The user can retrieve an **anonymous access link** that provides edit access, if one has already been created. If one has not been created, the user can create one.

3.2.5.336.1.8 CanUseOrganizationReadonlyLink

Value: 64

The user can retrieve an **organization access link** that provides read access, if one has already been created. If one has not been created, the user cannot create one.

3.2.5.336.1.9 CanManageOrganizationReadonlyLink

Value: 128

The user can retrieve an **organization access link** that provides read access, if one has already been created. If one has not been created, the user can create one.

3.2.5.336.1.10 CanUseOrganizationReadWriteLink

Value: 256

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The user can retrieve an **organization access link** that provides edit access, if one has already been created. If one has not been created, the user cannot create one.

3.2.5.336.1.11 CanManageOrganizationReadWriteLink

Value: 512

The user can retrieve an **organization access link** that provides edit access, if one has already been created. If one has not been created, the user can create one.

3.2.5.336.1.12 CanUsePeopleSharingReadonlyLink

Value: 1024

User can retrieve a **tokenized sharing link** that provides read access to a specified membership set, if one has already been created. If one has not been created, the user cannot create one.

3.2.5.336.1.13 CanManagePeopleSharingReadonlyLink

Value: 2048

User can retrieve a **tokenized sharing link** that provides read access to a specified membership set, if one has already been created. If one has not been created, the user can create one.

3.2.5.336.1.14 CanUsePeopleSharingReadWriteLink

Value: 4096

User can retrieve a **tokenized sharing link** that provides edit access to a specified membership set, if one has already been created. If one has not been created, the user cannot create one.

3.2.5.336.1.15 CanManagePeopleSharingReadWriteLink

Value: 8192

User can retrieve a **tokenized sharing link** that provides edit access to a specified membership set, if one has already been created. If one has not been created, the user can create one.

3.2.5.337 Microsoft.SharePoint.Client.Utilities.WopiProperties

TypeId: {690C6ECD-195F-4ED8-B282-04DFDA883845}

ShortName: SP.Utilities.WopiProperties

Do not use. For internal use only.

3.2.5.337.1 Properties

3.2.5.337.1.1 Scalar Properties

3.2.5.337.1.1.1 AccessToken

Type: **CSOM String**

Accessibility: Read Only

Do not use. For internal use only.

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3.2.5.337.1.1.2 AccessTokenTtl

Type: **CSOM Int64**

Accessibility: Read Only

Do not use. For internal use only.

3.2.5.337.1.1.3 AppIconUrl

Type: **CSOM String**

Accessibility: Read Only

Do not use. For internal use only.

3.2.5.337.1.1.4 ErrorMessageToDisplay

Type: **CSOM String**

Accessibility: Read Only

Do not use. For internal use only.

3.2.5.337.1.1.5 RedirectUrl

Type: **CSOM String**

Accessibility: Read Only

Do not use. For internal use only.

3.2.5.337.1.1.6 WebApplicationUrl

Type: **CSOM String**

Accessibility: Read Only

Do not use. For internal use only.

3.2.5.337.1.2 ObjectPath Properties

None.

3.2.5.337.2 Methods

3.2.5.337.2.1 Scalar Methods

None.

3.2.5.337.2.2 ObjectPath Methods

None.

3.2.5.338 Microsoft.SharePoint.Packaging.AppDetails

TypeId: {393DBB05-A6C5-4159-83A7-DD70055AD640}

ShortName: Microsoft.SharePoint.Packaging.AppDetails

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Specifies the detail properties for a **SharePoint Add-in**.

3.2.5.338.1 Properties

3.2.5.338.1.1 Scalar Properties

3.2.5.338.1.1.1 EulaUrl

Type: **CSOM String**

Accessibility: Read Only

Specifies the **URL** to get the **End User License Agreement (EULA)** information for the **SharePoint Add-in**.

3.2.5.338.1.1.2 PrivacyUrl

Type: **CSOM String**

Accessibility: Read Only

Specifies the **URL** of the privacy statement for the **SharePoint Add-in**.

3.2.5.338.1.1.3 Publisher

Type: **CSOM String**

Accessibility: Read Only

Specifies the publisher name for the **SharePoint Add-in**.

3.2.5.338.1.1.4 ShortDescription

Type: **CSOM String**

Accessibility: Read Only

Specifies a short description for the **SharePoint Add-in**.

3.2.5.338.1.1.5 SupportUrl

Type: **CSOM String**

Accessibility: Read Only

Specifies the **URL** of the support page for the **SharePoint Add-in**.

3.2.5.338.1.2 ObjectPath Properties

None.

3.2.5.338.2 Methods

3.2.5.338.2.1 Scalar Methods

None.

3.2.5.338.2.2 ObjectPath Methods

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None.

3.2.5.339 Microsoft.SharePoint.Packaging.AppIconInfo

TypeId: {A6A203A3-6F7D-4430-B8EB-830D1FDE4AE8}

ShortName: Microsoft.SharePoint.Packaging.AppIconInfo

Specifies the icon information for a **SharePoint Add-in**.

3.2.5.339.1 Properties

3.2.5.339.1.1 Scalar Properties

3.2.5.339.1.1.1 Content

Type: CSOM binary

Accessibility: Read Only

Specifies the byte array of the icon.

3.2.5.339.1.1.2 MimeType

Type: CSOM String

Accessibility: Read Only

Specifies the **MIME type** of the icon content.

3.2.5.339.1.2 ObjectPath Properties

None.

3.2.5.339.2 Methods

3.2.5.339.2.1 Scalar Methods

None.

3.2.5.339.2.2 ObjectPath Methods

None.

3.2.5.340 Microsoft.SharePoint.WebControls.ModuleLink

TypeId: {6585CBBD-FB91-45E7-B687-08D8CD8FF94C}

ShortName: Microsoft.SharePoint.WebControls.ModuleLink

Takes a set of Asynchronous module definition (AMD) modules described in a resource manifest file, and generates the AMD loader configuration needed to link modules to the page.

3.2.5.340.1 Properties

3.2.5.340.1.1 Scalar Properties

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None.

3.2.5.340.1.2 ObjectPath Properties

None.

3.2.5.340.2 Methods

3.2.5.340.2.1 Scalar Methods

None.

3.2.5.340.2.2 ObjectPath Methods

3.2.5.340.2.2.1 GetResourceManifestInformation

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.WebControls.ResourceManifestInformation

Gets the information for a resource manifest file.

Parameters:

web: The **site (2)** for retrieving the resource manifest file.

Type: Microsoft.SharePoint.Client.Web

manifestName: Specifies the resource manifest name.

Type: **CSOM String**

3.2.5.341 Microsoft.SharePoint.WebControls.ResourceManifestInformation

TypeId: {4FAA3FED-379C-4F9F-B0C7-FE0451DDAB7E}

ShortName: Microsoft.SharePoint.WebControls.ResourceManifestInformation

Represents the information for a resource manifest file.

3.2.5.341.1 Properties

3.2.5.341.1.1 Scalar Properties

3.2.5.341.1.1.1 RequireJsScriptBlock

Type: **CSOM String**

Accessibility: Read Only

Literal script for client to configure the Asynchronous module definition (AMD) loader.

3.2.5.341.1.1.2 ScenarioMapping

Type: **CSOM dictionary**

Accessibility: Read Only

Maps scenario name to comma-delimited list of Asynchronous module definition (AMD) module IDs.

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3.2.5.341.1.2 ObjectPath Properties

None.

3.2.5.341.2 Methods

3.2.5.341.2.1 Scalar Methods

None.

3.2.5.341.2.2 ObjectPath Methods

None.

3.2.5.342 Microsoft.SharePoint.Client.RecycleBinOrderBy

ShortName: SP.RecycleBinOrderBy

Flag: false

Specifies the column for which to order a Recycle Bin query.

3.2.5.342.1 Field Values

3.2.5.342.1.1 Min

Value: 0

Order by minimum size.

3.2.5.342.1.2 DefaultOrderBy

Value: 0

Use default order.

3.2.5.342.1.3 Title

Value: 0

Name column.

3.2.5.342.1.4 DirName

Value: 1

Original Location column.

3.2.5.342.1.5 Author

Value: 2

Created By column.

3.2.5.342.1.6 DeletedDate

Value: 3

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Order by the Deleted column, which specifies the date that the **Recycle Bin item** was deleted.

3.2.5.342.1.7 Size

Value: 4

Size column.

3.2.5.342.1.8 DeletedBy

Value: 5

Deleted By column.

3.2.5.342.1.9 None

Value: 6

Ordering is not enforced. Can be used only for SPRecycleBinItemCollectionPosition.FirstPage.

3.2.5.342.1.10 Max

Value: 6

Order by maximum size.

3.2.5.343 Microsoft.SharePoint.Client.Sharing.RemoveItemsFromSharedWithMeViewErrorCode

ShortName: SP.Sharing.RemoveItemsFromSharedWithMeViewErrorCode

Flag: false

An error code representing what went wrong during the removal of an item from the 'Shared With Me' view.

3.2.5.343.1 Field Values

3.2.5.343.1.1 Success

Value: 0

Operation was successful without any errors.

3.2.5.343.1.2 InvalidListItem

Value: -1

Item URL was empty or null or couldn't find the list item specified by the URL.

3.2.5.343.1.3 InvalidItemSharing

Value: -2

List item does not contain valid sharing information or item is not shared with current user.

3.2.5.343.1.4 UnableToRemoveItem

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Value: -3

Operation failed due to an unknown error.

3.2.5.344 Microsoft.SharePoint.Client.Sharing.SharedWithMeViewItemRemovalResult

TypeId: {418572C1-2347-4190-90BD-30A19A251C11}

ShortName: SP.Sharing.SharedWithMeViewItemRemovalResult

An object that contains the result of calling the API to remove an item from a user's 'Shared With Me' view.

3.2.5.344.1 Properties

3.2.5.344.1.1 Scalar Properties

3.2.5.344.1.1.1 ErrorCode

Type: Microsoft.SharePoint.Client.Sharing.RemoveItemsFromSharedWithMeViewErrorCode

Accessibility: Read Only

Error code if the operation was not successful.

3.2.5.344.1.1.2 ErrorMessage

Type: **CSOM String**

Accessibility: Read Only

Description of the error that happened if the operation was not successful.

3.2.5.344.1.1.3 Success

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether the overall operation succeeded.

3.2.5.344.1.2 ObjectPath Properties

None.

3.2.5.345 Microsoft.SharePoint.ClientSideComponent.SPClientSideComponentQueryResult

TypeId: {AAB91EFE-8E87-4B0F-8DCB-51F556F9AC01}

ShortName: Microsoft.SharePoint.ClientSideComponent.SPClientSideComponentQueryResult

This object contains information about the requested component and the status of the query that was used to retrieve the component.

3.2.5.345.1 Properties

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3.2.5.345.1.1 Scalar Properties

3.2.5.345.1.1.1 ComponentType

Type: Microsoft.SharePoint.ClientSideComponent.SPClientSideComponentType

Accessibility: Read/Write

Specifies the type of component. See section 3.2.5.347 for more information.

3.2.5.345.1.1.2 Id

Type: **CSOM String**

Accessibility: Read/Write

The unique identifier of a component. It MUST be a valid **GUID** string.

3.2.5.345.1.1.3 Manifest

Type: **CSOM String**

Accessibility: Read/Write

The manifest of a component.

3.2.5.345.1.1.4 ManifestType

Type: Microsoft.SharePoint.ClientSideComponent.SPClientSideManifestType

Accessibility: Read/Write

Specifies the type of the manifest. The manifest type MUST be Unknown or Component.

3.2.5.345.1.1.5 Name

Type: **CSOM String**

Accessibility: Read/Write

The name of the component.

3.2.5.345.1.1.6 Status

Type: Microsoft.SharePoint.ClientSideComponent.SPClientSideQueryStatus

Accessibility: Read/Write

Specifies the result of the query used to retrieve components.

3.2.5.345.1.2 ObjectPath Properties

None.

3.2.5.346 Microsoft.SharePoint.ClientSideComponent.SPClientSideComponentType

ShortName: Microsoft.SharePoint.ClientSideComponent.SPClientSideComponentType

Flag: false

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Describes the requested component's type.

3.2.5.346.1 Field Values

3.2.5.346.1.1 Unknown

Value: 0

Specifies an unknown component type.

3.2.5.346.1.2 WebPart

Value: 1

Specifies a client-side web part.

3.2.5.346.1.3 Application

Value: 2

Specifies the application responsible for hosting webparts.

3.2.5.346.1.4 Library

Value: 3

Specifies a library of reusable JavaScript code and resources.

3.2.5.346.1.5 Extension

Value: 4

Specifies a client-side extension, which is a plug-in component that customizes or augments the functionality of a client-side application.

3.2.5.347 Microsoft.SharePoint.ClientSideComponent.SPClientSideManifestType

ShortName: Microsoft.SharePoint.ClientSideComponent.SPClientSideManifestType

Flag: false

Specifies the manifest type.

3.2.5.347.1 Field Values

3.2.5.347.1.1 Unknown

Value: 0

Specifies an unknown manifest type.

3.2.5.347.1.2 Component

Value: 1

Specifies a component type manifest.

3.2.5.347.1.3 Container

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Value: 2

Specifies a container type manifest.

3.2.5.348 Microsoft.SharePoint.ClientSideComponent.SPClientSideQueryStatus

ShortName: Microsoft.SharePoint.ClientSideComponent.SPClientSideQueryStatus

Flag: false

Specifies the status of a query to retrieve SPClientSideComponentQueryResult (section 3.2.5.345).

3.2.5.348.1 Field Values

3.2.5.348.1.1 Success

Value: 0

The component was found with no errors.

3.2.5.348.1.2 ErrorNotFound

Value: 1

The component was not found.

3.2.5.348.1.3 ErrorDisabled

Value: 2

The component was found but disabled.

3.2.5.348.1.4 ErrorInvalidManifest

Value: 3

The component was found but had an invalid manifest.

3.2.5.348.1.5 ErrorCustomScriptDisabled

Value: 4

The component was not retrieved because custom scripts are disabled on the **Site (2)** .

3.2.5.348.1.6 ErrorFeatureNotEnabled

Value: 5

The component was not retrieved because an associated **feature** is not enabled on the **Site (2)**.

3.2.5.349 Microsoft.SharePoint.Activities.ActivityCapabilities

TypeId: {9B700F82-8575-4600-9A6C-EBDB2F7F2759}

ShortName: Microsoft.SharePoint.Activities.ActivityCapabilities

Microsoft.SharePoint.Activities.ActivityCapabilities is not applicable.<240>

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3.2.5.349.1 Properties

3.2.5.349.1.1 Scalar Properties

None.

3.2.5.349.1.2 ObjectPath Properties

None.

3.2.5.350 Microsoft.SharePoint.Activities.ActivityClientIdentity

TypeId: {4B113A1C-620E-491A-8DFB-882B22516AC1}

ShortName: Microsoft.SharePoint.Activities.ActivityClientIdentity

Microsoft.SharePoint.Activities.ActivityClientIdentity is not applicable.<241>

3.2.5.350.1 Properties

3.2.5.350.1.1 Scalar Properties

None.

3.2.5.350.1.2 ObjectPath Properties

None.

3.2.5.351 Microsoft.SharePoint.Activities.ActivityClientRequest

TypeId: {65927107-94A9-49B6-AD5C-ED3661B580EB}

ShortName: Microsoft.SharePoint.Activities.ActivityClientRequest

Microsoft.SharePoint.Activities.ActivityClientRequest is not applicable.<242>

3.2.5.351.1 Properties

3.2.5.351.1.1 Scalar Properties

None.

3.2.5.351.1.2 ObjectPath Properties

None.

3.2.5.352 Microsoft.SharePoint.Activities.ActivityClientResponse

TypeId: {3356F279-C9C6-430D-AF57-8126E82B8BC5}

ShortName: Microsoft.SharePoint.Activities.ActivityClientResponse

Microsoft.SharePoint.Activities.ActivityClientResponse is not applicable.<243>

3.2.5.352.1 Properties

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3.2.5.352.1.1 Scalar Properties

None.

3.2.5.352.1.2 ObjectPath Properties

None.

3.2.5.353 Microsoft.SharePoint.Activities.CommentFacet

TypeId: {35CC064A-D3D3-4E79-BF4E-6EC85437AE70}

ShortName: Microsoft.SharePoint.Activities.CommentFacet

Microsoft.SharePoint.Activities.CommentFacet is not applicable.<244>

3.2.5.353.1 Properties

3.2.5.353.1.1 Scalar Properties

3.2.5.353.1.1.1 commentText

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the comment text.

3.2.5.353.1.1.2 parentAuthor

Type: Microsoft.SharePoint.Activities.ActivityClientIdentity

Accessibility: Read/Write

Gets or sets the parent author.

3.2.5.353.1.2 ObjectPath Properties

None.

3.2.5.354 Microsoft.SharePoint.Activities.MentionFacet

TypeId: {D4B454B0-FA53-4C71-A34B-E349EDA5ED1D}

ShortName: Microsoft.SharePoint.Activities.MentionFacet

A class representing an "at mention" (sometimes refered to as @mention) facet<245>

3.2.5.354.1 Properties

3.2.5.354.1.1 Scalar Properties

None.

3.2.5.354.1.2 ObjectPath Properties

None.

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3.2.5.355 Microsoft.SharePoint.Activities.RevisionInfo

TypeId: {93DC3A83-4670-4222-89BB-219F0280D1B9}

ShortName: Microsoft.SharePoint.Activities.RevisionInfo

A class representing information about a revision.<246>

3.2.5.355.1 Properties

3.2.5.355.1.1 Scalar Properties

None.

3.2.5.355.1.2 ObjectPath Properties

None.

3.2.5.356 Microsoft.SharePoint.Activities.RevisionSetFacet

TypeId: {A0E5DE75-4D0A-40EC-A5B3-A150696207D9}

ShortName: Microsoft.SharePoint.Activities.RevisionSetFacet

A class representing RevisionSet facet.<247>

3.2.5.356.1 Properties

3.2.5.356.1.1 Scalar Properties

None.

3.2.5.356.1.2 ObjectPath Properties

None.

3.2.5.357 Microsoft.SharePoint.Activities.SPActivityEntitySet

TypeId: {073124B3-2993-4C09-9289-D3ADEFB93B87}

ShortName: Microsoft.SharePoint.Activities.SPActivityEntitySet

Microsoft.SharePoint.Activities.SPActivityEntitySet is not applicable.<248>

3.2.5.357.1 Properties

3.2.5.357.1.1 Scalar Properties

None.

3.2.5.357.1.2 ObjectPath Properties

None.

3.2.5.357.2 Methods

3.2.5.357.2.1 Scalar Methods

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None.

3.2.5.357.2.2 ObjectPath Methods

None.

3.2.5.358 Microsoft.SharePoint.Activities.SPActivityResponseStatus

ShortName: Microsoft.SharePoint.Activities.SPActivityResponseStatus

Flag: false

Microsoft.SharePoint.Activities.SPActivityResponseStatus enumeration is not applicable.<249>

3.2.5.358.1 Field Values

None.

3.2.5.359 Microsoft.SharePoint.Administration.AppSource

ShortName: Microsoft.SharePoint.Administration.AppSource

Flag: false

The source of the App package.

3.2.5.359.1 Field Values

3.2.5.359.1.1 InvalidSource

Value: 0

This value indicates an internal product error, and SHOULD NOT occur in usage.

3.2.5.359.1.2 Marketplace

Value: 1

Indicates that the App was installed off the Marketplace.

3.2.5.359.1.3 CorporateCatalog

Value: 2

Indicates that the App came from the corporate gallery.

3.2.5.359.1.4 DeveloperSite

Value: 3

Indicates that the App came from the Developer Site.

3.2.5.359.1.5 ObjectModel

Value: 4

Indicates that the App was loaded via OM.

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3.2.5.359.1.6 RemoteObjectModel

Value: 5

Indicates that the App was uploaded via CSOM.

3.2.5.359.1.7 SiteCollectionCorporateCatalog

Value: 6

Indicates that the App came from a site collection corporate gallery.

3.2.5.360 Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.PeoplePickerQuerySettings

TypeId: {836910B9-5DD8-4CDB-9863-4E7154DE92D2}

ShortName: SP.UI.ApplicationPages.PeoplePickerQuerySettings

Represents additional settings for the **principal** query.

3.2.5.360.1 Properties

3.2.5.360.1.1 Scalar Properties

3.2.5.360.1.1.1 ExcludeAllUsersOnTenantClaim

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether the all users on tenant claim provider is excluded or not from the **principal** query.

3.2.5.360.1.1.2 IsSharing

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies if the **principal** query is for sharing scenario or not.

3.2.5.360.1.2 ObjectPath Properties

None.

3.2.5.361 Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.PickerEntityInformation

TypeId: {2285517C-0162-4825-B2DD-87469EAE3085}

ShortName: SP.UI.ApplicationPages.PickerEntityInformation

Represents additional information about the **principal**.

3.2.5.361.1 Properties

3.2.5.361.1.1 Scalar Properties

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3.2.5.361.1.1.1 Entity

Type: Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.PickerEntityInformationRequest

Accessibility: Read Only

The **principal** for which information is being requested.

3.2.5.361.1.1.2 TotalMemberCount

Type: **CSOM Int32**

Accessibility: Read Only

The count of members in a group. Valid when the **principal** is a SharePoint group or a **security group**.

3.2.5.361.1.2 ObjectPath Properties

None.

3.2.5.361.2 Methods

3.2.5.361.2.1 Scalar Methods

None.

3.2.5.361.2.2 ObjectPath Methods

None.

3.2.5.362 Microsoft.SharePoint.ApplicationPages.ClientPickerQuery.PickerEntityInformationRequest

TypeId: {892C6B6A-8E53-4E91-8957-67846F7545E8}

ShortName: SP.UI.ApplicationPages.PickerEntityInformationRequest

Represents a request for **GetPickerEntityInformation** (section 3.2.5.223.2.2.1)

3.2.5.362.1 Properties

3.2.5.362.1.1 Scalar Properties

3.2.5.362.1.1.1 EmailAddress

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the email address of the **principal**.

3.2.5.362.1.1.2 GroupId

Type: **CSOM Int32**

Accessibility: Read/Write

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Gets or sets the SharePoint group Id.

3.2.5.362.1.1.3 Key

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the identifier of the **principal**.

3.2.5.362.1.1.4 PrincipalType

Type: Microsoft.SharePoint.Client.Utilities.PrincipalType

Accessibility: Read/Write

Gets or sets the type of the **principal**.

3.2.5.362.1.2 ObjectPath Properties

None.

3.2.5.363 Microsoft.SharePoint.Client.Alert

TypeId: {004DAA6C-ACC5-48FC-877A-2604A2CB3358}

ShortName: SP.Alert

Represents an alert, which generates periodic e-mail notifications sent to a user about the list, list item, document, or document library to which the alert applies. SP.Alert provides information about the alert, such as which alert template is used, the alert frequency, and the UserID of the user who created the alert.

The AlertTime, ItemID, ListID and ListUrl properties are not included in the **default scalar property set** for this type.

3.2.5.363.1 Properties

3.2.5.363.1.1 Scalar Properties

3.2.5.363.1.1.1 AlertFrequency

Type: Microsoft.SharePoint.Client.AlertFrequency

Accessibility: Read/Write

Gets or sets the time interval for sending the alert.

3.2.5.363.1.1.2 AlertTemplateName

Type: **CSOM String**

Accessibility: Read Only

Gets the string representing the alert template name.

3.2.5.363.1.1.3 AlertTime

Type: **CSOM DateTime**

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Accessibility: Read/Write

Gets or sets the date and time for sending the alert.

3.2.5.363.1.1.4 AlertType

Type: Microsoft.SharePoint.Client.AlertType

Accessibility: Read Only

Gets the type of object to which the alert applies, which can be a list or document library, a list item or document, or a custom object.

3.2.5.363.1.1.5 AlwaysNotify

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that causes daily and weekly alerts to trigger, even if there is no matching event.

3.2.5.363.1.1.6 DeliveryChannels

Type: Microsoft.SharePoint.Client.AlertDeliveryChannel

Accessibility: Read/Write

The DeliveryChannels of the alert, could be any combination of Email, Sms.

3.2.5.363.1.1.7 EventType

Type: Microsoft.SharePoint.Client.AlertEventType

Accessibility: Read/Write

Gets or sets the type of event to which the alert applies.

3.2.5.363.1.1.8 Filter

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the syntax query in Collaborative Application Markup Language (CAML) for a filter to apply to the alert.

3.2.5.363.1.1.9 ID

Type: **CSOM GUID**

Accessibility: Read Only

Gets the GUID that identifies the alert.

3.2.5.363.1.1.10 ItemID

Type: **CSOM Int32**

Accessibility: Read Only

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Gets the integer that identifies the list item or document to which an alert applies in the parent collection of list items.

3.2.5.363.1.1.11 ListID

Type: **CSOM GUID**

Accessibility: Read Only

Gets the GUID of the list or document library to which the alert applies.

3.2.5.363.1.1.12 ListUrl

Type: **CSOM String**

Accessibility: Read Only

Gets the site-relative URL of the list to which the alert applies.

3.2.5.363.1.1.13 Properties

Type: **CSOM dictionary**

Accessibility: Read Only

Properties is of type SPPropertyBag which inherits from StringDictionary. This new property is meant to allow access to the property bag via CSOM.

3.2.5.363.1.1.14 Status

Type: Microsoft.SharePoint.Client.AlertStatus

Accessibility: Read/Write

Gets or sets the status of the alert.

3.2.5.363.1.1.15 Title

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the title of the alert as displayed in the user interface.

3.2.5.363.1.1.16 UserId

Type: **CSOM Int32**

Accessibility: Read Only

Gets the ID of the user who created the alert.

3.2.5.363.1.2 ObjectPath Properties

3.2.5.363.1.2.1 AllProperties

Type: Microsoft.SharePoint.Client.PropertyValues

Accessibility: Read Only

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Gets a collection of all the properties for the alert.

3.2.5.363.1.2.2 Item

Type: Microsoft.SharePoint.Client.ListItem

Accessibility: Read Only

Gets the list item or document to which the alert applies.

3.2.5.363.1.2.3 List

Type: Microsoft.SharePoint.Client.List

Accessibility: Read Only

Gets the list or document library to which the alert applies.

3.2.5.363.1.2.4 User

Type: Microsoft.SharePoint.Client.User

Accessibility: Read Only

Gets a user object representing the user who created the alert.

3.2.5.363.2 Methods

3.2.5.363.2.1 Scalar Methods

3.2.5.363.2.1.1 UpdateAlert

Return Type: None

Commits the changes to the the alert properties in the database.

Parameters: None

3.2.5.363.2.2 ObjectPath Methods

None.

3.2.5.364 Microsoft.SharePoint.Client.AlertCollection

TypeId: {86531F9B-B741-453D-96FC-5F05F038000A}

ShortName: SP.AlertCollection

Represents a collection of SP.Alert objects. The SP.AlertCollection is available as a property of either SP.Web or SP.User.

3.2.5.364.1 Properties

3.2.5.364.1.1 Scalar Properties

None.

3.2.5.364.1.2 ObjectPath Properties

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None.

3.2.5.364.2 Methods

3.2.5.364.2.1 Scalar Methods

3.2.5.364.2.1.1 Add

Return Type: CSOM GUID

Add an SP.Alert to SP.AlertCollection based on the given alertCreationInformation

Parameters:

alertCreationInformation: Contains the properties used to create a new SP.Alert.

Type: Microsoft.SharePoint.Client.AlertCreationInformation

It MUST NOT be NULL.

3.2.5.364.2.1.2 Contains

Return Type: CSOM Boolean

Returns true if the given alert exists in the alert collection. False otherwise.

Parameters:

idAlert: The Id of the alert to search.

Type: **CSOM GUID**

3.2.5.364.2.1.3 DeleteAlert

Return Type: None

Deletes the given alert.

Parameters:

idAlert: The Id of the alert to delete.

Type: **CSOM GUID**

3.2.5.364.2.1.4 DeleteAlertAtIndex

Return Type: None

Deletes the alert based on the given index.

Parameters:

index: A 32-bit integer that is greater than or equal to 0 and less than the count of the alert in the collection. Specifies the index of the alert in the collection.

Type: **CSOM Int32**

3.2.5.364.2.2 ObjectPath Methods

3.2.5.364.2.2.1 GetById

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Return Type: Microsoft.SharePoint.Client.Alert

Gets an alert based on the Id.

Parameters:

idAlert: The Id of the alert to get.

Type: **CSOM GUID**

3.2.5.365 Microsoft.SharePoint.Client.AlertCreationInformation

TypeId: {F0C12E8E-54F5-4E31-B015-F4F824EEA024}

ShortName: SP.AlertCreationInformation

An object that contain the properties used to create a new SP.Alert

3.2.5.365.1 Properties

3.2.5.365.1.1 Scalar Properties

3.2.5.365.1.1.1 AlertFrequency

Type: Microsoft.SharePoint.Client.AlertFrequency

Accessibility: Read/Write

Gets or sets the time interval for sending the alert.

3.2.5.365.1.1.2 AlertTemplateName

Type: CSOM String

Accessibility: Read/Write

Gets or sets the name of the alert template.

3.2.5.365.1.1.3 AlertTime

Type: CSOM DateTime

Accessibility: Read/Write

Gets or sets the time the alert triggers.

3.2.5.365.1.1.4 AlertType

Type: Microsoft.SharePoint.Client.AlertType

Accessibility: Read/Write

Gets or sets the alert type.

3.2.5.365.1.1.5 AlwaysNotify

Type: CSOM Boolean

Accessibility: Read/Write

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Gets or sets whether to notify.

3.2.5.365.1.1.6 DeliveryChannels

Type: Microsoft.SharePoint.Client.AlertDeliveryChannel

Accessibility: Read/Write

Gets or sets the delivery channel.

3.2.5.365.1.1.7 EventType

Type: Microsoft.SharePoint.Client.AlertEventType

Accessibility: Read/Write

Gets or sets the event type to alert on.

3.2.5.365.1.1.8 EventTypeBitmask

Type: **CSOM Int32**

Accessibility: Read/Write

Gets or sets the event type bit mask.

3.2.5.365.1.1.9 Filter

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the syntax query in Collaborative Application Markup Language (CAML) for a filter to apply to the alert.

3.2.5.365.1.1.10 Properties

Type: **CSOM dictionary**

Accessibility: Read/Write

Gets or sets additional alert properties.

3.2.5.365.1.1.11 Status

Type: Microsoft.SharePoint.Client.AlertStatus

Accessibility: Read/Write

Gets or sets the alert status.

3.2.5.365.1.1.12 Title

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets the alert title.

3.2.5.365.1.2 ObjectPath Properties

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3.2.5.365.1.2.1 Item

Type: Microsoft.SharePoint.Client.ListItem

Accessibility: Read/Write

Gets or sets the path of the object to alert on.

3.2.5.365.1.2.2 List

Type: Microsoft.SharePoint.Client.List

Accessibility: Read/Write

Gets or sets the Sharepoint list the alert is in.

3.2.5.365.1.2.3 User

Type: Microsoft.SharePoint.Client.User

Accessibility: Read/Write

Gets or sets the user that owns the alert.

It MUST NOT be NULL.

3.2.5.366 Microsoft.SharePoint.Client.AlertDeliveryChannel

ShortName: SP.AlertDeliveryChannel

Flag: false

Gets or sets the delivery channel.

3.2.5.366.1 Field Values

3.2.5.366.1.1 Email

Value: 1

Send the alert via email.

3.2.5.366.1.2 Sms

Value: 2

Send the alert via Sms text.

3.2.5.367 Microsoft.SharePoint.Client.AlertEventType

ShortName: SP.AlertEventType

Flag: false

Specifies the type of event for a list, list item, document, or document library to which an alert responds.

3.2.5.367.1 Field Values

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3.2.5.367.1.1 AddObject

Value: 1

Additions to the list or list item.

3.2.5.367.1.2 ModifyObject

Value: 2

All changes made in a list or list item.

3.2.5.367.1.3 DeleteObject

Value: 4

Deletion of a list or list item.

3.2.5.367.1.4 Discussion

Value: 4080

Changes in Web discussions.

3.2.5.367.1.5 All

Value: -1

All events pertaining to the list or list item.

3.2.5.368 Microsoft.SharePoint.Client.AlertFrequency

ShortName: SP.AlertFrequency

Flag: false

The SP.AlertFrequency enumeration specifies the time interval for sending an alert about changes to a specific list, list item, document library, or document.

3.2.5.368.1 Field Values

3.2.5.368.1.1 Immediate

Value: 0

Send immediately when the list or list item changes.

3.2.5.368.1.2 Daily

Value: 1

Send daily.

3.2.5.368.1.3 Weekly

Value: 2

Send weekly.

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3.2.5.369 Microsoft.SharePoint.Client.AlertStatus

ShortName: SP.AlertStatus

Flag: false

Specifies the status of an alert.

3.2.5.369.1 Field Values

3.2.5.369.1.1 On

Value: 0

The alert is implemented.

3.2.5.369.1.2 Off

Value: 1

The alert is not implemented.

3.2.5.369.1.3 Error

Value: 2

The alert is not functional.

3.2.5.370 Microsoft.SharePoint.Client.AlertType

ShortName: SP.AlertType

Flag: false

Specifies the type of item that an alert applies to.

3.2.5.370.1 Field Values

3.2.5.370.1.1 List

Value: 0

Applies to a list.

3.2.5.370.1.2 Item

Value: 1

Applies to a list item.

3.2.5.370.1.3 Custom

Value: 2

Applies to a custom object.

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3.2.5.371 Microsoft.SharePoint.Client.AnonymousLinkType

ShortName: SP.AnonymousLinkType

Flag: false

Indicates whether an anonymous link (also known as share-by-link) is included in an invitation, and if so, what permissions are granted via that link. The anonymous link will be created once the invitation is created.

3.2.5.371.1 Field Values

3.2.5.371.1.1 None

Value: 0

No anonymous link is included.

3.2.5.371.1.2 View

Value: 1

A view only anonymous link is included.

3.2.5.371.1.3 Edit

Value: 2

A view/edit anonymous link is included.

3.2.5.372 Microsoft.SharePoint.Client.APIHubConnector

TypeId: {95A3C720-F6C5-4979-80AD-42EE585CE0D0}

ShortName: SP.APIHubConnector

Contains operations used in SharePoint connector serving Flow, PowerApps and LogicApps services.

3.2.5.372.1 Properties

3.2.5.372.1.1 Scalar Properties

None.

3.2.5.372.1.2 ObjectPath Properties

None.

3.2.5.372.2 Methods

3.2.5.372.2.1 Scalar Methods

None.

3.2.5.372.2.2 ObjectPath Methods

3.2.5.372.2.2.1 CreateListItem

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This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ConnectorResult

Creates a list item in the list.

Parameters:

listName: List title or ID

Type: **CSOM String**

itemData: JSON representation of the new item.

Type: CSOM String

3.2.5.372.2.2.2 DeleteListItem

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ConnectorResult

Deletes an item in the list.

Parameters:

listName: List title or ID

Type: **CSOM String**

itemId: List item ID.

Type: CSOM String

3.2.5.372.2.2.3 GetDeletedListItems

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ConnectorResult

Returns deleted items in the list.

Parameters:

listName: List title or ID.

Type: **CSOM String**

folderPath: Optional path of the folder to limit the scope of operation.

Type: Microsoft.SharePoint.Client.ResourcePath

referrer: URL of the original request to the connector.

Type: CSOM String

callback: URL for webhook subscription.

Type: CSOM String

3.2.5.372.2.2.4 GetEntities

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This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ConnectorResult

Returns a list of fields of certain type in the list.

Parameters:

listName: List title or ID

Type: **CSOM String**

entityType: Type of fields to return.

Type: CSOM String

3.2.5.372.2.2.5 GetEntityValues

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ConnectorResult

Returns a list of reference choices for a reference-based field.

Parameters:

listName: List title or ID.

Type: **CSOM String**

fieldId: ID of the reference-based field.

Type: CSOM String

queryOptions: Query options to be applied to reference choices.

Type: CSOM String

Only supports $search option

3.2.5.372.2.2.6 GetListItem

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ConnectorResult

Returns item data for the list item.

Parameters:

listName: List title or ID.

Type: **CSOM String**

itemId: List item ID

Type: CSOM String

3.2.5.372.2.2.7 GetListItems

This method is a **static CSOM method**.

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Return Type: Microsoft.SharePoint.Client.ConnectorResult

Returns a list of items in the list.

Parameters:

listName: List title or ID.

Type: **CSOM String**

queryOptions: Query options to be applied to list items query.

Type: CSOM String

3.2.5.372.2.2.8 GetNewListItems

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ConnectorResult

Returns created items in the list.

Parameters:

listName: List title or ID.

Type: **CSOM String**

folderPath: Optional path of the folder to limit the scope of operation.

Type: Microsoft.SharePoint.Client.ResourcePath

referrer: URL of the original request to the connector.

Type: CSOM String

callback: URL for webhook subscription.

Type: CSOM String

3.2.5.372.2.2.9 GetTableMetadata

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ConnectorResult

Returns list schema.

Parameters:

listName: List title or ID

Type: **CSOM String**

3.2.5.372.2.2.10 GetTables

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ConnectorResult

Returns supported lists.

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Parameters: None

3.2.5.372.2.2.11 GetUpdatedListItems

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ConnectorResult

Returns created or modified items in the list.

Parameters:

listName: List title or ID.

Type: **CSOM String**

folderPath: Optional path of the folder to limit the scope of operation.

Type: Microsoft.SharePoint.Client.ResourcePath

referrer: URL of the original request to the connector

Type: CSOM String

callback: URL for webhook subscription.

Type: CSOM String

3.2.5.372.2.2.12 ResolveEntityValue

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ConnectorResult

Returns a single reference choice for a reference-based field.

Parameters:

listName: List title or ID.

Type: **CSOM String**

fieldId: ID of the reference-based field.

Type: CSOM String

queryOptions: Query options to be applied to reference choices.

Type: CSOM String

Only supports $search option

3.2.5.372.2.2.13 SetApprovalStatus

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ConnectorResult

Sets the moderation status on a list item.

Parameters:

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listName: This is the title or ID of the list which contains the item whose moderation status is being set.

Type: **CSOM String**

itemId: This is the ID of the list item whose moderation status is being set.

Type: CSOM String

action: This is the action (Approve, Reject or Submit) that can be taken on the list item.

Type: CSOM String

comments: These are the comments that can be optionally set while submitting an item for approval, approving, or rejecting an item.

Type: CSOM String

etag: ETag of the file attached to the list item which is the unique tag that is passed in while approving the item to ensure that the latest version is being approved or rejected.

Type: CSOM String

3.2.5.372.2.2.14 UpdateListItem

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ConnectorResult

Updates list item data.

Parameters:

listName: List title or ID.

Type: **CSOM String**

itemId: List item ID.

Type: CSOM String

itemData: JSON representation of the updated item.

Type: CSOM String

3.2.5.373 Microsoft.SharePoint.Client.AppProperties

TypeId: {45493869-65A1-4B1E-A159-C7B32EB57794}

ShortName: SP.AppProperties

Contains properties relevant to a given app.

3.2.5.373.1 Properties

3.2.5.373.1.1 Scalar Properties

3.2.5.373.1.1.1 AppSettingsEnabled

Type: **CSOM Boolean**

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Accessibility: Read Only

Returns true if a settings link is enabled.

3.2.5.373.1.1.2 Description

Type: **CSOM String**

Accessibility: Read Only

A description of the app.

3.2.5.373.1.1.3 EulaUrl

Type: **CSOM String**

Accessibility: Read Only

A path to the EULA for the app.

3.2.5.373.1.1.4 IsAnonymous

Type: **CSOM Boolean**

Accessibility: Read Only

True if the user is not authenticated.

3.2.5.373.1.1.5 IsDisabled

Type: **CSOM Boolean**

Accessibility: Read Only

True if the app is disabled.

3.2.5.373.1.1.6 ManagedDeploymentEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

True is the app deployment is managed.

3.2.5.373.1.1.7 ManagePermissionsEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

True if user can manage the app permissions.

3.2.5.373.1.1.8 ManageSeatsEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

True if the user is able to manage the license seats.

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3.2.5.373.1.1.9 MonitoringEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

True is app analytics data is available.

3.2.5.373.1.1.10 Publisher

Type: **CSOM String**

Accessibility: Read Only

The publisher of the app.

3.2.5.373.1.1.11 RemoveEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

Whether the user can remove the app.

3.2.5.373.1.1.12 SideLoadEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

True if app can be sideloaded.

3.2.5.373.1.1.13 SupportUrl

Type: **CSOM String**

Accessibility: Read Only

A custom url, if available, to access app settings.

3.2.5.373.1.1.14 ViewInMarketPlaceEnabled

Type: **CSOM Boolean**

Accessibility: Read Only

True if the app is viewable in the app marketplace.

3.2.5.373.1.2 ObjectPath Properties

None.

3.2.5.374 Microsoft.SharePoint.Client.AppSiteContext

TypeId: {5D861CDF-2818-4912-AFD3-82CAA1032837}

ShortName: SP.AppSiteContext

An app site context

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3.2.5.374.1 Properties

3.2.5.374.1.1 Scalar Properties

3.2.5.374.1.1.1 SiteUrl

Type: **CSOM String**

Accessibility: Read Only

The URL of the site.

3.2.5.374.1.2 ObjectPath Properties

None.

3.2.5.375 Microsoft.SharePoint.Client.AppSiteContextUtility

TypeId: {D6CBDC41-0A1E-4711-BB3B-69D81746A39B}

ShortName: SP.AppSiteContextUtility

A utility class to retrieve App site context objects.

3.2.5.375.1 Properties

3.2.5.375.1.1 Scalar Properties

None.

3.2.5.375.1.2 ObjectPath Properties

None.

3.2.5.375.2 Methods

3.2.5.375.2.1 Scalar Methods

3.2.5.375.2.1.1 GetAppSiteContextCollection

This method is a **static CSOM method**.

Return Type: **CSOM array** of Microsoft.SharePoint.Client.AppSiteContext

Retrieves the sites that an app has been launched on. The request MUST be made by an app with a valid user identity.

Parameters: None

3.2.5.375.2.2 ObjectPath Methods

None.

3.2.5.376 Microsoft.SharePoint.Client.AppStatus

ShortName: SP.AppStatus

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Flag: false

The status of app. An app can only be executed if its status is Installed, any other status is either transient or might allow for additional operations, such as enabling a disabled app, or restoring a recycled app.

3.2.5.376.1 Field Values

3.2.5.376.1.1 InvalidStatus

Value: 0

This value indicates an internal product error, and SHOULD NOT occur in usage.

3.2.5.376.1.2 Installing

Value: 1

This value indicates that the App instance is in the process of installing.

3.2.5.376.1.3 Canceling

Value: 2

This value indicates that the App instance was installing, but was canceled, and is now uninstalling.

3.2.5.376.1.4 Uninstalling

Value: 3

This value indicates that the App instance is uninstalling.

3.2.5.376.1.5 Installed

Value: 4

This value indicates that the App instance is installed.

3.2.5.376.1.6 Upgrading

Value: 5

This value indicates that the App instance is upgrading.

3.2.5.376.1.7 Initialized

Value: 6

This value indicates that the App instance has been created, but not yet installed.

3.2.5.376.1.8 UpgradeCanceling

Value: 7

This value indicates that the App instance was upgrading, but has canceled.

3.2.5.376.1.9 Disabling

Value: 8

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This value indicates that the App instance is disabling.

3.2.5.376.1.10 Disabled

Value: 9

This value indicates that the App instance is disabled.

3.2.5.376.1.11 SecretRolling

Value: 10

This value indicates that the App instance is rolling the secret associated with its principal.

3.2.5.376.1.12 Recycling

Value: 11

This value indicates the App instance is moving to the recycle bin.

3.2.5.376.1.13 Recycled

Value: 12

This value indicates the App instance is in the recycle bin.

3.2.5.376.1.14 Restoring

Value: 13

This value indicates the App instance is moving from the recycle bin back to Installed.

3.2.5.376.1.15 RestoreCanceling

Value: 14

This value indicates the App instance was restoring from the recycle bin, but has canceled.

3.2.5.377 Microsoft.SharePoint.Client.AppTileProperties

TypeId: {9E132B04-191D-415F-9EEE-87BECC7CC9A0}

ShortName: SP.AppTileProperties

A utility class that retrieves the properties of an app.

3.2.5.377.1 Properties

3.2.5.377.1.1 Scalar Properties

None.

3.2.5.377.1.2 ObjectPath Properties

None.

3.2.5.377.2 Methods

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3.2.5.377.2.1 Scalar Methods

3.2.5.377.2.1.1 GetAppProperties

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.AppProperties

Retrieves the properties of a given app.

Parameters:

appId: The Id of the app.

Type: **CSOM GUID**

appType: The type of the app.

Type: Microsoft.SharePoint.Client.AppType

productId: The Id of the product associated with the app.

Type: CSOM GUID

appSource: The source of the app.

Type: Microsoft.SharePoint.Administration.AppSource

assetId: An Id representing the underlying asset type and version, for example document library.

Type: **CSOM String**

contentMarket: The market from which the app was installed.

Type: CSOM String

isTenantApp: True if this is an app provisioned through the tenant.

Type: **CSOM Boolean**

3.2.5.377.2.2 ObjectPath Methods

None.

3.2.5.378 Microsoft.SharePoint.Client.AppViewCreationInfo

TypeId: {52A8011D-98C5-466F-9CDE-2E5EF9CC811B}

ShortName: SP.AppViewCreationInfo

Microsoft.SharePoint.Client.AppViewCreationInfo is not applicable.<250>

3.2.5.378.1 Properties

3.2.5.378.1.1 Scalar Properties

None.

3.2.5.378.1.2 ObjectPath Properties

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None.

3.2.5.379 Microsoft.SharePoint.Client.CheckedOutFile

TypeId: {F1AB6895-066D-4B51-86BC-AFDDA92E5A8C}

ShortName: SP.CheckedOutFile

Represents a checked-out file in a document library or workspace.

3.2.5.379.1 Properties

3.2.5.379.1.1 Scalar Properties

3.2.5.379.1.1.1 CheckedOutById

Type: **CSOM Int32**

Accessibility: Read Only

Returns the user ID of the account used to check out the file.

3.2.5.379.1.1.2 ServerRelativePath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read Only

The server relative path of the checked out file.

3.2.5.379.1.2 ObjectPath Properties

3.2.5.379.1.2.1 CheckedOutBy

Type: Microsoft.SharePoint.Client.User

Accessibility: Read Only

Returns the user name of the account used to check out the file.

3.2.5.379.2 Methods

3.2.5.379.2.1 Scalar Methods

3.2.5.379.2.1.1 TakeOverCheckOut

Return Type: None

Instructs the site that another user account is taking over control of a currently checked-out file.

Parameters: None

3.2.5.379.2.2 ObjectPath Methods

None.

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3.2.5.380 Microsoft.SharePoint.Client.CheckedOutFileCollection

TypeId: {41F73D00-1C59-49A6-A3ED-DD0982F80D24}

ShortName: SP.CheckedOutFileCollection

Represents a collection of checked-out files as specified in section 3.2.5.379.

3.2.5.380.1 Properties

3.2.5.380.1.1 Scalar Properties

None.

3.2.5.380.1.2 ObjectPath Properties

None.

3.2.5.380.2 Methods

3.2.5.380.2.1 Scalar Methods

None.

3.2.5.380.2.2 ObjectPath Methods

3.2.5.380.2.2.1 GetByPath

Return Type: Microsoft.SharePoint.Client.CheckedOutFile

Get a collection of checked-out files at the specified path.

Parameters:

path: An **SP.ResourcePath** (section 3.2.5.420) that specifies the path.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

3.2.5.381 Microsoft.SharePoint.Client.ClientWebPart

TypeId: {4FED2270-C9A3-4E64-BB3B-011C54A3784C}

ShortName: SP.ClientWebPart

Representation of a ClientWebPart. It provides with ClientWebPart metadata and methods to render it.

3.2.5.381.1 Properties

3.2.5.381.1.1 Scalar Properties

3.2.5.381.1.1.1 Id

Type: CSOM GUID

Accessibility: Read Only

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Id of the ClientWebPart. This id is generated by ClientWebPartComponentIdGenerator, based on the productId, the featureId and the name of the ClientWebPart, as ClientWebParts don't have an explicit id defined.

3.2.5.381.1.1.2 Name

Type: **CSOM String**

Accessibility: Read Only

Name of the ClientWebPart.

3.2.5.381.1.2 ObjectPath Properties

None.

3.2.5.381.2 Methods

3.2.5.381.2.1 Scalar Methods

3.2.5.381.2.1.1 Render

Return Type: **CSOM String**

Renders the ClientWebPart. Returns HTML that can be inserted in a page.

Parameters:

properties: Properties for the ClientWebPart, including edit mode.

Type: **CSOM dictionary**

Additional properties aside from the properties defined on the web part are: InstanceId, Width, Height, Autofit and Edit mode.

InstanceId is the instance Id of the web part on the page. It is passed as property "instanceId" and will set to ID property of the ClientWebPart instance.

Width is the width in pixels. It is passed as property "width" and can have an integer value.

Height is the height in pixels. It is passed as property "height" and can have an integer value.

Autofit will override the width to 100%. It is passed as property "autofit" and can have a value of "true" or "false".

Edit mode tells the ClientWebPart to render in edit mode. It is passed as property "editMode" and can have a value of "0" or "1".

3.2.5.381.2.2 ObjectPath Methods

None.

3.2.5.382 Microsoft.SharePoint.Client.ClientWebPartCollection

TypeId: {CFE00E6E-6A55-4EB2-9094-735202954D29}

ShortName: SP.ClientWebPartCollection

Collection of ClientWebPart representations. It includes all ClientWebParts installed in the SP.Web.

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3.2.5.382.1 Properties

3.2.5.382.1.1 Scalar Properties

None.

3.2.5.382.1.2 ObjectPath Properties

None.

3.2.5.382.2 Methods

3.2.5.382.2.1 Scalar Methods

None.

3.2.5.382.2.2 ObjectPath Methods

3.2.5.382.2.2.1 GetById

Return Type: Microsoft.SharePoint.Client.ClientWebPart

Returns the ClientWebPart representation with the set id.

Parameters:

id: The ID of the client web part to retrieve.

Type: **CSOM GUID**

3.2.5.383 Microsoft.SharePoint.Client.ConnectorResult

TypeId: {D6CA3680-8029-441C-B872-75DF2C2BC0A2}

ShortName: SP.ConnectorResult

Used to return data from Connector operations in a specific format

3.2.5.383.1 Properties

3.2.5.383.1.1 Scalar Properties

3.2.5.383.1.1.1 ContextData

Type: **CSOM String**

Accessibility: Read Only

Additional data to be returned.

3.2.5.383.1.1.2 Value

Type: **CSOM String**

Accessibility: Read Only

Contains result of the operation.

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3.2.5.383.1.2 ObjectPath Properties

None.

3.2.5.383.2 Methods

3.2.5.383.2.1 Scalar Methods

None.

3.2.5.383.2.2 ObjectPath Methods

None.

3.2.5.384 Microsoft.SharePoint.Client.CopyJobProgress

TypeId: {BC64B0DB-1450-44BE-9ADD-F15B09E8CFCA}

ShortName: SP.CopyJobProgress

Microsoft.SharePoint.Client.CopyJobProgress is not applicable.<251>

3.2.5.384.1 Properties

3.2.5.384.1.1 Scalar Properties

None.

3.2.5.384.1.2 ObjectPath Properties

None.

3.2.5.385 Microsoft.SharePoint.Client.CopyMigrationInfo

TypeId: {6B7EF931-D5BF-4213-BFB1-509278A9CABF}

ShortName: SP.CopyMigrationInfo

Microsoft.SharePoint.Client.CopyMigrationInfo is not applicable.<252>

3.2.5.385.1 Properties

3.2.5.385.1.1 Scalar Properties

None.

3.2.5.385.1.2 ObjectPath Properties

None.

3.2.5.386 Microsoft.SharePoint.Client.CopyMigrationOptions

TypeId: {E9C85D2D-0451-4B77-AE22-76365A2E9F0C}

ShortName: SP.CopyMigrationOptions

Microsoft.SharePoint.Client.CopyMigrationsOptions is not applicable.<253>

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3.2.5.386.1 Properties

3.2.5.386.1.1 Scalar Properties

None.

3.2.5.386.1.2 ObjectPath Properties

None.

3.2.5.387 Microsoft.SharePoint.Client.CurrencyInformation

TypeId: {80FFC784-B438-41FB-A239-3CA1382C80DF}

ShortName: SP.CurrencyInformation

Information about a currency necessary for currency identification and display in the UI.

3.2.5.387.1 Properties

3.2.5.387.1.1 Scalar Properties

3.2.5.387.1.1.1 DisplayString

Type: **CSOM String**

Accessibility: Read Only

The Display String (ex: $123,456.00 (United States)) for a specific currency which contains a sample formatted value (the currency and the number formatting from the web's locale) and the name of the country/region for the currency.

3.2.5.387.1.1.2 LCID

Type: **CSOM String**

Accessibility: Read Only

The LCID (locale identifier) for a specific currency.

3.2.5.387.1.2 ObjectPath Properties

None.

3.2.5.388 Microsoft.SharePoint.Client.CurrencyInformationCollection

TypeId: {C00C915F-131D-45FF-9FFB-8DF65751B89F}

ShortName: SP.CurrencyInformationCollection

List of supported currencies: contains **CurrencyInformation** objects.

3.2.5.388.1 Properties

3.2.5.388.1.1 Scalar Properties

None.

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3.2.5.388.1.2 ObjectPath Properties

None.

3.2.5.389 Microsoft.SharePoint.Client.CurrencyList

TypeId: {B952F329-C588-4EAC-B193-7B598875C88E}

ShortName: SP.CurrencyList

List of supported currencies.

3.2.5.389.1 Properties

3.2.5.389.1.1 Scalar Properties

None.

3.2.5.389.1.2 ObjectPath Properties

None.

3.2.5.389.2 Methods

3.2.5.389.2.1 Scalar Methods

3.2.5.389.2.1.1 GetList

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.CurrencyInformationCollection

Generates a list of all the currencies allowed in SharePoint currency columns. The list contains **CurrencyInformation** objects with display strings and LCIDs for each currency.

Parameters: None

3.2.5.389.2.2 ObjectPath Methods

None.

3.2.5.390 Microsoft.SharePoint.Client.CustomActionElement

TypeId: {7295EB25-E721-42B6-AAC9-CBB6C39AFC54}

ShortName: SP.CustomActionElement

A class specifies a **custom action** element.

3.2.5.390.1 Properties

3.2.5.390.1.1 Scalar Properties

3.2.5.390.1.1.1 ClientSideComponentId

Type: CSOM GUID

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Accessibility: Read Only

The unique identifier of the client-side component associated with the custom action.

3.2.5.390.1.1.2 ClientSideComponentProperties

Type: **CSOM String**

Accessibility: Read Only

This property is only used when a **ClientSideComponentId** is specified. It is optional. If non-empty, the string MUST contain a JSON object with custom initialization properties whose format and meaning are defined by the client-side component.

3.2.5.390.1.1.3 CommandUIExtension

Type: **CSOM String**

Accessibility: Read Only

Gets the action's command ui definition that is used to store the ribbon xml.

3.2.5.390.1.1.4 EnabledScript

Type: **CSOM String**

Accessibility: Read Only

The client side script to enabled or disable the custom action.

3.2.5.390.1.1.5 ImageUrl

Type: **CSOM String**

Accessibility: Read Only

Returns the URL for a thumbnail image associated with the custom action.

3.2.5.390.1.1.6 Location

Type: **CSOM String**

Accessibility: Read Only

Specifies where the Custom Action will be placed in the UI.

3.2.5.390.1.1.7 RegistrationId

Type: **CSOM String**

Accessibility: Read Only

Registration ID of the custom action. It can be file extension for ECB menu custom action, or contenttype id for content type custom action.

3.2.5.390.1.1.8 RegistrationType

Type: Microsoft.SharePoint.Client.UserCustomActionRegistrationType

Accessibility: Read Only

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Registration type of the custom Action. Its values are defined in SP.UserCustomActionRegistrationType enum.

3.2.5.390.1.1.9 RequireSiteAdministrator

Type: **CSOM Boolean**

Accessibility: Read Only

Returns true if the custom action requires site collection admin priviledge to run.

3.2.5.390.1.1.10 Rights

Type: Microsoft.SharePoint.Client.BasePermissions

Accessibility: Read Only

Returns the EffectiveBasePermissions object.

It MUST NOT be NULL.

3.2.5.390.1.1.11 Title

Type: **CSOM String**

Accessibility: Read Only

Title of the custom Action.

3.2.5.390.1.1.12 UrlAction

Type: **CSOM String**

Accessibility: Read Only

Url Action of the custom Action. It could contain embedded JavaScript for the custom action.

3.2.5.390.1.2 ObjectPath Properties

None.

3.2.5.391 Microsoft.SharePoint.Client.CustomActionElementCollection

TypeId: {8085C8A0-AC08-44C8-AC9F-8A35540B34D1}

ShortName: SP.CustomActionElementCollection

This is the class that represents a collection of **CustomActionElement**.

3.2.5.391.1 Properties

3.2.5.391.1.1 Scalar Properties

None.

3.2.5.391.1.2 ObjectPath Properties

None.

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3.2.5.392 Microsoft.SharePoint.Client.CustomerKeyInfo

TypeId: {CDC51C4D-1C56-41E9-8E38-D75217A70B85}

ShortName: SP.CustomerKeyInfo

Microsoft.SharePoint.Client.CustomerKeyInfo is not applicable.<254>

3.2.5.392.1 Properties

3.2.5.392.1.1 Scalar Properties

None.

3.2.5.392.1.2 ObjectPath Properties

None.

3.2.5.393 Microsoft.SharePoint.Client.CustomerKeyStatus

ShortName: SP.CustomerKeyStatus

Flag: false

Microsoft.SharePoint.Client.CustomerKeyStatus is not applicable.<255>

3.2.5.393.1 Field Values

None.

3.2.5.394 Microsoft.SharePoint.Client.CustomerKeyStatusInfo

TypeId: {EE8F1D43-6049-424C-BCED-6145B6415C2B}

ShortName: SP.CustomerKeyStatusInfo

Microsoft.SharePoint.Client.CustomerKeyStatusInfo is not applicable.<256>

3.2.5.394.1 Properties

3.2.5.394.1.1 Scalar Properties

None.

3.2.5.394.1.2 ObjectPath Properties

None.

3.2.5.395 Microsoft.SharePoint.Client.CustomerKeyVaultInfo

TypeId: {19D15BC5-C167-4D4F-A469-A9D7DE4BDCC1}

ShortName: SP.CustomerKeyVaultInfo

Microsoft.SharePoint.Client.CustomerKeyVaultInfo is not applicable.<257>

3.2.5.395.1 Properties

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3.2.5.395.1.1 Scalar Properties

None.

3.2.5.395.1.2 ObjectPath Properties

None.

3.2.5.396 Microsoft.SharePoint.Client.CustomerKeyVaultKeyType

ShortName: SP.CustomerKeyVaultKeyType

Flag: false

Microsoft.SharePoint.Client.CustomerKeyVaultKeyType is not applicable.<258>

3.2.5.396.1 Field Values

None.

3.2.5.397 Microsoft.SharePoint.Client.EncryptionOption

TypeId: {85614AD4-7A40-49E0-B272-6D1807DBFCC6}

ShortName: SP.EncryptionOption

Migration options.<259>

3.2.5.397.1 Properties

3.2.5.397.1.1 Scalar Properties

None.

3.2.5.397.1.2 ObjectPath Properties

None.

3.2.5.398 Microsoft.SharePoint.Client.FileCollectionAddParameters

TypeId: {19ECCEE3-91D5-4335-9AFC-CD7FE47E5493}

ShortName: SP.FileCollectionAddParameters

This indicates an object encapsulating various options to use while saving a file.

3.2.5.398.1 Properties

3.2.5.398.1.1 Scalar Properties

3.2.5.398.1.1.1 Overwrite

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether to overwrite an existing file of the same name as the one being created.

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3.2.5.398.1.1.2 EnsureUniqueFileName

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether to ensure the uniqueness of the uploaded file name to prevent name conflicts.

3.2.5.398.1.2 ObjectPath Properties

None.

3.2.5.399 Microsoft.SharePoint.Client.FileVersionEvent

TypeId: {478A36FE-CD3D-4F97-99DA-D373D2C2E6E4}

ShortName: SP.FileVersionEvent

Represents an event object happened on a Microsoft.SharePoint.SPFile.

3.2.5.399.1 Properties

3.2.5.399.1.1 Scalar Properties

3.2.5.399.1.1.1 Editor

Type: **CSOM String**

Accessibility: Read Only

Returns the name of the user who initiated the event.

3.2.5.399.1.1.2 EditorEmail

Type: **CSOM String**

Accessibility: Read Only

Returns the email corresponding to the user who initiated the event.

3.2.5.399.1.1.3 EventType

Type: Microsoft.SharePoint.Client.FileVersionEventType

Accessibility: Read Only

Returns the type of the event.

3.2.5.399.1.1.4 SharedByUser

Type: Microsoft.SharePoint.Client.SharedWithUser

Accessibility: Read Only

Returns the shared by user Information in sharing action for change log.

3.2.5.399.1.1.5 SharedWithUsers

Type: Microsoft.SharePoint.Client.SharedWithUserCollection

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Accessibility: Read Only

Returns the array of users that have been shared in sharing action for the change log.

3.2.5.399.1.1.6 Time

Type: **CSOM DateTime**

Accessibility: Read Only

Returns the **UTC (Coordinated Universal Time)** time of this event.

3.2.5.399.1.2 ObjectPath Properties

None.

3.2.5.399.2 Methods

3.2.5.399.2.1 Scalar Methods

None.

3.2.5.399.2.2 ObjectPath Methods

None.

3.2.5.400 Microsoft.SharePoint.Client.FileVersionEventCollection

TypeId: {098C4937-812C-449A-9D93-F4BB34E22323}

ShortName: SP.FileVersionEventCollection

Collection of event objects of a SPFile.

3.2.5.400.1 Properties

3.2.5.400.1.1 Scalar Properties

None.

3.2.5.400.1.2 ObjectPath Properties

None.

3.2.5.400.2 Methods

3.2.5.400.2.1 Scalar Methods

None.

3.2.5.400.2.2 ObjectPath Methods

None.

3.2.5.401 Microsoft.SharePoint.Client.FileVersionEventType

ShortName: SP.FileVersionEventType

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Flag: false

Type of version events.

3.2.5.401.1 Field Values

3.2.5.401.1.1 Share

Value: 1

A share event.

3.2.5.401.1.2 Rename

Value: 2

A rename event.

3.2.5.401.1.3 Restore

Value: 3

A restore event.

3.2.5.401.1.4 MaxServerType

Value: 28671

Maximum allowed server event type.

3.2.5.401.1.5 FromClient

Value: 28672

An event initiated from client.

3.2.5.402 Microsoft.SharePoint.Client.FlowSynchronizationResult

TypeId: {D9F77691-3136-41E7-8AAC-0BFC7736D842}

ShortName: SP.FlowSynchronizationResult

The result of the synchronization operation.<260>

3.2.5.402.1 Properties

3.2.5.402.1.1 Scalar Properties

None.

3.2.5.402.1.2 ObjectPath Properties

None.

3.2.5.402.2 Methods

3.2.5.402.2.1 Scalar Methods

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None.

3.2.5.402.2.2 ObjectPath Methods

None.

3.2.5.403 Microsoft.SharePoint.Client.FlowSynchronizationStatus

ShortName: SP.FlowSynchronizationStatus

Flag: false

The status of the synchronization operation<261>

3.2.5.403.1 Field Values

None.

3.2.5.404 Microsoft.SharePoint.Client.FolderCollectionAddParameters

TypeId: {80315927-DC9D-47D8-A95D-B776A33373BE}

ShortName: SP.FolderCollectionAddParameters

Specifies the settings used for creating a folder.

3.2.5.404.1 Properties

3.2.5.404.1.1 Scalar Properties

3.2.5.404.1.1.1 Overwrite

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether to overwrite an existing folder of the same name as the one being created.

3.2.5.404.1.1.2 EnsureUniqueFileName

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether to ensure the uniqueness of the uploaded folder name to prevent name conflicts.

3.2.5.404.1.2 ObjectPath Properties

None.

3.2.5.405 Microsoft.SharePoint.Client.FormRenderMode

ShortName: SP.FormRenderMode

Flag: false

The mode in which a form will render.

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3.2.5.405.1 Field Values

3.2.5.405.1.1 Classic

Value: 1

Classic User Experience. This is the default if none of the other modes match.

3.2.5.405.1.2 Modern

Value: 2

Modern User Experience.

3.2.5.405.1.3 Customized

Value: 4

Uses customized form rendering like InfoPath.

3.2.5.406 Microsoft.SharePoint.Client.Hashtag

TypeId: {CDD68411-BC1E-46F6-ACC6-9FB857454976}

ShortName: SP.Hashtag

Microsoft.SharePoint.Client.Hashtag is not applicable.<262>

3.2.5.406.1 Properties

3.2.5.406.1.1 Scalar Properties

None.

3.2.5.406.1.2 ObjectPath Properties

None.

3.2.5.407 Microsoft.SharePoint.Client.LanguageCollection

TypeId: {A3BACB34-297F-4EB5-A478-9F0820B247AC}

ShortName: SP.LanguageCollection

Represents a collection of SPLanguage objects.<263>

3.2.5.407.1 Properties

3.2.5.407.1.1 Scalar Properties

None.

3.2.5.407.1.2 ObjectPath Properties

None.

3.2.5.407.2 Methods

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3.2.5.407.2.1 Scalar Methods

None.

3.2.5.407.2.2 ObjectPath Methods

None.

3.2.5.408 Microsoft.SharePoint.Client.ListBloomFilter

TypeId: {987C1FDF-B1CE-4E29-893F-16727D0D154C}

ShortName: SP.ListBloomFilter

Specifies a Bloom filter (probabilistic structure for checking the existence of list items).

3.2.5.408.1 Properties

3.2.5.408.1.1 Scalar Properties

3.2.5.408.1.1.1 BloomFilterSize

Type: **CSOM Int32**

Accessibility: Read Only

The length of the Bloom Filter

3.2.5.408.1.1.2 FalsePositiveRate

Type: **CSOM Double**

Accessibility: Read Only

The false positive rate for the Bloom Filter.

3.2.5.408.1.1.3 HashedValueSet

Type: **CSOM array** of **CSOM String**

Accessibility: Read Only

Specifies the set of the hash of the items in the bloom array.

3.2.5.408.1.1.4 IndexMap

Type: **CSOM array** of **CSOM Int32**

Accessibility: Read Only

Specifies a list of bloom indexes for item.

3.2.5.408.1.1.5 ItemProcessedCount

Type: **CSOM Int32**

Accessibility: Read Only

Specifies the count of the processed items.

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3.2.5.408.1.1.6 K

Type: **CSOM Int32**

Accessibility: Read Only

The number of has hash functions we would want to have with infinite compute.

3.2.5.408.1.1.7 LastListItemIdProcessed

Type: **CSOM Int32**

Accessibility: Read Only

Specifies the item id of the last processed item.

3.2.5.408.1.1.8 MaxItemCount

Type: **CSOM Int32**

Accessibility: Read Only

The number of list items added to the Bloom filter

3.2.5.408.1.2 ObjectPath Properties

None.

3.2.5.408.2 Methods

3.2.5.408.2.1 Scalar Methods

None.

3.2.5.408.2.2 ObjectPath Methods

None.

3.2.5.409 Microsoft.SharePoint.Client.ListExperience

ShortName: SP.ListExperience

Flag: false

List Experience Setting enum for List experience which includes auto, new experience, and classic experience. If either the new experience or the classic experience is selected, the list will be display accordingly. Auto means the Default experience set by administrator.

3.2.5.409.1 Field Values

3.2.5.409.1.1 Auto

Value: 0

The list experience is not specified, and will be selected automatically.

3.2.5.409.1.2 NewExperience

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Value: 1

The new list experience.

3.2.5.409.1.3 ClassicExperience

Value: 2

The classic experience.

3.2.5.410 Microsoft.SharePoint.Client.ListItemCreationInformationUsingPath

TypeId: {B3776C4E-509D-4BED-983F-CDDC43118E30}

ShortName: SP.ListItemCreationInformationUsingPath

Specifies the properties of the new list item.

3.2.5.410.1 Properties

3.2.5.410.1.1 Scalar Properties

3.2.5.410.1.1.1 FolderPath

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read/Write

Specifies the path of the folder of the new list item.

The value MUST be either null or the decoded url value an empty string or a server-relative URL or an absolute URL. If the value is not null or the decoded url value not being empty string, the decoded url value MUST point to a location within the list.

3.2.5.410.1.1.2 LeafName

Type: Microsoft.SharePoint.Client.ResourcePath

Accessibility: Read/Write

Specifies the name of the list item that will be created. In the case of a document library, the name is equal to the filename of the list item.

It MUST NOT contain the following characters: \x00-\x1FF, \x22, \x23, \x25, \x26, \x2A, \x3A, \x3C, \x3E, \x3F, \x5C and \x7B-\x9F. The maximum length of the decoded URL of the file is 400, which includes the length of the file name.

3.2.5.410.1.1.3 UnderlyingObjectType

Type: Microsoft.SharePoint.Client.FileSystemObjectType

Accessibility: Read/Write

Specifies the file system object type for the item that will be created.

It MUST be either FileSystemObjectType.File or FileSystemObjectType.Folder.

3.2.5.410.1.2 ObjectPath Properties

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None.

3.2.5.411 Microsoft.SharePoint.Client.ListItemVersion

TypeId: {79840421-ED80-46F7-A6A5-00EE62576E15}

ShortName: SP.ListItemVersion

Represents a version of a list item.<264>

3.2.5.411.1 Properties

3.2.5.411.1.1 Scalar Properties

3.2.5.411.1.1.1 Created

Type: **CSOM DateTime**

Accessibility: Read Only

Gets the creation date and time for the item version.

3.2.5.411.1.1.2 IsCurrentVersion

Type: **CSOM Boolean**

Accessibility: Read Only

Specifies whether the list item version is the current version.

3.2.5.411.1.1.3 VersionId

Type: **CSOM Int32**

Accessibility: Read Only

Gets the ID of the version.

3.2.5.411.1.1.4 VersionLabel

Type: **CSOM String**

Accessibility: Read Only

Gets the version number of the item version.

3.2.5.411.1.2 ObjectPath Properties

3.2.5.411.1.2.1 CreatedBy

Type: Microsoft.SharePoint.Client.User

Accessibility: Read Only

Specifies the SharePoint user that represents the creator of the file version.

3.2.5.411.1.2.2 Fields

Type: Microsoft.SharePoint.Client.FieldCollection

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Accessibility: Read Only

Gets the collection of fields that are used in the list that contains the item version.

3.2.5.411.1.2.3 FileVersion

Type: Microsoft.SharePoint.Client.FileVersion

Accessibility: Read Only

Gets the **FileVersion** object associated with the **ListItemVersion**.

3.2.5.411.2 Methods

3.2.5.411.2.1 Scalar Methods

3.2.5.411.2.1.1 DeleteObject

Return Type: None

Deletes the list item version.

Parameters: None

Exceptions:

Error Code	Error Type Name	Condition
-2147024846	Microsoft.SharePoint.SPException	Recycle bin is disabled.
-2147024891	System.UnauthorizedAccessException	User does not have permissions to update this file version.

3.2.5.411.2.2 ObjectPath Methods

None.

3.2.5.412 Microsoft.SharePoint.Client.ListItemVersionCollection

TypeId: {00F9666D-F344-4C6D-A5D7-B2A2E73CD799}

ShortName: SP.ListItemVersionCollection

Represents a collection of SP.ListItemVersion objects.

3.2.5.412.1 Properties

3.2.5.412.1.1 Scalar Properties

None.

3.2.5.412.1.2 ObjectPath Properties

None.

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3.2.5.412.2 Methods

3.2.5.412.2.1 Scalar Methods

None.

3.2.5.412.2.2 ObjectPath Methods

3.2.5.412.2.2.1 GetById

Return Type: Microsoft.SharePoint.Client.ListItemVersion

Returns a version from the collection based on the specified version ID.

Parameters:

versionId: A 32-bit integer that specifies the ID of the version to return.

Type: **CSOM Int32**

3.2.5.413 Microsoft.SharePoint.Client.ListPageRenderType

ShortName: SP.ListPageRenderType

Flag: false

Reasons why the page is rendered in classic experience, or Modern if the page is in modern experience.

3.2.5.413.1 Field Values

3.2.5.413.1.1 Undefined

Value: 0

There's not enough information to know the render mode,

3.2.5.413.1.2 MultipeWePart

Value: 1

More than one **Web Part** on the default view page.

3.2.5.413.1.3 JSLinkCustomization

Value: 2

The page is using JavaScript file to customize the list rendering.

3.2.5.413.1.4 XslLinkCustomization

Value: 3

The page is using **XSL** file to customize the list rendering.

3.2.5.413.1.5 NoSPList

Value: 4

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The view is not supported by the page.

3.2.5.413.1.6 HasBusinessDataField

Value: 5

The page has business data field.

3.2.5.413.1.7 HasTaskOutcomeField

Value: 6

The page has field which type is **OutcomeChoice** (section 3.2.5.58.1.34).

3.2.5.413.1.8 HasPublishingfield

Value: 7

The page has publishing field.

3.2.5.413.1.9 HasGeolocationField

Value: 8

The page has field that contains Geographical location values.

3.2.5.413.1.10 HasCustomActionWithCode

Value: 9

The page has **custom action**.

3.2.5.413.1.11 HasMetadataNavFeature

Value: 10

Metadata navigation feature is on in the page.

3.2.5.413.1.12 SpecialViewType

Value: 11

The page has a special view like Gantt chart or Calendar.

3.2.5.413.1.13 ListTypeNoSupportForModernMode

Value: 12

The modern experience could not be rendered.

3.2.5.413.1.14 AnonymousUser

Value: 13

The user is anonymous.

3.2.5.413.1.15 ListSettingOff

Value: 14

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Modern list rendering has been disabled at the list level.

3.2.5.413.1.16 SiteSettingOff

Value: 15

Modern list rendering has been disabled at the site level.

3.2.5.413.1.17 WebSettingOff

Value: 16

Modern list rendering has been disabled at the web level.

3.2.5.413.1.18 TenantSettingOff

Value: 17

Modern list rendering has been disabled at the tenant level.

3.2.5.413.1.19 CustomizedForm

Value: 18

The page only has one field or in a dialog mode or is not client rendered form.

3.2.5.413.1.20 DocLibNewForm

Value: 19

The page is a form to create a **document library**.

3.2.5.413.1.21 UnsupportedFieldTypeInForm

Value: 20

Unsupported file type in the **list**.

3.2.5.413.1.22 InvalidFieldTypeInForm

Value: 21

Invalid file type in the **list**.

3.2.5.413.1.23 InvalidControModeInForm

Value: 22

Invalid control mode in the **list**.

3.2.5.413.1.24 CustomizedPage

Value: 23

The page is customized.

3.2.5.413.1.25 ListTemplateNotSupported

Value: 24

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Unsupported **list template**.

3.2.5.413.1.26 WikiPage

Value: 25

The page is a Wiki page.

3.2.5.413.1.27 DropOffLibrary

Value: 26

The container is a Drop Off library, which is automatically created when you activate the Content Organizer feature, serves as the default location.

3.2.5.413.1.28 IsUnghosted

Value: 27

The **list** is a Pages library or unghosted Asset library.

3.2.5.413.1.29 Modern

Value: 100

Page render in modern experience.

3.2.5.414 Microsoft.SharePoint.Client.MigrationNameConflictBehavior

ShortName: SP.MigrationNameConflictBehavior

Flag: false

Microsoft.SharePoint.Client.MigrationNameConflictBehavior is not applicable.<265>

3.2.5.414.1 Field Values

None.

3.2.5.415 Microsoft.SharePoint.Client.MoveCopyOptions

TypeId: {B3FF81B8-6CEC-4AD3-AE27-9D5CFF515D8E}

ShortName: SP.MoveCopyOptions

Microsoft.SharePoint.Client.MoveCopyOptions is not applicable.<266>

3.2.5.415.1 Properties

3.2.5.415.1.1 Scalar Properties

3.2.5.415.1.1.1 RetainEditorAndModifiedOnMove

Type: **CSOM Boolean**

Accessibility: Read/Write

Specifies whether to retain the source of the move's editor and modified by datetime.

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3.2.5.415.1.2 ObjectPath Properties

None.

3.2.5.416 Microsoft.SharePoint.Client.ProvisionedMigrationContainersInfo

TypeId: {F562770D-C45C-4080-9B5D-CDDEC7D1FC15}

ShortName: SP.ProvisionedMigrationContainersInfo

Microsoft.SharePoint.Client.ProvisionedMigrationContainersInfo is not applicable.<267>

3.2.5.416.1 Properties

3.2.5.416.1.1 Scalar Properties

None.

3.2.5.416.1.2 ObjectPath Properties

None.

3.2.5.417 Microsoft.SharePoint.Client.ProvisionedMigrationQueueInfo

TypeId: {1D940081-60CB-44CB-8415-334EF96369CA}

ShortName: SP.ProvisionedMigrationQueueInfo

Microsoft.SharePoint.Client.ProvisionedMigrationQueueInfo is not applicable.<268>

3.2.5.417.1 Properties

3.2.5.417.1.1 Scalar Properties

None.

3.2.5.417.1.2 ObjectPath Properties

None.

3.2.5.418 Microsoft.SharePoint.Client.RecycleBinQueryInformation

TypeId: {D525B376-6849-48DB-B9D3-7A58F1B00BDF}

ShortName: SP.RecycleBinQueryInformation

Represents information for the recycle bin query.

3.2.5.418.1 Properties

3.2.5.418.1.1 Scalar Properties

3.2.5.418.1.1.1 IsAscending

Type: **CSOM Boolean**

Accessibility: Read/Write

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Gets or sets a Boolean value that specifies whether to sort in ascending order.

3.2.5.418.1.1.2 ItemState

Type: Microsoft.SharePoint.Client.RecycleBinItemState

Accessibility: Read/Write

Gets or sets the Recycle Bin state of items to return in the query.

3.2.5.418.1.1.3 OrderBy

Type: Microsoft.SharePoint.Client.RecycleBinOrderBy

Accessibility: Read/Write

Gets or sets the column by which to order the Recycle Bin query.

3.2.5.418.1.1.4 PagingInfo

Type: **CSOM String**

Accessibility: Read/Write

Gets or sets a string used to get the next set of rows in the page.

3.2.5.418.1.1.5 RowLimit

Type: **CSOM Int32**

Accessibility: Read/Write

Gets or sets a limit for the number of items returned in the query per page.

3.2.5.418.1.1.6 ShowOnlyMyItems

Type: **CSOM Boolean**

Accessibility: Read/Write

Gets or sets a Boolean value that specifies whether to get items deleted by other users.

3.2.5.418.1.2 ObjectPath Properties

None.

3.2.5.419 Microsoft.SharePoint.Client.RenderListFormDataOptions

ShortName: SP.RenderListFormDataOptions

Flag: true

The type of data to return when retrieving listform data for a specified item as JSON.

3.2.5.419.1 Field Values

3.2.5.419.1.1 None

Value: 0

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No options specified.

3.2.5.419.1.2 ExcludeListSchema

Value: 1

The returned form data will contain only list data and not any list schema information.

3.2.5.419.1.3 IncludeAttachments

Value: 2

The returned form data will have an attachments field if possible.

3.2.5.419.1.4 IncludeListViewData

Value: 4

The returned form data will contain ListView Data.

3.2.5.419.1.5 IncludeAppendOnlyData

Value: 8

The returned form data will contain AppendOnly Data.

3.2.5.420 Microsoft.SharePoint.Client.ResourcePath

TypeId: {A265A356-274B-4E6C-B0EF-BBC22BD0969A}

ShortName: SP.ResourcePath

Represents the full (absolute) or parts (relative) path of a site collection, web, file, folder or other artifacts in the database.

3.2.5.420.1 Properties

3.2.5.420.1.1 Scalar Properties

3.2.5.420.1.1.1 DecodedUrl

Type: **CSOM String**

Accessibility: Read Only

Gets the path in the decoded form.

3.2.5.420.1.2 ObjectPath Properties

None.

3.2.5.421 Microsoft.SharePoint.Client.ScriptSafeDomain

TypeId: {87136B0D-6FC3-40F8-9348-1A2D332363C1}

ShortName: SP.ScriptSafeDomain

Microsoft.SharePoint.Client.ScriptSafeDomain is not applicable.<269>

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3.2.5.421.1 Properties

3.2.5.421.1.1 Scalar Properties

None.

3.2.5.421.1.2 ObjectPath Properties

None.

3.2.5.421.2 Methods

3.2.5.421.2.1 Scalar Methods

None.

3.2.5.421.2.2 ObjectPath Methods

None.

3.2.5.422 Microsoft.SharePoint.Client.ScriptSafeDomainEntityData

TypeId: {5D93B2FA-ED48-47EB-84CE-4B6C2E10F38C}

ShortName: SP.ScriptSafeDomainEntityData

Microsoft.SharePoint.Client.ScriptSafeDomainEntityData is not applicable.<270>

3.2.5.422.1 Properties

3.2.5.422.1.1 Scalar Properties

None.

3.2.5.422.1.2 ObjectPath Properties

None.

3.2.5.423 Microsoft.SharePoint.Client.ScriptSafeExternalEmbedding

ShortName: SP.ScriptSafeExternalEmbedding

Flag: false

Microsoft.SharePoint.Client.ScriptSafeExternalEmbedding is not applicable.<271>

3.2.5.423.1 Field Values

None.

3.2.5.424 Microsoft.SharePoint.Client.SharedWithUser

TypeId: {01D693D9-72C2-4531-9FB9-105C88B6706B}

ShortName: SP.SharedWithUser

Represents a **principal** with whom a **list item** is shared.

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3.2.5.424.1 Properties

3.2.5.424.1.1 Scalar Properties

3.2.5.424.1.1.1 Email

Type: **CSOM String**

Accessibility: Read Only

Gets the email of the **principal**.

3.2.5.424.1.1.2 Name

Type: **CSOM String**

Accessibility: Read Only

Gets the name of the **principal**.

3.2.5.424.1.2 ObjectPath Properties

None.

3.2.5.425 Microsoft.SharePoint.Client.SharedWithUserCollection

TypeId: {C60FA59C-1DE9-4B4F-A6ED-2B4B625FF300}

ShortName: SP.SharedWithUserCollection

Represents a collection of shared with users.

3.2.5.425.1 Properties

3.2.5.425.1.1 Scalar Properties

None.

3.2.5.425.1.2 ObjectPath Properties

None.

3.2.5.426 Microsoft.SharePoint.Client.Sharing.AccessRequestSettings

TypeId: {CBA89C6C-1469-4AC8-A582-6E199FBCF925}

ShortName: SP.Sharing.AccessRequestSettings

This class returns the access request settings. It’s an optional property that can be retrieved in Microsoft.SharePoint.Client.Sharing.SecurableObjectExtensions.GetSharingInformation() call on a **list item**.

3.2.5.426.1 Properties

3.2.5.426.1.1 Scalar Properties

3.2.5.426.1.1.1 hasPendingAccessRequests

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Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean indicating whether there are pending access requests for the **list item**.

3.2.5.426.1.1.2 pendingAccessRequestsLink

Type: **CSOM String**

Accessibility: Read/Write

The **full URL** to the access requests page for the **list item**, or an empty string if the link is not available.

3.2.5.426.1.1.3 requiresAccessApproval

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean indicating whether the current user's access on the **list item** requires approval from admin for sharing to others.

3.2.5.426.1.2 ObjectPath Properties

None.

3.2.5.427 Microsoft.SharePoint.Client.Sharing.DirectSharingAbilities

TypeId: {75FDF241-5BBC-4C55-975A-D4BCD063D8BE}

ShortName: SP.Sharing.DirectSharingAbilities

Represents the set of capabilities for direct sharing for the current user.

3.2.5.427.1 Properties

3.2.5.427.1.1 Scalar Properties

3.2.5.427.1.1.1 canAddExternalPrincipal

Type: Microsoft.SharePoint.Client.Sharing.SharingAbilityStatus

Accessibility: Read Only

Indicates whether the current user can share to new external users.

3.2.5.427.1.1.2 canAddInternalPrincipal

Type: Microsoft.SharePoint.Client.Sharing.SharingAbilityStatus

Accessibility: Read Only

Indicates whether the current user can share to internal users.

3.2.5.427.1.1.3 canRequestGrantAccess

Type: Microsoft.SharePoint.Client.Sharing.SharingAbilityStatus

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Accessibility: Read Only

Indicates whether the current user can initiate a request for someone with higher permissions to grant access.

3.2.5.427.1.2 ObjectPath Properties

None.

3.2.5.428 Microsoft.SharePoint.Client.Sharing.DomainRestrictionSettings

TypeId: {DC0D8514-F3B7-48CD-8E21-3FF6A489B052}

ShortName: SP.Sharing.DomainRestrictionSettings

Represents the settings of the restricted **domain names** sharing.

3.2.5.428.1 Properties

3.2.5.428.1.1 Scalar Properties

3.2.5.428.1.1.1 domainRestrictionMode

Type: Microsoft.SharePoint.Client.Sharing.SharingDomainRestrictionMode

Accessibility: Read/Write

Indicates whether the current restricted **domain names** for sending sharing invitation at the organization level is the domain allow list or deny list.

3.2.5.428.1.1.2 domainRestrictionModeAtSite

Type: Microsoft.SharePoint.Client.Sharing.SharingDomainRestrictionMode

Accessibility: Read/Write

Indicates whether the current restricted **domain names** for sending sharing invitation at the site collection level is the domain allow list or deny list.

3.2.5.428.1.1.3 restrictedDomains

Type: **CSOM String**

Accessibility: Read/Write

Comma separated list of allowed or denied **domain names** for sending sharing invitation at the organization level.

3.2.5.428.1.1.4 restrictedDomainsAtSite

Type: **CSOM String**

Accessibility: Read/Write

Comma separated list of allowed or denied **domain names** for sending sharing invitation at the site collection level.

3.2.5.428.1.2 ObjectPath Properties

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None.

3.2.5.429 Microsoft.SharePoint.Client.Sharing.EmailData

TypeId: {C4704EBB-5C92-4716-A5E2-06CD122B9162}

ShortName: SP.Sharing.EmailData

Represents email data to be used to initiate sending notification e-mail when sharing using a **tokenized sharing link**.

3.2.5.429.1 Properties

3.2.5.429.1.1 Scalar Properties

3.2.5.429.1.1.1 body

Type: **CSOM String**

Accessibility: Read/Write

The value to use as the custom message body for a notification e-mail when sharing using a **tokenized sharing link**.

If this value is null, the default message body MUST be used.

3.2.5.429.1.1.2 subject

Type: **CSOM String**

Accessibility: Read/Write

The value to use as the custom subject line for a notification e-mail when sharing using a **tokenized sharing link**.

If this value is null, the default subject line MUST be used.

3.2.5.429.1.2 ObjectPath Properties

None.

3.2.5.430 Microsoft.SharePoint.Client.Sharing.EntityPermission

TypeId: {6C146C91-E313-46EC-ADA6-BC22C368327E}

ShortName: SP.Sharing.EntityPermission

Represents a response for Microsoft.SharePoint.Client.Sharing.SecurableObjectExtensions.CheckPermissions

3.2.5.430.1 Properties

3.2.5.430.1.1 Scalar Properties

3.2.5.430.1.1.1 hasAccess

Type: **CSOM Boolean**

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Accessibility: Read Only

Boolean indicating whether the Entity has Access to the **list item**.

3.2.5.430.1.1.2 inputEntity

Type: **CSOM String**

Accessibility: Read Only

The Input Entity string provided to the call.

3.2.5.430.1.1.3 resolvedEntity

Type: **CSOM String**

Accessibility: Read Only

The Resolved Entity after resolving using PeoplePicker API.

3.2.5.430.1.1.4 role

Type: Microsoft.SharePoint.Client.Sharing.Role

Accessibility: Read Only

Role of the Entity on **list item**.

3.2.5.430.1.2 ObjectPath Properties

None.

3.2.5.431 Microsoft.SharePoint.Client.Sharing.LinkInfo

TypeId: {9631A3F1-DDC4-4C20-9D47-39549CE37FF7}

ShortName: SP.Sharing.LinkInfo

This class provides metadata for the **tokenized sharing link** including settings details, inheritance status, and an optional array of members.

3.2.5.431.1 Properties

3.2.5.431.1.1 Scalar Properties

3.2.5.431.1.1.1 isInherited

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean that indicates if the **tokenized sharing link** is present due to inherited permissions from a parent object.

3.2.5.431.1.1.2 linkDetails

Type: Microsoft.SharePoint.Client.SharingLinkInfo

Accessibility: Read/Write

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The SharingLinkInfo object for the **tokenized sharing link** with encoded Url.

3.2.5.431.1.1.3 linkMembers

Type: **CSOM array** of Microsoft.SharePoint.Client.Sharing.Principal

Accessibility: Read/Write

List of principals present on the **tokenized sharing link**.

The number of principals returned in this array MUST not exceed 30, and any excess principals on the tokenized sharing link MUST NOT be included.

3.2.5.431.1.2 ObjectPath Properties

None.

3.2.5.432 Microsoft.SharePoint.Client.Sharing.LinkInvitation

TypeId: {166665BE-3D9B-4765-A29C-8A197FADF01A}

ShortName: SP.Sharing.LinkInvitation

This class is used to identify the specific invitees for a **tokenized sharing link**, along with who invited them and when.

3.2.5.432.1 Properties

3.2.5.432.1.1 Scalar Properties

3.2.5.432.1.1.1 invitedBy

Type: Microsoft.SharePoint.Client.Sharing.Principal

Accessibility: Read/Write

Indicates the principal who invited the invitee to the **tokenized sharing link**.

3.2.5.432.1.1.2 invitedOn

Type: **CSOM String**

Accessibility: Read/Write

String representation of nullable DateTime value indicating when the invitee was invited to the **tokenized sharing link**.

3.2.5.432.1.1.3 invitee

Type: Microsoft.SharePoint.Client.Sharing.Principal

Accessibility: Read/Write

Indicates a principal who is invited to the **tokenized sharing link**.

3.2.5.432.1.2 ObjectPath Properties

None.

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3.2.5.433 Microsoft.SharePoint.Client.Sharing.OversharedWebInfo

TypeId: {0FC442DF-FFC5-4657-B790-694093B9BF73}

ShortName: SP.Sharing.OversharedWebInfo

This class provides details of users who have access to the default **document library**. It also indicates whether there are any unique **role assignments** for the default document library.

3.2.5.433.1 Properties

3.2.5.433.1.1 Scalar Properties

3.2.5.433.1.1.1 hasUniqueRoleAssignmentsForList

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value that specifies whether default **document library** list has unique **role assignments**.

3.2.5.433.1.1.2 principals

Type: **CSOM array** of Microsoft.SharePoint.Client.Sharing.Principal

Accessibility: Read/Write

Users/groups who have access to the default **document library** of another user.

3.2.5.433.1.2 ObjectPath Properties

None.

3.2.5.434 Microsoft.SharePoint.Client.Sharing.PermissionCollection

TypeId: {77B744E6-3826-444B-AD34-59B8905A44BE}

ShortName: SP.Sharing.PermissionCollection

This class is returned when Microsoft.SharePoint.Client.Sharing.SecurableObjectExtensions.GetSharingInformation is called with the optional expand on permissionsInformation property. It contains a collection of LinkInfo and PrincipalInfo objects of users/groups that have access to the **list item** and also the site administrators who have implicit access.

3.2.5.434.1 Properties

3.2.5.434.1.1 Scalar Properties

3.2.5.434.1.1.1 links

Type: **CSOM array** of Microsoft.SharePoint.Client.Sharing.LinkInfo

Accessibility: Read/Write

The List of **tokenized sharing links** with their LinkInfo objects.

3.2.5.434.1.1.2 principals

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Type: **CSOM array** of Microsoft.SharePoint.Client.Sharing.PrincipalInfo

Accessibility: Read/Write

The List of Principals with their roles on this **list item**.

3.2.5.434.1.1.3 siteAdmins

Type: **CSOM array** of Microsoft.SharePoint.Client.Sharing.PrincipalInfo

Accessibility: Read/Write

The List of Principals who are Site Admins. This property is returned only if the caller is an Auditor.

3.2.5.434.1.2 ObjectPath Properties

None.

3.2.5.435 Microsoft.SharePoint.Client.Sharing.PersonalWeb

TypeId: {DF04740C-846C-466E-A30F-E3128F45F8C0}

ShortName: SP.Sharing.PersonalWeb

Microsoft.SharePoint.Client.Sharing.PersonalWeb namespace represents methods that apply to a **Web site** for individual users. Methods act on the users default **document library**.

3.2.5.435.1 Properties

3.2.5.435.1.1 Scalar Properties

None.

3.2.5.435.1.2 ObjectPath Properties

None.

3.2.5.435.2 Methods

3.2.5.435.2.1 Scalar Methods

3.2.5.435.2.1.1 FixPermissionInheritance

This method is a **static CSOM method**.

Return Type: None

This method fixes the permission inheritance for the default document library of the personal web when breakRoleInheritance didn't happen correctly during the default document library creation.

Parameters: None

3.2.5.435.2.1.2 GetOversharedWebInfo

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.Sharing.OversharedWebInfo

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This method gets users/groups who have access to default document library of current personal web.

Parameters: None

3.2.5.435.2.1.3 RemovePermissionForUsers

This method is a **static CSOM method**.

Return Type: **CSOM array** of Microsoft.SharePoint.Client.Sharing.UserSharingResult

This method removes the given users who have access to the default **document library** of current personal web.

Parameters:

users: The users who have access to entire default document library.

Type: CSOM array of Microsoft.SharePoint.Client.Sharing.Principal

3.2.5.435.2.2 ObjectPath Methods

None.

3.2.5.436 Microsoft.SharePoint.Client.Sharing.Principal

TypeId: {FEE7EF67-6F88-4770-AFFE-145366518A1B}

ShortName: SP.Sharing.Principal

Microsoft.SharePoint.Client.Sharing.Principal class is a representation of an identity (user/group).

3.2.5.436.1 Properties

3.2.5.436.1.1 Scalar Properties

3.2.5.436.1.1.1 email

Type: **CSOM String**

Accessibility: Read/Write

Email address of the Principal.

3.2.5.436.1.1.2 id

Type: **CSOM Int32**

Accessibility: Read/Write

Id of the Principal in SharePoint's UserInfo List.

3.2.5.436.1.1.3 isActive

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value representing if the Principal is Active.

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3.2.5.436.1.1.4 isExternal

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean value representing if the Principal is an external user.

3.2.5.436.1.1.5 jobTitle

Type: **CSOM String**

Accessibility: Read/Write

The Job Title of the Principal.

3.2.5.436.1.1.6 loginName

Type: **CSOM String**

Accessibility: Read/Write

LoginName of the Principal.

3.2.5.436.1.1.7 name

Type: **CSOM String**

Accessibility: Read/Write

Name of the Principal.

3.2.5.436.1.1.8 principalType

Type: Microsoft.SharePoint.Client.Utilities.PrincipalType

Accessibility: Read/Write

PrincipalType of the Principal.

3.2.5.436.1.1.9 userId

Type: Microsoft.SharePoint.Client.UserIdInfo

Accessibility: Read Only

Identity information of the Principal.

3.2.5.436.1.2 ObjectPath Properties

None.

3.2.5.437 Microsoft.SharePoint.Client.Sharing.PrincipalInfo

TypeId: {91D5E7A9-FD99-4B7B-9F7F-ADCA1BF31F05}

ShortName: SP.Sharing.PrincipalInfo

SP.Sharing.PrincipalInfo class represents Principal and its Role on the **list item**.

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3.2.5.437.1 Properties

3.2.5.437.1.1 Scalar Properties

3.2.5.437.1.1.1 principal

Type: Microsoft.SharePoint.Client.Sharing.Principal

Accessibility: Read/Write

The Principal who has permission on the **list item**.

3.2.5.437.1.1.2 role

Type: Microsoft.SharePoint.Client.Sharing.Role

Accessibility: Read/Write

The role that the Principal has on the **list item**.

3.2.5.437.1.2 ObjectPath Properties

None.

3.2.5.438 Microsoft.SharePoint.Client.Sharing.Recipient

TypeId: {077C1FD2-6569-452B-862E-405EE70AC93F}

ShortName: SP.Sharing.Recipient

This class represents an Entity for which Permission check is requested for a given **list item**.

3.2.5.438.1 Properties

3.2.5.438.1.1 Scalar Properties

3.2.5.438.1.1.1 alias

Type: **CSOM String**

Accessibility: Read/Write

The alias of the recipient.

3.2.5.438.1.1.2 email

Type: **CSOM String**

Accessibility: Read/Write

The email address of the recipient.

3.2.5.438.1.1.3 objectId

Type: **CSOM String**

Accessibility: Read/Write

The objectId of the recipient.

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3.2.5.438.1.2 ObjectPath Properties

None.

3.2.5.439 Microsoft.SharePoint.Client.Sharing.SecurableObjectExtensions

TypeId: {7479EB87-DFD9-4F5F-94B6-DFB5B4296150}

ShortName: SP.Sharing.SecurableObjectExtensions

Contains extension methods of **securable object**.

3.2.5.439.1 Properties

3.2.5.439.1.1 Scalar Properties

None.

3.2.5.439.1.2 ObjectPath Properties

None.

3.2.5.439.2 Methods

3.2.5.439.2.1 Scalar Methods

3.2.5.439.2.1.1 CheckPermissions

This method is a **static CSOM method**.

Return Type: **CSOM array** of Microsoft.SharePoint.Client.Sharing.EntityPermission

This method can be used to check the permission on a **list item** that a give array of recipients have on it. It returns an array of EntityPermission's.

Parameters:

listItem: List item on which the check permission needs to be performed.

Type: Microsoft.SharePoint.Client.ListItem

recipients: Array of recipients for whom the permissions needs to be checked.

Type: CSOM array of Microsoft.SharePoint.Client.Sharing.Recipient

3.2.5.439.2.1.2 DeleteLinkByKind

This method is a **static CSOM method**.

Return Type: None

Removes the specified **tokenized sharing link** of the **list item**

Parameters:

item: The list item MUST refer to a **document** within a **document library**.

Type: Microsoft.SharePoint.Client.ListItem

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linkKind: The kind of tokenized sharing link that is intended to be removed.

Type: Microsoft.SharePoint.Client.SharingLinkKind

This MUST be set to one of the following values:

- **OrganizationView** (section 3.2.5.315.1.3)
- **OrganizationEdit** (section 3.2.5.315.1.4)
- **AnoymousView** (section 3.2.5.315.1.5)
- **AnonymousEdit** (section 3.2.5.315.1.6)

3.2.5.439.2.1.3 ShareLink

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.Sharing.ShareLinkResponse

Creates a **tokenized sharing link** for a **list item** based on the specified parameters and optionally sends an email to the people that are listed in the specified parameters.

Parameters:

listItem: The list item intended to be shared.

Type: Microsoft.SharePoint.Client.ListItem

The list item MUST refer to a **document** within a **document library**.

request: The request options for sharing a tokenized sharing link for the list item.

Type: Microsoft.SharePoint.Client.Sharing.ShareLinkRequest

3.2.5.439.2.1.4 UnshareLink

This method is a **static CSOM method**.

Return Type: None

Removes the specified **tokenized sharing link** of the **list item**.

Parameters:

item: The shared list item that represents a **document** within a **document library**.

Type: Microsoft.SharePoint.Client.ListItem

linkKind: The kind of tokenized sharing link that is intended to be removed.

Type: Microsoft.SharePoint.Client.SharingLinkKind

If the shareId parameter is populated with is null or an **empty GUID**, this MUST be set to one of the following values:

- **OrganizationView** (section 3.2.5.315.1.3)
- **OrganizationEdit** (section 3.2.5.315.1.4)
- **AnoymousView** (section 3.2.5.315.1.5)

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- **AnonymousEdit** (section 3.2.5.315.1.6)

If the shareId parameter is not populated with is null or an empty GUID, this MAY also be set to:

- **Flexible** (section 3.2.5.315.1.7)

shareId: This optional value specifies the **globally unique identifier (GUID)** of the tokenized sharing link that is intended to be removed.

Type: **CSOM GUID**

If this value is null or an empty GUID then only the linkKind parameter value MUST be used to look up the existing tokenized sharing link. If this value is specified, the linkKind parameter value MUST match the configured kind for the tokenized sharing link represented by this identifier and this identifier MUST be used to look up the existing tokenized sharing link.

3.2.5.439.2.1.5 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:

item: The **list item** intended to be shared.

Type: Microsoft.SharePoint.Client.ListItem

userRoleAssignments: An array of recipients with the assigned role on the **securable object**.

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 enough 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 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.

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Type: **CSOM String**

includeAnonymousLinksInNotification: A Boolean flag that indicates whether 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

propagateAcl: A flag to determine if permissions SHOULD be pushed to items with unique permission.

Type: CSOM Boolean

3.2.5.439.2.2ObjectPath Methods

3.2.5.439.2.2.1 ForwardObjectLink

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.SharingResult

Shares an object in SharePoint, such as a **list item** or a site with no **ACL** changes, by sending the link. This is used when the user has no permission to share and cannot send access request. The user can use this method to send the link of the object to site members who already have permission to view the object.

Parameters:

item: The list item intended to be shared.

Type: Microsoft.SharePoint.Client.ListItem

peoplePickerInput: A string of JSON serialized data representing a list of **principals** in people picker format. Entries in the people picker MUST be existing site members who have view-permission to the object.

Type: **CSOM String**

emailSubject: The e-mail subject.

Type: CSOM String

emailBody: The e-mail body.

Type: CSOM String

3.2.5.439.2.2.2 GetObjectSharingSettings

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.ObjectSharingSettings

Gets the sharing settings of a **list item**.

Parameters:

item: List item for which we want the sharing settings.

Type: Microsoft.SharePoint.Client.ListItem

useSimplifiedRoles: Boolean value input to use simplified roles.

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Type: **CSOM Boolean**

3.2.5.439.2.2.3 GetSharingInformation

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.Sharing.SharingInformation

Gets the sharing information for a **list item**.

Parameters:

listItem: The intended list item for which Sharing Information needs to be returned.

Type: Microsoft.SharePoint.Client.ListItem

request: The **SharingInformationRequest** object.

Type: Microsoft.SharePoint.Client.Sharing.SharingInformationRequest

3.2.5.439.2.2.4 ShareObject

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.SharingResult

This method shares a **list item**. It returns a **SharingResult** object which contains the completion script and a page to redirect to if desired.

Parameters:

item: The list item intended to be shared.

Type: Microsoft.SharePoint.Client.ListItem

peoplePickerInput: A string of JSON serialized data representing a list of **principals** in people picker format.

Type: **CSOM String**

roleValue: The sharing role value for the type of permission to grant on the object.

Type: CSOM String

groupId: The ID of the group to be added. Zero if not adding to a permissions group.

Type: **CSOM Int32**

propagateAcl: A flag to determine if permissions SHOULD be pushed to items with unique permissions.

Type: **CSOM Boolean**

sendEmail: A flag to determine if an email notification SHOULD be sent (if email is configured).

Type: CSOM Boolean

includeAnonymousLinkInEmail: If an email is being sent, this determines if an anonymous link SHOULD be added to the message.

Type: CSOM Boolean

emailSubject: The email subject.

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Type: CSOM String

emailBody: The email body.

Type: CSOM String

useSimplifiedRoles: A Boolean value indicating whether to use the SharePoint simplified roles (Edit, View) or not.

Type: CSOM Boolean

3.2.5.439.2.2.5 UnshareObject

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.SharingResult

Removes Sharing permissions on an object

Parameters:

item: The **list item** intended to be unshared.

Type: Microsoft.SharePoint.Client.ListItem

3.2.5.440 Microsoft.SharePoint.Client.Sharing.SharedDocInfoSet

TypeId: {3AED49F2-5B02-4F61-AFC7-CFB212CA8FCF}

ShortName: SP.Sharing.SharedDocInfoSet

Microsoft.SharePoint.Client.Sharing.SharedDocInfoSet is not applicable.<272>

3.2.5.440.1 Properties

3.2.5.440.1.1 Scalar Properties

None.

3.2.5.440.1.2 ObjectPath Properties

None.

3.2.5.440.2 Methods

3.2.5.440.2.1 Scalar Methods

None.

3.2.5.440.2.2 ObjectPath Methods

None.

3.2.5.441 Microsoft.SharePoint.Client.Sharing.SharedObjectType

ShortName: SP.Sharing.SharedObjectType

Flag: false

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Identifies the type of object that is shared

3.2.5.441.1 Field Values

3.2.5.441.1.1 Unknown

Value: 0

The object type is unable to be determined.

3.2.5.441.1.2 File

Value: 1

The object is a **file** stored in a **list**.

3.2.5.441.1.3 Folder

Value: 2

The object is a **list folder**.

3.2.5.441.1.4 Item

Value: 3

The object is a **list item**.

3.2.5.441.1.5 List

Value: 4

The object is a **list**.

3.2.5.441.1.6 Web

Value: 5

The object is a **Web site**.

3.2.5.441.1.7 Max

Value: 6

Unused

3.2.5.442 Microsoft.SharePoint.Client.Sharing.ShareLinkRequest

TypeId: {3FE76F3E-CABD-4AA2-8091-D0345E2EAC74}

ShortName: SP.Sharing.ShareLinkRequest

Represents a request for the retrieval or creation of a **tokenized sharing link**.

3.2.5.442.1 Properties

3.2.5.442.1.1 Scalar Properties

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3.2.5.442.1.1.1 createLink

Type: **CSOM Boolean**

Accessibility: Read/Write

Indicates whether the operation attempts to create the **tokenized sharing link** based on the requested settings if it does not currently exist.

If set to true, the operation will attempt to retrieve an existing tokenized sharing link that matches the requested settings and failing that will attempt to create a new tokenized sharing link based on the requested settings. If false, the operation will attempt to retrieve an existing tokenized sharing link that matches the requested settings and failing that will terminate the operation.

3.2.5.442.1.1.2 emailData

Type: Microsoft.SharePoint.Client.Sharing.EmailData

Accessibility: Read/Write

This contains optional data that defines some of the content in the email message sent to the list of identities in the **peoplePickerInput** field (section 3.2.5.442.1.1.5). If populated, an email message will be sent to the email addresses of each of the identities once the **tokenized sharing link** is retrieved or created.

If email is intended to be sent but no optional message values are to be set, this value MUST be populated but MUST have no values set within this object.

If email is intended to not be sent, this value is null then no email will be sent.

3.2.5.442.1.1.3 expiration

Type: **CSOM String**

Accessibility: Read/Write

A date/time string for which the format conforms to the ISO 8601:2004(E) complete representation for calendar date and time of day and which represents the time and date of expiry for the **tokenized sharing link**. Both the minutes and hour value MUST be specified for the difference between the local and UTC time. Midnight is represented as 00:00:00. For example: YYYYMMDDThhmmssZ YYYYMMDDThhmmss±hhmm YYYYMMDDThhmmss±hh:mm YYYYMMDDThhmmssfffZ YYYY-MM-DDThh:mm:ssZ YYYY-MM-DDThh:mm:ss±hh:mm YYYY-MM-DDThh:mm:ss±hhmm YYYY-MM-DDThh:mm:ss.fffZ A null value indicates no expiry.

This value is only applicable to tokenized sharing links that are **anonymous access links**.

This value MAY be set however it is considered obsolete. This value is superseded by an equivalent expiration value (section 3.2.5.444.1.1.2) of the settings object stored in the settings field (section 3.2.5.442.1.1.6).

3.2.5.442.1.1.4 linkKind

Type: Microsoft.SharePoint.Client.SharingLinkKind

Accessibility: Read/Write

The kind of the **tokenized sharing link** to be created/updated or retrieved.

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This value MAY be set however it is considered obsolete. This value is superseded by an equivalent linkKind value (section 3.2.5.444.1.1.4) of the settings object stored in the settings field (section 3.2.5.442.1.1.6).

3.2.5.442.1.1.5 peoplePickerInput

Type: **CSOM String**

Accessibility: Read/Write

A string of **JSON** serialized data representing users in people picker format. This value specifies a list of identities that will be pre-granted access through the **tokenized sharing link** and optionally sent an e-mail notification.

If this value is null or empty, no identities will be will be pre-granted access through the tokenized sharing link and no notification email will be sent.

3.2.5.442.1.1.6 settings

Type: Microsoft.SharePoint.Client.Sharing.ShareLinkSettings

Accessibility: Read/Write

The settings for the **tokenized sharing link** to be created/updated.

This value MUST NOT be set to Uninitialized (section 3.2.5.315.1.1) nor Direct (section 3.2.5.315.1.2).

3.2.5.442.1.2 ObjectPath Properties

None.

3.2.5.443 Microsoft.SharePoint.Client.Sharing.ShareLinkResponse

TypeId: {E8A89A08-8B8B-4216-8E8A-BA21911CCD85}

ShortName: SP.Sharing.ShareLinkResponse

Represents a response for a request for the retrieval or creation/update of a **tokenized sharing link**.

3.2.5.443.1 Properties

3.2.5.443.1.1 Scalar Properties

3.2.5.443.1.1.1 sharingLinkInfo

Type: Microsoft.SharePoint.Client.SharingLinkInfo

Accessibility: Read Only

A data structure that represents the settings and information about the **tokenized sharing link**. This MUST be populated if the sharing operation is returning a tokenized sharing link.

3.2.5.443.1.2 ObjectPath Properties

None.

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3.2.5.444 Microsoft.SharePoint.Client.Sharing.ShareLinkSettings

TypeId: {298F5C7C-DCD6-40EA-B0BF-86EE4E92AA26}

ShortName: SP.Sharing.ShareLinkSettings

Represents the settings the retrieval or creation/update of a **tokenized sharing link**

3.2.5.444.1 Properties

3.2.5.444.1.1 Scalar Properties

3.2.5.444.1.1.1 allowAnonymousAccess

Type: **CSOM Boolean**

Accessibility: Read/Write

Indicates if the **tokenized sharing link** supports anonymous access. This value is optional and defaults to false for **Flexible** links (section 3.2.5.315.1.7) and is ignored for other link kinds.

3.2.5.444.1.1.2 expiration

Type: **CSOM String**

Accessibility: Read/Write

A date/time string for which the format conforms to the ISO 8601:2004(E) complete representation for calendar date and time of day and which represents the time and date of expiry for the **tokenized sharing link**. Both the minutes and hour value MUST be specified for the difference between the local and UTC time. Midnight is represented as 00:00:00. For example: YYYYMMDDThhmmssZ YYYYMMDDThhmmss±hhmm YYYYMMDDThhmmss±hh:mm YYYYMMDDThhmmssfffZ YYYY-MM-DDThh:mm:ssZ YYYY-MM-DDThh:mm:ss±hh:mm YYYY-MM-DDThh:mm:ss±hhmm YYYY-MM-DDThh:mm:ss.fffZ A null value indicates no expiry.

This value is only applicable to tokenized sharing links that are **anonymous access links**

3.2.5.444.1.1.3 inviteesToRemove

Type: **CSOM array** of Microsoft.SharePoint.Client.Sharing.Principal

Accessibility: Read/Write

Optional set of invitee principals to remove from an existing sharing link. This applies only to update operations on existing **tokenized sharing links** that have invitees.

3.2.5.444.1.1.4 linkKind

Type: Microsoft.SharePoint.Client.SharingLinkKind

Accessibility: Read/Write

The kind of the **tokenized sharing link** to be created/updated or retrieved.

This value MUST NOT be set to **Uninitialized** (section 3.2.5.315.1.1) nor **Direct** (section 3.2.5.315.1.2)

3.2.5.444.1.1.5 password

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Type: **CSOM String**

Accessibility: Read/Write

Optional password value to apply to the **tokenized sharing link**, if it can support password protection.

If this value is null or empty when the **updatePassword** parameter is set, any existing password on the tokenized sharing link MUST be cleared. Any other value will be applied to the tokenized sharing link as a password setting.

3.2.5.444.1.1.6 restrictShareMembership

Type: **CSOM Boolean**

Accessibility: Read/Write

Indicates if the **tokenized sharing link** restricts share access, allowing only those explicitly invited in advance to use the link.

This value MUST NOT be true when the **allowAnonymousAccess** parameter is true or when the linkKind is any other value than **Flexible** (section 3.2.5.315.1.7).

3.2.5.444.1.1.7 role

Type: Microsoft.SharePoint.Client.Sharing.Role

Accessibility: Read/Write

The role to be used for the **tokenized sharing link**. This is required for **Flexible** links (section 3.2.5.315.1.7) and ignored for all other kinds.

3.2.5.444.1.1.8 shareId

Type: **CSOM GUID**

Accessibility: Read/Write

The optional unique identifier of an existing section **tokenized sharing link** to be retrieved and updated if necessary.

3.2.5.444.1.1.9 updatePassword

Type: **CSOM Boolean**

Accessibility: Read/Write

Indicates whether to update (set or clear) the password value for the specified **tokenized sharing link**. This value is applicable only if the tokenized sharing link can support password protection.

If set to true, the password value MUST be applied to the new or existing tokenized sharing link if the link can support password protection. If set to false the password value in this request MUST be ignored.

3.2.5.444.1.2 ObjectPath Properties

None.

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3.2.5.445 Microsoft.SharePoint.Client.Sharing.SharingAbilities

TypeId: {BAE25567-A77A-4B28-B922-A0B70D1D2211}

ShortName: SP.Sharing.SharingAbilities

Represents the matrix of possible sharing abilities for direct sharing and **tokenized sharing links** along with the state of each capability for the current user.

3.2.5.445.1 Properties

3.2.5.445.1.1 Scalar Properties

3.2.5.445.1.1.1 anonymousLinkAbilities

Type: Microsoft.SharePoint.Client.Sharing.SharingLinkAbilities

Accessibility: Read Only

Indicates abilities for **anonymous access links**.

3.2.5.445.1.1.2 directSharingAbilities

Type: Microsoft.SharePoint.Client.Sharing.DirectSharingAbilities

Accessibility: Read Only

Indicates abilities for direct sharing of a **document** using the **canonical URL**.

3.2.5.445.1.1.3 organizationLinkAbilities

Type: Microsoft.SharePoint.Client.Sharing.SharingLinkAbilities

Accessibility: Read Only

Indicates abilities for **organization access links**.

3.2.5.445.1.1.4 peopleSharingLinkAbilities

Type: Microsoft.SharePoint.Client.Sharing.SharingLinkAbilities

Accessibility: Read Only

Indicates abilities for **tokenized sharing links** that are configured to support only a predefined restricted membership set.

3.2.5.445.1.2 ObjectPath Properties

None.

3.2.5.446 Microsoft.SharePoint.Client.Sharing.SharingAbilityStatus

TypeId: {A07D70B0-03A8-4AAE-89F0-C07C460C1F67}

ShortName: SP.Sharing.SharingAbilityStatus

Represents the status for a specific sharing capability for the current user.

3.2.5.446.1 Properties

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3.2.5.446.1.1 Scalar Properties

3.2.5.446.1.1.1 disabledReason

Type: Microsoft.SharePoint.Client.Sharing.SharingCapabilityDisabledReason

Accessibility: Read Only

Indicates the reason why the capability is disabled if the capability is disabled for any reason.

This value MUST be **None** (section 3.2.5.447.1.2) if the capability is not disabled.

This value MUST be **Unavailable** (section 3.2.5.447.1.1) if this capability is not applicable.

This value MUST be one of the other **SharingCapabilityDisabledReasons** (section 3.2.5.447) if the capability is disabled for any reason.

3.2.5.446.1.1.2 enabled

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether capability is enabled.

This value MUST be true if this capability is enabled and MUST be false if it is not.

3.2.5.446.1.2 ObjectPath Properties

None.

3.2.5.447 Microsoft.SharePoint.Client.Sharing.SharingCapabilityDisabledReason

ShortName: SP.Sharing.SharingCapabilityDisabledReason

Flag: false

The reason why a sharing capability is disabled.

3.2.5.447.1 Field Values

3.2.5.447.1.1 Unavailable

Value: -1

Unavailable/not implemented.

3.2.5.447.1.2 None

Value: 0

Not disabled.

3.2.5.447.1.3 Disabled

Value: 1

Sharing is Disabled.

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3.2.5.447.1.4 NotShareableByLink

Value: 2

Could not be cast to a shareable by link object.

3.2.5.447.1.5 ParentListIsPrivate

Value: 3

Cannot create **tokenized sharing link** when parent list is private.

3.2.5.447.1.6 ParentListIsCatalogDocLib

Value: 4

Cannot create **tokenized sharing link** when parent list is catalog document library.

3.2.5.447.1.7 NotSupportedByWOPI

Value: 5

Cannot create **tokenized sharing link** when container object not supported by WOPI.

3.2.5.447.1.8 IRMIsEnabled

Value: 6

Cannot create a **tokenized sharing link** when **IRM** is enabled.

3.2.5.447.1.9 DocumentIsProtectedByDLP

Value: 7

Document is blocked from sharing externally due to document lifecycle policy features.

3.2.5.447.1.10 ForceCheckoutEditLink

Value: 8

Anonymous access link that supports read access are not allowed in a force checkout scenario.

3.2.5.447.1.11 AnonymousEditLinkNotAllowedByTenant

Value: 9

Anonymous access link that supports edit access is not allowed by tenant anonymous link settings.

3.2.5.447.1.12 NonClaimsWebapp

Value: 10

Cannot share **anonymous access links** on non-claims authentication enabled **web application**.

3.2.5.447.1.13 AccessDeniedToAnonGuest

Value: 11

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User is currently authenticated as an anonymous guest and is attempting to get or create a **tokenized sharing link** so does not have permissions to do so.

3.2.5.447.1.14 BlockedByWhoCanShareSettings

Value: 12

User is not allowed to share to external users due to tenant settings for who can share.

3.2.5.447.1.15 BlockedByExternalShareSettings

Value: 13

User is not allowed to share to external users due to tenant external sharing settings.

3.2.5.447.1.16 AccessDeniedNotEnoughPermissions

Value: 14

User does not have permissions to share.

3.2.5.447.1.17 AccessDeniedToExternalUser

Value: 15

User currently is authenticated as a ShareByEmailGuest and is attempting to get or create a **tokenized sharing link** so does not have permissions to do so.

3.2.5.448 Microsoft.SharePoint.Client.Sharing.SharingDomainRestrictionMode

ShortName: SP.Sharing.SharingDomainRestrictionMode

Flag: false

Check if tenant is now honoring allow list or deny list, or just disabled this setting.

3.2.5.448.1 Field Values

3.2.5.448.1.1 None

Value: 0

Tenant has not configured or disabled either allowed or blocked domain list.

3.2.5.448.1.2 AllowList

Value: 1

Tenant has configured an active allowed domain list.

3.2.5.448.1.3 BlockList

Value: 2

Tenant has configured an active blocked domain list.

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3.2.5.449 Microsoft.SharePoint.Client.Sharing.SharingInformation

TypeId: {A683DDD7-7930-4DCC-88FE-DC326C5E514E}

ShortName: SP.Sharing.SharingInformation

Represents a response for Microsoft.SharePoint.Client.Sharing.SecurableObjectExtensions.GetSharingInformation.

The accessRequestSettings, domainRestrictionSettings and permissionsInformation properties are not included in the **default scalar property set** for this type.

3.2.5.449.1 Properties

3.2.5.449.1.1 Scalar Properties

3.2.5.449.1.1.1 accessRequestSettings

Type: Microsoft.SharePoint.Client.Sharing.AccessRequestSettings

Accessibility: Read Only

AccessRequestSettings is an optional property set to retrieve details for pending access requests if present.

3.2.5.449.1.1.2 anonymousLinkExpirationRestrictionDays

Type: **CSOM Int32**

Accessibility: Read/Write

Tenant's anonymous link expiration restriction in days.

3.2.5.449.1.1.3 blockPeoplePickerAndSharing

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean indicating whether the current user can use the People Picker to do any sharing.

3.2.5.449.1.1.4 canAddExternalPrincipal

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean indicating if the current user can perform External Sharing.

3.2.5.449.1.1.5 canAddInternalPrincipal

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean indicating if the current user can perform Internal Sharing with users in the same tenancy.

3.2.5.449.1.1.6 canRequestAccessForGrantAccess

Type: **CSOM Boolean**

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Accessibility: Read/Write

Boolean indicating is access request ON/OFF for Sharing.

3.2.5.449.1.1.7 canSendEmail

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean indicating of the current user has rights to Send Email.

3.2.5.449.1.1.8 canUseSimplifiedRoles

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean indicating if can use simplified roles is present in the Roles enum.

3.2.5.449.1.1.9 currentRole

Type: Microsoft.SharePoint.Client.Sharing.Role

Accessibility: Read/Write

The current user's **Role** on the **list item**.

3.2.5.449.1.1.10 defaultLinkKind

Type: Microsoft.SharePoint.Client.SharingLinkKind

Accessibility: Read/Write

The default **SharingLinkKind**.

3.2.5.449.1.1.11 defaultShareLinkPermission

Type: Microsoft.SharePoint.Client.Sharing.Role

Accessibility: Read/Write

The Default **tokenized sharing link** permission returned as a Role.

3.2.5.449.1.1.12 directUrl

Type: **CSOM String**

Accessibility: Read/Write

The **full URL** for the **list item** (Encoded).

3.2.5.449.1.1.13 domainRestrictionSettings

Type: Microsoft.SharePoint.Client.Sharing.DomainRestrictionSettings

Accessibility: Read Only

Whether **DomainRestrictionSettings** is used to limit the external Users set by Admin.

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3.2.5.449.1.1.14 hasUniquePermissions

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean indicating if the current **list item** has unique permissions.

3.2.5.449.1.1.15 microserviceShareUiUrl

Type: **CSOM String**

Accessibility: Read/Write

Microservice Share UI Url for the Securable Object (Encoded).

3.2.5.449.1.1.16 permissionsInformation

Type: Microsoft.SharePoint.Client.Sharing.PermissionCollection

Accessibility: Read Only

The **PermissionCollection** that are on the **list item**. It contains a collection of **PrincipalInfo** and **LinkInfo**.

3.2.5.449.1.1.17 sharedObjectType

Type: Microsoft.SharePoint.Client.Sharing.SharedObjectType

Accessibility: Read/Write

The type of **list item** (SPSharedObjectType).

3.2.5.449.1.1.18 shareUiUrl

Type: **CSOM String**

Accessibility: Read/Write

The **full URL** where the Share control for the **list item** is hosted. (Encoded).

3.2.5.449.1.1.19 sharingAbilities

Type: Microsoft.SharePoint.Client.Sharing.SharingAbilities

Accessibility: Read/Write

Matrix of possible sharing abilities per sharing type and the state of each capability for the current user on the **list item**.

3.2.5.449.1.1.20 sharingStatus

Type: Microsoft.SharePoint.Client.Sharing.SharingStatus

Accessibility: Read/Write

SharingStatus of the current **list item**. It refers to whether its shared or private in personal default **document library**.

3.2.5.449.1.1.21 showExternalSharingWarning

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Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean indicating whether the client logic warns the user that they are about to share with external email addresses.

3.2.5.449.1.1.22 webUrl

Type: **CSOM String**

Accessibility: Read/Write

Parent Web **full URL** for the **list item** (Encoded).

3.2.5.449.1.2 ObjectPath Properties

3.2.5.449.1.2.1 pickerSettings

Type: Microsoft.SharePoint.Client.PickerSettings

Accessibility: Read Only

PickerSettings used by the PeoplePicker Control.

3.2.5.449.2 Methods

3.2.5.449.2.1 Scalar Methods

None.

3.2.5.449.2.2 ObjectPath Methods

None.

3.2.5.450 Microsoft.SharePoint.Client.Sharing.SharingInformationRequest

TypeId: {F66716BA-8B69-477C-8509-BAF98B4F60DE}

ShortName: SP.Sharing.SharingInformationRequest

Represents the optional Request Object for Microsoft.SharePoint.Client.Sharing.SecurableObjectExtensions.GetSharingInformation.

3.2.5.450.1 Properties

3.2.5.450.1.1 Scalar Properties

3.2.5.450.1.1.1 clientSupportedFeatures

Type: **CSOM String**

Accessibility: Read/Write

Supported Features (For future use by Office Client).

3.2.5.450.1.1.2 maxPrincipalsToReturn

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Type: **CSOM Int32**

Accessibility: Read/Write

Maximum number of principals to return.

3.2.5.450.1.2 ObjectPath Properties

None.

3.2.5.451 Microsoft.SharePoint.Client.Sharing.SharingLinkAbilities

TypeId: {C6DA9A62-B159-43B8-8C38-144F3E70D14F}

ShortName: SP.Sharing.SharingLinkAbilities

Represents the set of capabilities for specific configurations of **tokenized sharing link** for the current user and whether they are enabled or not.

3.2.5.451.1 Properties

3.2.5.451.1.1 Scalar Properties

3.2.5.451.1.1.1 canGetEditLink

Type: Microsoft.SharePoint.Client.Sharing.SharingAbilityStatus

Accessibility: Read Only

Indicates whether the current user can get an existing **tokenized sharing link** that provides edit access.

3.2.5.451.1.1.2 canGetReadLink

Type: Microsoft.SharePoint.Client.Sharing.SharingAbilityStatus

Accessibility: Read Only

Indicates whether the current user can get an existing **tokenized sharing link** that provides read access.

3.2.5.451.1.1.3 canHaveExternalUsers

Type: Microsoft.SharePoint.Client.Sharing.SharingAbilityStatus

Accessibility: Read Only

Indicates whether the **tokenized sharing link** supports external users.

3.2.5.451.1.1.4 canManageEditLink

Type: Microsoft.SharePoint.Client.Sharing.SharingAbilityStatus

Accessibility: Read Only

Indicates whether current user can create/manage a **tokenized sharing link** that provides edit access.

3.2.5.451.1.1.5 canManageReadLink

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Type: Microsoft.SharePoint.Client.Sharing.SharingAbilityStatus

Accessibility: Read Only

Indicates whether the current user can create/manage a **tokenized sharing link** that provides read access.

3.2.5.451.1.1.6 linkExpiration

Type: Microsoft.SharePoint.Client.Sharing.SharingLinkExpirationAbilityStatus

Accessibility: Read Only

Indicates whether the **tokenized sharing link** supports expiration.

3.2.5.451.1.1.7 passwordProtected

Type: Microsoft.SharePoint.Client.Sharing.SharingLinkPasswordAbilityStatus

Accessibility: Read Only

Indicates whether the **tokenized sharing link** supports password protection.

3.2.5.451.1.2 ObjectPath Properties

None.

3.2.5.452 Microsoft.SharePoint.Client.Sharing.SharingLinkAccessRequest

TypeId: {52F77AAE-0FED-4F77-B13D-1C039129F39D}

ShortName: SP.Sharing.SharingLinkAccessRequest

Represents extended values to include in a request for access to an object exposed through a **tokenized sharing link**.

3.2.5.452.1 Properties

3.2.5.452.1.1 Scalar Properties

3.2.5.452.1.1.1 ensureAccess

Type: **CSOM Boolean**

Accessibility: Read/Write

Indicates if the request to the **tokenized sharing link** grants perpetual access to the calling user.

3.2.5.452.1.1.2 password

Type: **CSOM String**

Accessibility: Read/Write

This value contains the password to be supplied to a **tokenized sharing link** for validation. This value is only needed if the link requires a password before granting access and the calling user does not currently have perpetual access through the tokenized sharing link.

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This value MUST be set to the correct password for the tokenized sharing link for the access granting operation to succeed. If the tokenized sharing link does not require a password or the calling user already has perpetual access through the tokenized sharing link, this value will be ignored.

3.2.5.452.1.2 ObjectPath Properties

None.

3.2.5.453 Microsoft.SharePoint.Client.Sharing.SharingLinkExpirationAbilityStatus

TypeId: {1F935920-81AE-4BCC-9B37-6AAEA648F3FD}

ShortName: SP.Sharing.SharingLinkExpirationAbilityStatus

Represents expiration capabilities status for **tokenized sharing links** for the current user.

3.2.5.453.1 Properties

3.2.5.453.1.1 Scalar Properties

3.2.5.453.1.1.1 defaultExpirationInDays

Type: **CSOM Int32**

Accessibility: Read Only

Indicates the default expiration value.

3.2.5.453.1.1.2 disabledReason

Type: Microsoft.SharePoint.Client.Sharing.SharingCapabilityDisabledReason

Accessibility: Read Only

Indicates the reason why this ability is disabled.

This value MUST be None (section 3.2.5.447.1.2) if the ability is not disabled.

This value MUST be Unavailable (section 3.2.5.447.1.1) if this capability is not applicable.

This value MUST be one of the other SharingCapabilityDisabledReasons (section 3.2.5.447) if the capability is disabled for any reason.

3.2.5.453.1.1.3 enabled

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether this ability is enabled.

This value MUST be true if this ability is enabled and MUST be false if it is not.

3.2.5.453.1.2 ObjectPath Properties

None.

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3.2.5.454 Microsoft.SharePoint.Client.Sharing.SharingLinkPasswordAbilityStatus

TypeId: {5FA2CA32-318D-44A4-9811-6E0CA65351B9}

ShortName: SP.Sharing.SharingLinkPasswordAbilityStatus

Represents password capabilities status for **tokenized sharing links** for the current user.

3.2.5.454.1 Properties

3.2.5.454.1.1 Scalar Properties

3.2.5.454.1.1.1 disabledReason

Type: Microsoft.SharePoint.Client.Sharing.SharingCapabilityDisabledReason

Accessibility: Read Only

Indicates reason why ability is disabled.

This value MUST be None (section 3.2.5.447.1.2) if the ability is not disabled.

This value MUST be Unavailable (section 3.2.5.447.1.1) if this capability is not applicable.

This value MUST be one of the other SharingCapabilityDisabledReasons (section 3.2.5.447) if the capability is disabled for any reason.

3.2.5.454.1.1.2 enabled

Type: **CSOM Boolean**

Accessibility: Read Only

Indicates whether this ability is enabled.

This value MUST be true if this ability is enabled and MUST be false if it is not.

3.2.5.454.1.2 ObjectPath Properties

None.

3.2.5.455 Microsoft.SharePoint.Client.Sharing.SharingStatus

ShortName: SP.Sharing.SharingStatus

Flag: false

Contains the values of 3 allowed Sharing Status of a **list item**. The values are applicable to the list items present in the users personal document library.

3.2.5.455.1 Field Values

3.2.5.455.1.1 Unavailable

Value: -1

Unavailable or not implemented.

3.2.5.455.1.2 Private

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Value: 1

Not Shared.

3.2.5.455.1.3 Shared

Value: 2

Shared.

3.2.5.456 Microsoft.SharePoint.Client.Sharing.UserDirectoryInfo

TypeId: {7FF155A1-B124-4E27-A0BE-F96AAF7AB861}

ShortName: SP.Sharing.UserDirectoryInfo

User information from directory service.

3.2.5.456.1 Properties

3.2.5.456.1.1 Scalar Properties

3.2.5.456.1.1.1 Name

Type: **CSOM String**

Accessibility: Read/Write

Name of the directory user.

3.2.5.456.1.1.2 NetId

Type: **CSOM String**

Accessibility: Read/Write

User NetId property in directory.

3.2.5.456.1.1.3 PrimaryEmail

Type: **CSOM String**

Accessibility: Read/Write

User primary email of the directory user. E.g. user@domain.com.

3.2.5.456.1.1.4 PrincipalName

Type: **CSOM String**

Accessibility: Read/Write

Principal name of the directory user. E.g. user@domain.com.

3.2.5.456.1.2 ObjectPath Properties

None.

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3.2.5.457 Microsoft.SharePoint.Client.SharingLinkData

TypeId: {28A0779D-8BC1-4F12-8D19-23FD631BEA10}

ShortName: SP.SharingLinkData

This class stores basic overview information about the link URL, including limited data about the object the link URL refers to and any additional sharing link data if the link URL is a **tokenized sharing link**.

3.2.5.457.1 Properties

3.2.5.457.1.1 Scalar Properties

3.2.5.457.1.1.1 Expiration

Type: **CSOM String**

Accessibility: Read/Write

The UTC date/time string with complete representation for calendar date and time of day which represents the time and date of expiry for the **tokenized sharing link** (i.e. is not accessible anymore). Format returned from get operation is "YYYY-MM-DDThh:mm:ss.fffZ" (e.g. "2016-09-22T12:20:10.125Z"), with a null value indicating no expiry. The date/time string format for set operations conforms to the ISO 8601:2004(E) complete representation for calendar date and time of day. Both the minutes and hour value MUST be specified for the difference between the local and UTC time. Midnight is represented as 00:00:00. For example: YYYYMMDDThhmmssZ YYYYMMDDThhmmss±hhmm YYYYMMDDThhmmss±hh:mm YYYYMMDDThhmmssfffZ YYYY-MM-DDThh:mm:ssZ YYYY-MM-DDThh:mm:ss±hh:mm YYYY-MM-DDThh:mm:ss±hhmm YYYY-MM-DDThh:mm:ss.fffZ A null value indicates no expiry.

If the link URL is a tokenized sharing link that supports expiration and has an expiration value set, this MUST indicate when the tokenized sharing link is set to expire and stop providing access through the link, it MUST be null otherwise.

3.2.5.457.1.1.2 HasExternalGuestInvitees

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean indicating whether the link URL is a **tokenized sharing link** that has any external guest invitees (external users explicitly invited by email address).

This value MUST be true only if the link URL is a tokenized sharing link which is configured to support specific external guest invitees, otherwise this MUST be false.

3.2.5.457.1.1.3 IsAnonymous

Type: **CSOM Boolean**

Accessibility: Read/Write

Boolean indicating if the link is anonymously accessible.

This value MUST be true if the link URL is an **anonymous access link**, otherwise this MUST be false.

3.2.5.457.1.1.4 IsFormsLink

Type: **CSOM Boolean**

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Accessibility: Read/Write

Indicates if the link URL is a **tokenized sharing link** that supports forms sharing. This is limited to only tokenized sharing links generated with the Excel Survey feature.

This value MUST be true only if the link URL is a tokenized sharing link which is configured to support forms sharing, otherwise this MUST be false.

3.2.5.457.1.1.5 IsOriginatedFromSharingFlow

Type: **CSOM Boolean**

Accessibility: Read/Write

Indicates whether the link URL is generated from sharing dialog.

This value MUST be true only if the link URL contains a value that indicates it originated from the sharing dialog, otherwise this MUST be false.

3.2.5.457.1.1.6 IsReviewLink

Type: **CSOM Boolean**

Accessibility: Read/Write

Indicates if the link URL is a **tokenized sharing link** that supports review operations.

This value MUST be true only if the link URL is a tokenized sharing link which is configured to support access with the review role, otherwise this MUST be false.

3.2.5.457.1.1.7 IsSharingLink

Type: **CSOM Boolean**

Accessibility: Read/Write

Indicates if the link URL is a **tokenized sharing link**.

This value MUST be true only if the link URL is a tokenized sharing link, otherwise this MUST be false.

3.2.5.457.1.1.8 IsWritable

Type: **CSOM Boolean**

Accessibility: Read/Write

Indicates if the link URL is a **tokenized sharing link** that supports write/edit operations.

This value MUST be true only if the link URL is a tokenized sharing link which is configured to support access with the edit role, otherwise this MUST be false.

3.2.5.457.1.1.9 LinkKind

Type: Microsoft.SharePoint.Client.SharingLinkKind

Accessibility: Read/Write

The kind of link that the link URL refers to.

3.2.5.457.1.1.10 ObjectType

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Type: Microsoft.SharePoint.Client.Sharing.SharedObjectType

Accessibility: Read/Write

The type of object the link URL refers to.

3.2.5.457.1.1.11 ObjectUniqueId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique identifier of the object the link URL refers to.

3.2.5.457.1.1.12 RequiresPassword

Type: **CSOM Boolean**

Accessibility: Read/Write

Indicates if the link URL is a **tokenized sharing link** that requires a password before users can gain access.

This value MUST be true only if the link URL is a tokenized sharing link which is configured to support access only with a password, otherwise this MUST be false.

3.2.5.457.1.1.13 RestrictedShareMembership

Type: **CSOM Boolean**

Accessibility: Read/Write

Indicates whether the link URL allows access only to a specified membership set.

This MUST be true if the link URL is a **tokenized sharing link** that is configured to support restricted share membership, or if the link URL is the **canonical URL** for a document as access is enforced by membership in an **access control list (ACL)**, otherwise it MUST be false.

3.2.5.457.1.1.14 ShareId

Type: **CSOM GUID**

Accessibility: Read/Write

The identifier of the object that stores the settings of a **tokenized sharing link** specified by the link URL.

This value MUST be an **empty GUID** if the link URL is not a tokenized sharing link and MUST be set to the identity of the object that stores the settings if the link URL is a tokenized sharing link.

3.2.5.457.1.2 ObjectPath Properties

None.

3.2.5.458 Microsoft.SharePoint.Client.SharingState

ShortName: SP.SharingState

Flag: false

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Contains the values of the 3 allowed states for Sharing properties.

3.2.5.458.1 Field Values

3.2.5.458.1.1 Unspecified

Value: 0

State 1: Unspecified. Implies that the Tenant Adnin is choosing to let Site and Web Owners specify the behavior for Sharing Property State

3.2.5.458.1.2 On

Value: 1

State 2: On. Implies that Tenant Admin is forcing Sharing Property State to behave as if they are set to True

3.2.5.458.1.3 Off

Value: 2

State 3: Off. Implies that Tenant Admin is forcing Sharing Property State to behave as if they are set to False

3.2.5.459 Microsoft.SharePoint.Client.SharingUtility

TypeId: {92EE6C48-9E9C-456A-801F-63E68A88C184}

ShortName: SP.SharingUtility

Provides sharing related utility methods.

3.2.5.459.1 Properties

3.2.5.459.1.1 Scalar Properties

None.

3.2.5.459.1.2 ObjectPath Properties

None.

3.2.5.459.2 Methods

3.2.5.459.2.1 Scalar Methods

3.2.5.459.2.1.1 GetUserDirectoryInfoByEmail

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.Sharing.UserDirectoryInfo

Get user information by the user's email address in directory.

Parameters:

email: The email address of a user.

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Type: **CSOM String**

3.2.5.459.2.1.2 ValidateSameUserEmails

This method is a **static CSOM method**.

Return Type: CSOM Boolean

Validate the primary email/principal name and other email are of the same user.

Parameters:

primaryEmail: User's primary email address

Type: **CSOM String**

otherEmail: Another email address.

Type: CSOM String

principalName: User's principal name.

Type: CSOM String

3.2.5.459.2.2 ObjectPath Methods

None.

3.2.5.460 Microsoft.SharePoint.Client.ShowInFiltersPaneStatus

ShortName: SP.ShowInFiltersPaneStatus

Flag: false

Represents status to determine whether the filters pane will show the field.

3.2.5.460.1 Field Values

3.2.5.460.1.1 Auto

Value: 0

Field will be auto determined to show/hide in filters pane based on the list data.

3.2.5.460.1.2 Pinned

Value: 1

Field will pin in Filters pane.

3.2.5.460.1.3 Removed

Value: 2

Field will never show in filters pane.

3.2.5.461 Microsoft.SharePoint.Client.SPBingMapsInformation

TypeId: {9C6E38AD-BBFE-472E-A5CB-7F9DD9F60EE3}

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ShortName: SP.SPBingMapsInformation

Represents the Bing maps key and related configurations. These configurations are set by administrator with PowerShell Cmdlets.

3.2.5.461.1 Properties

3.2.5.461.1.1 Scalar Properties

3.2.5.461.1.1.1 IsBlockedInCurrentRegion

Type: **CSOM Boolean**

Accessibility: Read/Write

A flag indicates if the current region is blocked to use Bing maps by administrator.

This configuration is set by Set-SPBingMapsBlock Cmdlet. The value is same as retrieved from Get-SPBingMapsBlock Cmdlet.

3.2.5.461.1.1.2 Key

Type: **CSOM String**

Accessibility: Read/Write

The Bing maps key configurated by administrator.

This configuration is set by Set-SPBingMapsKey Cmdlet. The value is same as retrieved from Get-SPBingMapsKey Cmdlet.

3.2.5.461.1.2 ObjectPath Properties

None.

3.2.5.461.2 Methods

3.2.5.461.2.1 Scalar Methods

None.

3.2.5.461.2.2 ObjectPath Methods

None.

3.2.5.462 Microsoft.SharePoint.Client.SPChangeActivityType

ShortName: SP.SPChangeActivityType

Flag: false

Activity types.

3.2.5.462.1 Field Values

3.2.5.462.1.1 NoActivity

Value: 0

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No activity.

3.2.5.462.1.2 Hashtag

Value: 1

Hashtag activity.

3.2.5.462.1.3 Spotlight

Value: 2

Spotlight activity.

3.2.5.462.1.4 Comment

Value: 3

Comment activity.

3.2.5.463 Microsoft.SharePoint.Client.SPOpenBinaryOptions

ShortName: SP.SPOpenBinaryOptions

Flag: true

Provides values to pass when opening a binary stream file when using the **OpenBinary** or **OpenBinaryStream** methods.

3.2.5.463.1 Field Values

3.2.5.463.1.1 None

Value: 0

Provides no options on opening the binary file stream.

3.2.5.463.1.2 Unprotected

Value: 2

Disables information rights management for this operation.

3.2.5.463.1.3 SkipVirusScan

Value: 4

Enables opening a binary stream file without running a virus scan when using the **OpenBinary** or **OpenBinaryStream** methods.

3.2.5.463.1.4 MinimizeProcessing

Value: 1

Does not write back changes to the stream lazily made by the parser (e.x. link fixup).

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3.2.5.464 Microsoft.SharePoint.Client.SPScriptSafeDomainsCollection

TypeId: {C971BEDB-702E-47AE-9A24-41137291A744}

ShortName: SP.SPScriptSafeDomainsCollection

Microsoft.SharePoint.Client.SPScriptSafeDomainsCollection is not applicable.<273>

3.2.5.464.1 Properties

3.2.5.464.1.1 Scalar Properties

None.

3.2.5.464.1.2 ObjectPath Properties

None.

3.2.5.464.2 Methods

3.2.5.464.2.1 Scalar Methods

None.

3.2.5.464.2.2 ObjectPath Methods

####### 3.2.5.464.2.2.1 GetByDomainName

Return Type: Microsoft.SharePoint.Client.ScriptSafeDomain

Get ScriptSafeDomain object by domain name.

Parameters:

domainName: Specifies the domain name.

Type: **CSOM String**

It MUST NOT be empty.

3.2.5.465 Microsoft.SharePoint.Client.SPVariantThemeType

ShortName: SP.SPVariantThemeType

Flag: false

Microsoft.SharePoint.Client.SPVariantThemeType is not applicable.<274>

3.2.5.465.1 Field Values

None.

3.2.5.466 Microsoft.SharePoint.Client.SPVirusCheckStatus

ShortName: SP.SPVirusCheckStatus

Flag: false

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Specifies the virus infection status of the file.

3.2.5.466.1 Field Values

3.2.5.466.1.1 Clean

Value: 0

The file is clean.

3.2.5.466.1.2 Infected

Value: 1

The file is infected.

3.2.5.466.1.3 InfectedCleanable

Value: 2

The file is infected and cleanable.

3.2.5.466.1.4 Cleaned

Value: 3

The file is cleaned.

3.2.5.466.1.5 CleanFailed

Value: 4

Failed on cleaning the file.

3.2.5.466.1.6 Deleted

Value: 5

The file is deleted.

3.2.5.466.1.7 Timeout

Value: 6

Error for virus scanning.

3.2.5.467 Microsoft.SharePoint.Client.TeamChannelManager

TypeId: {9C3B73DF-2147-4E44-AFF6-DAF69B75EF2B}

ShortName: SP.TeamChannelManager

This class is a placeholder for all TeamChannel related methods.

3.2.5.467.1 Properties

3.2.5.467.1.1 Scalar Properties

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None.

3.2.5.467.1.2 ObjectPath Properties

None.

3.2.5.467.2 Methods

3.2.5.467.2.1 Scalar Methods

3.2.5.467.2.1.1 DemoteTeamChannelById

This method is a **static CSOM method**.

Return Type: CSOM Boolean

Disconnects a folder from a team channel. Removes the team channel ProgId and leave the team channel Url alone.

Parameters:

folderId: Specifies the ID of the folder.

Type: **CSOM GUID**

It MUST NOT be NULL.

3.2.5.467.2.1.2 DemoteTeamChannelByPath

This method is a **static CSOM method**.

Return Type: CSOM Boolean

Disconnect a folder from a team channel. take away the team channel ProgId and leave the team channel Url alone.

Parameters:

folderPath: Specifies the server relative path for the folder.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

3.2.5.467.2.1.3 PromoteToTeamChannelById

This method is a **static CSOM method**.

Return Type: CSOM Boolean

Promote a folder to a team channel. Give it the team channel ProgId and set the team channel Url

Parameters:

folderId: Specifies the **GUID** of the folder.

Type: **CSOM GUID**

It MUST NOT be NULL.

teamChannelUrl: Specifies the team channel **URL**.

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Type: **CSOM String**

channelName: Specifies the name of the channel. If empty, the existing folder name will be kept as is.

Type: CSOM String

3.2.5.467.2.1.4 PromoteToTeamChannelByPath

This method is a **static CSOM method**.

Return Type: **CSOM Boolean**

Promote a folder to a team channel. Give it the team channel ProgId and set the team channel Url

Parameters:

folderPath: Specifies the server relative path for the folder.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

teamChannelUrl: Specifies the team channel **URL**.

Type: **CSOM String**

channelName: Specifies the name of the channel. If empty, the existing folder name will be kept as is.

Type: CSOM String

3.2.5.467.2.2 ObjectPath Methods

3.2.5.467.2.2.1 AddTeamChannel

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.Folder

Create Team Channel based folder with specific prodID.

Parameters:

parentFolderPath: Server relative path of the folder.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

newFolderPath: New folder name.

Type: Microsoft.SharePoint.Client.ResourcePath

It MUST NOT be NULL.

teamChannelUrl: Team channel URL to be stored in the folder metadata.

Type: **CSOM String**

3.2.5.468 Microsoft.SharePoint.Client.Utilities.FileHandlerWopiProperties

TypeId: {D5F6D0C5-4056-4951-B565-F3E558D37289}

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ShortName: SP.Utilities.FileHandlerWopiProperties

Microsoft.SharePoint.Client.Utilities.FileHandlerWopiProperties is not applicable.<275>

3.2.5.468.1 Properties

3.2.5.468.1.1 Scalar Properties

None.

3.2.5.468.1.2 ObjectPath Properties

None.

3.2.5.468.2 Methods

3.2.5.468.2.1 Scalar Methods

None.

3.2.5.468.2.2 ObjectPath Methods

None.

3.2.5.469 Microsoft.SharePoint.Client.Utilities.JsonTheme

TypeId: {CAA8F0B6-1852-4D37-9FE7-565664BD32AB}

ShortName: SP.Utilities.JsonTheme

Microsoft.SharePoint.Client.Utilities.JsonTheme is not applicable.<276>

3.2.5.469.1 Properties

3.2.5.469.1.1 Scalar Properties

None.

3.2.5.469.1.2 ObjectPath Properties

None.

3.2.5.470 Microsoft.SharePoint.Client.Utilities.NewsItem

TypeId: {E56C7408-C249-40F9-8209-E58C234C8403}

ShortName: SP.Utilities.NewsItem

Represents an item in the News List.

3.2.5.470.1 Properties

3.2.5.470.1.1 Scalar Properties

3.2.5.470.1.1.1 backupPictureUrl

Type: **CSOM String**

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Accessibility: Read/Write

The url of the picture to use for this News Item if the primary picture breaks.

3.2.5.470.1.1.2 caption

Type: **CSOM String**

Accessibility: Read/Write

The caption for the News Item.

3.2.5.470.1.1.3 fileExtension

Type: **CSOM String**

Accessibility: Read/Write

File extension (indicating the type of file) if the resource is a file.

3.2.5.470.1.1.4 itemId

Type: **CSOM Int32**

Accessibility: Read/Write

The id of the list item storing this news post.

3.2.5.470.1.1.5 newsType

Type: Microsoft.SharePoint.Client.Utilities.NewsType

Accessibility: Read/Write

Indicates the type of object the resource is.

3.2.5.470.1.1.6 pictureAltText

Type: **CSOM String**

Accessibility: Read/Write

Alt text to use on the image of the picture for the News Item.

3.2.5.470.1.1.7 pictureUrl

Type: **CSOM String**

Accessibility: Read/Write

The url of the picture for the News Item.

3.2.5.470.1.1.8 progId

Type: **CSOM String**

Accessibility: Read/Write

The program identifier for the resource, if the resource is a file or a folder. Used to determine which program to use when the resource is opened.

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3.2.5.470.1.1.9 properties

Type: **CSOM String**

Accessibility: Read/Write

A JSON blob of properties for the News Item.

3.2.5.470.1.1.10 siteId

Type: **CSOM GUID**

Accessibility: Read/Write

The site ID of the SP.Site the resource is in. If the resource is not a recognized type, or is not in a site, this will be the empty Guid.

3.2.5.470.1.1.11 title

Type: **CSOM String**

Accessibility: Read/Write

The title of the resource. If the resource does not have a title, or is not a recognized type this will be the empty string.

3.2.5.470.1.1.12 uniqueId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique ID of the resource. If the resource does not have a unique ID or is not a recognized type, this will be the empty Guid.

3.2.5.470.1.1.13 url

Type: **CSOM String**

Accessibility: Read/Write

The URL of the resource.

3.2.5.470.1.1.14 webId

Type: **CSOM GUID**

Accessibility: Read/Write

The web ID of the SP.Web the resource is in. If the resource is not a recognized type, or is not in a web, this will be the empty Guid.

3.2.5.470.1.2 ObjectPath Properties

None.

3.2.5.471 Microsoft.SharePoint.Client.Utilities.NewsItemFlags

ShortName: SP.Utilities.NewsItemFlags

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Flag: true

Additional flags that can apply to an item.

3.2.5.471.1 Field Values

3.2.5.471.1.1 None

Value: 0

Indicates that none of the flags apply to this item.

3.2.5.471.1.2 DefaultItem

Value: 1

Indicates that this item is a default item, created by SharePoint.

3.2.5.472 Microsoft.SharePoint.Client.Utilities.NewsItemMetaData

TypeId: {97FD8A65-2B4D-4D93-A8BF-F2E9952AB5A0}

ShortName: SP.Utilities.NewsItemMetaData

Contains metadata about the resource at a given url. The url might or might not be in SharePoint.

3.2.5.472.1 Properties

3.2.5.472.1.1 Scalar Properties

3.2.5.472.1.1.1 fileExtension

Type: **CSOM String**

Accessibility: Read/Write

File extension (indicating the type of file) if the resource is a file.

3.2.5.472.1.1.2 newsType

Type: Microsoft.SharePoint.Client.Utilities.NewsType

Accessibility: Read/Write

Indicates the type of object the resource is.

3.2.5.472.1.1.3 progId

Type: **CSOM String**

Accessibility: Read/Write

The program identifier for the resource, if the resource is a file or a folder. Used to determine which program to use when the resource is opened.

3.2.5.472.1.1.4 siteId

Type: **CSOM GUID**

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Accessibility: Read/Write

The site ID of the SP.Site the resource is in. If the resource is not a recognized type, or is not in a site, this will be the empty Guid.

3.2.5.472.1.1.5 title

Type: **CSOM String**

Accessibility: Read/Write

The title of the resource. If the resource does not have a title, or is not a recognized type this will be the empty string.

3.2.5.472.1.1.6 uniqueId

Type: **CSOM GUID**

Accessibility: Read/Write

The unique ID of the resource. If the resource does not have a unique ID or is not a recognized type, this will be the empty Guid.

3.2.5.472.1.1.7 url

Type: **CSOM String**

Accessibility: Read/Write

The URL of the resource.

3.2.5.472.1.1.8 webId

Type: **CSOM GUID**

Accessibility: Read/Write

The web ID of the SP.Web the resource is in. If the resource is not a recognized type, or is not in a web, this will be the empty Guid.

3.2.5.472.1.2 ObjectPath Properties

None.

3.2.5.473 Microsoft.SharePoint.Client.Utilities.NewsType

ShortName: SP.Utilities.NewsType

Flag: false

Indicates the type of resource an SP.Utilities.NewsItemMetadata item represents.

3.2.5.473.1 Field Values

3.2.5.473.1.1 File

Value: 0

Indicates that the resource is a file in SharePoint.

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3.2.5.473.1.2 Folder

Value: 1

Indicates that the resource is a folder in SharePoint.

3.2.5.473.1.3 Link

Value: 2

Indicates that the resource is an arbitrary URL, which might or might not be in SharePoint. This is the default case.

3.2.5.473.1.4 ListItem

Value: 3

Indicates that the resource is a List Item in SharePoint.

3.2.5.473.1.5 List

Value: 4

Indicates that the resource is a List in SharePoint.

3.2.5.473.1.6 DocumentLibrary

Value: 5

Indicates that the resource is a Document Library in SharePoint.

3.2.5.474 Microsoft.SharePoint.Client.Utilities.NewsUtility

TypeId: {E7C27B43-EBF7-40F1-A1C8-AC694C10A0EA}

ShortName: SP.Utilities.NewsUtility

Provides tools for dealing with the QuickLinks feature. The reason this class is called SPNewsUtility is that at the time this file was written, the QuickLinks feature was called the "News" feature.

3.2.5.474.1 Properties

3.2.5.474.1.1 Scalar Properties

None.

3.2.5.474.1.2 ObjectPath Properties

None.

3.2.5.474.2 Methods

3.2.5.474.2.1 Scalar Methods

3.2.5.474.2.1.1 CreateOrUpdateNewsItem

This method is a **static CSOM method**.

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Return Type: **CSOM Int32**

Creates a new item in the News List or updates an existing one.

Parameters:

itemData: Information about the item to be created or updated.

Type: Microsoft.SharePoint.Client.Utilities.NewsItem

afterItemId: The item will be created or moved after the indicated item if this value is positive.

Type: CSOM Int32

3.2.5.474.2.1.2 DeleteNewsItem

This method is a **static CSOM method**.

Return Type: None

Deletes the item indicated by itemId.

Parameters:

itemId: Indicates the item to delete.

Type: **CSOM Int32**

3.2.5.474.2.1.3 GetMetadataForUrl

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.Utilities.NewsItemMetaData

Retrieves the metadata about the indicated resource needed in order to add it to the News List.

Parameters:

url: Indicates the resource to retrieve metadata about.

Type: **CSOM String**

useContextWeb: If true, searches for the URL in the current context web. This is faster but will fail if the url is not located in the current context web.

Type: **CSOM Boolean**

3.2.5.474.2.2 ObjectPath Methods

None.

3.2.5.475 Microsoft.SharePoint.Client.Utilities.ShortcutLink

TypeId: {3703EE23-B792-4E69-B1ED-56826521AFEA}

ShortName: SP.Utilities.ShortcutLink

Class for handling shortcut links.

3.2.5.475.1 Properties

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3.2.5.475.1.1 Scalar Properties

None.

3.2.5.475.1.2 ObjectPath Properties

None.

3.2.5.475.2 Methods

3.2.5.475.2.1 Scalar Methods

None.

3.2.5.475.2.2 ObjectPath Methods

3.2.5.475.2.2.1 GetShortcutLink

This method is a **static CSOM method**.

Return Type: Microsoft.SharePoint.Client.Utilities.ShortcutTargetInfo

Processes a shortcut file to extract its target and save that value in the shortcut file's property bag.

If applicable, also saves the target's site id, web id, and file unique id to the property bag.

If the shortcut file does not contain a valid target URL, this method returns the path to the shortcut file.

Parameters:

shortcutPath: The absolute URL of the shortcut file to process.

Type: **CSOM String**

3.2.5.476 Microsoft.SharePoint.Client.Utilities.ShortcutTargetInfo

TypeId: {7D40E829-711F-4672-9A7C-4098782BFA58}

ShortName: SP.Utilities.ShortcutTargetInfo

The entity data object for shortcut link target information.

Some of the properties only apply to shortcut targets that are in SharePoint.

3.2.5.476.1 Properties

3.2.5.476.1.1 Scalar Properties

3.2.5.476.1.1.1 siteId

Type: CSOM GUID

Accessibility: Read/Write

The ID of the <see cref="SPSite"/> containing the shortcut target, if applicable.

3.2.5.476.1.1.2 uniqueId

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Type: **CSOM GUID**

Accessibility: Read/Write

The UniqueId of the <see cref="SPFile"/> corresponding to the shortcut target, if applicable.

3.2.5.476.1.1.3 url

Type: **CSOM String**

Accessibility: Read/Write

The target URL of the shortcut.

3.2.5.476.1.1.4 webId

Type: **CSOM GUID**

Accessibility: Read/Write

The ID of the <see cref="SPWeb"/> containing the shortcut target, if applicable.

3.2.5.476.1.2 ObjectPath Properties

None.

3.2.5.476.2 Methods

3.2.5.476.2.1 Scalar Methods

None.

3.2.5.476.2.2 ObjectPath Methods

None.

3.2.5.477 Microsoft.SharePoint.Client.Utilities.SpotlightResult

TypeId: {49DC00D0-6338-4C4D-8827-2D82A867CD44}

ShortName: SP.Utilities.SpotlightResult

Contains the result of a spotlight operation, such as AddToSpotlight or RemoveFromSpotlight, and also contains the updated set of items in the spotlight.

3.2.5.477.1 Properties

3.2.5.477.1.1 Scalar Properties

3.2.5.477.1.1.1 Order

Type: **CSOM array** of **CSOM Int32**

Accessibility: Read/Write

An ordered IEnumerable of list item ids which indicates the resulting order of spotlight items after a spotlight operation, such as AddToSpotlight or RemoveFromSpotlight.

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3.2.5.477.1.1.2 ResultCode

Type: Microsoft.SharePoint.Client.Utilities.SpotlightResultCode

Accessibility: Read/Write

Indicates success or the failure reason of a spotlight operation, such as AddToSpotlight or RemoveFromSpotlight.

3.2.5.477.1.2 ObjectPath Properties

None.

3.2.5.477.2 Methods

3.2.5.477.2.1 Scalar Methods

None.

3.2.5.477.2.2 ObjectPath Methods

None.

3.2.5.478 Microsoft.SharePoint.Client.Utilities.SpotlightResultCode

ShortName: SP.Utilities.SpotlightResultCode

Flag: false

Indicates success or the failure reason of a spotlight operation, such as AddToSpotlight or RemoveFromSpotlight.

3.2.5.478.1 Field Values

3.2.5.478.1.1 Success

Value: 0

The operation succeeded.

3.2.5.478.1.2 FolderDoesNotExist

Value: 1

The operation failed because the indicated folder does not exist.

3.2.5.478.1.3 ItemDoesNotExist

Value: 2

The operation failed because the indicated item does not exist.

3.2.5.478.1.4 TooManyItems

Value: 3

The operation failed because the number of items the current folder's spotlight exceeded the maximum.

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3.2.5.478.1.5 ItemNotInSpotlight

Value: 4

The operation failed because the indicated item was not in spotlight.

3.2.5.478.1.6 InvalidArgument

Value: 5

The operation failed because an invalid argument was passed in.

3.2.5.478.1.7 ServerError

Value: 6

The operation failed due to an error on the server.

3.2.5.479 Microsoft.SharePoint.Client.Utilities.SPSocialSwitch

TypeId: {AA7F12FA-FFE8-4607-A085-09A563D77EEB}

ShortName: SP.Utilities.SPSocialSwitch

Provides methods to determine whether certain social features are enabled or disabled.

3.2.5.479.1 Properties

3.2.5.479.1.1 Scalar Properties

None.

3.2.5.479.1.2 ObjectPath Properties

None.

3.2.5.479.2 Methods

3.2.5.479.2.1 Scalar Methods

3.2.5.479.2.1.1 IsFollowingFeatureEnabled

This method is a **static CSOM method**.

Return Type: **CSOM Boolean**

Returns true if the SPSocial follow feature is enabled, taking into account the current context as appropriate. Specifically, if there is a SP.Web within the SP.RequestContext, this method will take into account whether the FollowingContent feature is activated within the SP.Web as well. Regardless of whether there is an SP.Web within the context, it will take into account if SPSocial is enabled at the tenant level.

Parameters: None

3.2.5.479.2.2 ObjectPath Methods

None.

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3.2.5.480 Microsoft.SharePoint.Client.Utilities.ThemingOptions

TypeId: {22177C35-3B3B-4E8F-BE80-97B53BE0B0B5}

ShortName: SP.Utilities.ThemingOptions

Microsoft.SharePoint.Client.Utilities.ThemingOptions is not applicable.<277>

3.2.5.480.1 Properties

3.2.5.480.1.1 Scalar Properties

None.

3.2.5.480.1.2 ObjectPath Properties

None.

3.2.5.481 Microsoft.SharePoint.Client.Utilities.UploadStatus

TypeId: {B67BB458-2B47-4E3C-8A50-F7AE33A1D7D3}

ShortName: SP.Utilities.UploadStatus

The status of a chunk session upload.

3.2.5.481.1 Properties

3.2.5.481.1.1 Scalar Properties

3.2.5.481.1.1.1 ExpectedContentRange

Type: **CSOM String**

Accessibility: Read Only

The string representation of the byte offset of the stream uploaded in chunk upload session that the next **ContinueUpload** (3.2.5.64.2.1.17) call uses to continue chunk upload.

3.2.5.481.1.1.2 ExpirationDateTime

Type: **CSOM DateTime**

Accessibility: Read/Write

The earliest time at which the chunk upload session will be automatically expired and then deleted.

3.2.5.481.1.1.3 UploadId

Type: **CSOM GUID**

Accessibility: Read/Write

Unique Id of the chunk session upload.

3.2.5.481.1.2 ObjectPath Properties

None.

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3.2.5.481.2 Methods

3.2.5.481.2.1 Scalar Methods

None.

3.2.5.481.2.2 ObjectPath Methods

None.

3.2.5.482 Microsoft.SharePoint.Client.Utilities.WebAppExtUrlPair

TypeId: {65AB7214-194D-4DED-B1C9-0A2E01E30C81}

ShortName: SP.Utilities.WebAppExtUrlPair

Extension/Prog Id and its Web application url Pair.

3.2.5.482.1 Properties

3.2.5.482.1.1 Scalar Properties

3.2.5.482.1.1.1 Ext

Type: **CSOM String**

Accessibility: Read/Write

Document extension.

3.2.5.482.1.1.2 WacUrl

Type: **CSOM String**

Accessibility: Read/Write

WebApplication url for this file extentsion.

3.2.5.482.1.2 ObjectPath Properties

None.

3.2.5.483 Microsoft.SharePoint.Client.Utilities.WebAppUrlsByAction

TypeId: {073E22D2-B763-4F8E-B3B0-8DC1E425AC62}

ShortName: SP.Utilities.WebAppUrlsByAction

Microsoft.SharePoint.Client.Utilities.WebAppUrlsByAction is not applicable.<278>

3.2.5.483.1 Properties

3.2.5.483.1.1 Scalar Properties

None.

3.2.5.483.1.2 ObjectPath Properties

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None.

3.2.5.484 Microsoft.SharePoint.Client.Utilities.WopiWebAppProperties

TypeId: {E6E88CA4-B529-4E87-9199-AEAA3F9D0CF9}

ShortName: SP.Utilities.WopiWebAppProperties

Microsoft.SharePoint.Client.Utilities.WopiWebAppProperties is not applicable.<279>

3.2.5.484.1 Properties

3.2.5.484.1.1 Scalar Properties

None.

3.2.5.484.1.2 ObjectPath Properties

None.

3.2.5.485 Microsoft.SharePoint.Client.Visualization

TypeId: {E19FE976-FCF7-4E2B-A738-AE521F941767}

ShortName: SP.Visualization

Microsoft.SharePoint.Client.Visualization is not applicable.<280>

3.2.5.485.1 Properties

3.2.5.485.1.1 Scalar Properties

None.

3.2.5.485.1.2 ObjectPath Properties

None.

3.2.5.486 Microsoft.SharePoint.Client.VisualizationAppInfo

TypeId: {47684720-7A91-4DB0-828A-50F42E8678BB}

ShortName: SP.VisualizationAppInfo

Microsoft.SharePoint.Client.VisualizationAppInfo is not applicable.<281>

3.2.5.486.1 Properties

3.2.5.486.1.1 Scalar Properties

None.

3.2.5.486.1.2 ObjectPath Properties

None.

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3.2.5.487 Microsoft.SharePoint.Client.VisualizationAppMappedViewCollection

TypeId: {97C60F7B-3061-47C1-A65D-444D8EAD845D}

ShortName: SP.VisualizationAppMappedViewCollection

Microsoft.SharePoint.Client.VisualizationAppMappedViewCollection is not applicable.<282>

3.2.5.487.1 Properties

3.2.5.487.1.1 Scalar Properties

None.

3.2.5.487.1.2 ObjectPath Properties

None.

3.2.5.487.2 Methods

3.2.5.487.2.1 Scalar Methods

None.

3.2.5.487.2.2 ObjectPath Methods

None.

3.2.5.488 Microsoft.SharePoint.Client.VisualizationAppSynchronizationResult

TypeId: {CE91BEFA-B1C4-459E-BAC5-18CEB35E037C}

ShortName: SP.VisualizationAppSynchronizationResult

Microsoft.SharePoint.Client.VisualizationAppSynchronizationResult is not applicable.<283>

3.2.5.488.1 Properties

3.2.5.488.1.1 Scalar Properties

None.

3.2.5.488.1.2 ObjectPath Properties

None.

3.2.5.488.2 Methods

3.2.5.488.2.1 Scalar Methods

None.

3.2.5.488.2.2 ObjectPath Methods

None.

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3.2.5.489 Microsoft.SharePoint.Client.VisualizationAppSynchronizationStatus

ShortName: SP.VisualizationAppSynchronizationStatus

Flag: false

Microsoft.SharePoint.Client.VisualizationAppSynchronizationStatus is not applicable.<284>

3.2.5.489.1 Field Values

None.

3.2.5.490 Microsoft.SharePoint.Client.VisualizationAppTarget

ShortName: SP.VisualizationAppTarget

Flag: false

Microsoft.SharePoint.Client.VisualizationAppTarget is not applicable.<285>

3.2.5.490.1 Field Values

None.

3.2.5.491 Microsoft.SharePoint.Client.VisualizationField

TypeId: {4F32C806-2DDE-4142-9E2B-2E2E082FB9CF}

ShortName: SP.VisualizationField

Contains CSS properties relating to how an individual field is layed out relative to it's container.

3.2.5.491.1 Properties

3.2.5.491.1.1 Scalar Properties

3.2.5.491.1.1.1 InternalName

Type: **CSOM String**

Accessibility: Read/Write

A Property which will specify which set of sub-elements to apply this set of CSS properties on.

3.2.5.491.1.1.2 Style

Type: **CSOM String**

Accessibility: Read/Write

CSS properties in serialized JSON format.

3.2.5.491.1.2 ObjectPath Properties

None.

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3.2.5.492 Microsoft.SharePoint.Client.VisualizationStyleSet

TypeId: {AB366D26-BE89-4814-B6E6-D9E45AFF97BF}

ShortName: SP.VisualizationStyleSet

Microsoft.SharePoint.Client.VisualizationStyleSet is not applicable.<286>

3.2.5.492.1 Properties

3.2.5.492.1.1 Scalar Properties

None.

3.2.5.492.1.2 ObjectPath Properties

None.

3.2.5.493 Microsoft.SharePoint.Client.VisualizationType

ShortName: SP.VisualizationType

Flag: false

Information about the type of visualization that this SP.View represents.

3.2.5.493.1 Field Values

3.2.5.493.1.1 Standard

Value: 0

This view uses the out-of-the-box visualization controls.

3.2.5.493.1.2 Custom

Value: 1

This view uses various VisualizationStyleSets to define custom controls that show the data.

3.2.5.494 Microsoft.SharePoint.Client.WebParts.WebPartExportMode

ShortName: SP.WebParts.WebPartExportMode

Flag: false

Specifies whether all, some, or none of a WebPart control's properties can be exported.

3.2.5.494.1 Field Values

3.2.5.494.1.1 None

Value: 0

None of a Web Parts control's properties can be exported.

3.2.5.494.1.2 All

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Value: 1

All of a Web Parts control's properties can be exported.

3.2.5.494.1.3 NonSensitiveData

Value: 2

Only properties of a Web Parts control that have been defined as non-sensitive can be exported.

3.2.5.495 Microsoft.SharePoint.ClientSideComponent.SPClientSideComponentIdentifier

TypeId: {B8E5DEF1-DE2D-403C-AF1B-0F5B87233AA3}

ShortName: Microsoft.SharePoint.ClientSideComponent.SPClientSideComponentIdentifier

This identifier uniquely identifies a component.

3.2.5.495.1 Properties

3.2.5.495.1.1 Scalar Properties

3.2.5.495.1.1.1 id

Type: **CSOM String**

Accessibility: Read/Write

The ID of the component.

3.2.5.495.1.1.2 version

Type: **CSOM String**

Accessibility: Read/Write

The version of the component.

3.2.5.495.1.2 ObjectPath Properties

None.

3.2.5.496 Microsoft.SharePoint.ClientSideComponent.SPExtensionType

ShortName: Microsoft.SharePoint.ClientSideComponent.SPExtensionType

Flag: false

Sub-types of an extension component.

3.2.5.496.1 Field Values

3.2.5.496.1.1 Unknown

Value: 0

Unknown extension type

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3.2.5.496.1.2 FieldCustomizer

Value: 1

A client-side extension that customizes the appearance and/or behavior of a SharePoint field, e.g. when it is displayed in a SharePoint list view.

3.2.5.496.1.3 ApplicationCustomizer

Value: 2

A client-side extension that can perform general operations as part of the overall browser page lifecycle.

3.2.5.496.1.4 ListViewCommandSet

Value: 3

A client-side extension that defines a set of custom commands that can be shown in a menu, tool bar, or other UI surface for the SharePoint list view.

3.2.5.497 Microsoft.SharePoint.ClientSideComponent.StorageEntity

TypeId: {499CB725-3086-42F9-86D1-71594212A6CA}

ShortName: Microsoft.SharePoint.ClientSideComponent.StorageEntity

Storage entities which are available across app catalog scopes.

3.2.5.497.1 Properties

3.2.5.497.1.1 Scalar Properties

3.2.5.497.1.1.1 Comment

Type: **CSOM String**

Accessibility: Read Only

Comment on the storage entity

3.2.5.497.1.1.2 Description

Type: **CSOM String**

Accessibility: Read Only

Description of the storage entity.

3.2.5.497.1.1.3 Value

Type: **CSOM String**

Accessibility: Read Only

The value inside the storage entity.

3.2.5.497.1.2 ObjectPath Properties

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None.

3.2.5.497.2 Methods

3.2.5.497.2.1 Scalar Methods

None.

3.2.5.497.2.2 ObjectPath Methods

None.

3.2.5.498 Microsoft.SharePoint.Comments.CommentsDisabledScope

ShortName: Microsoft.SharePoint.Comments.CommentsDisabledScope

Flag: false

Microsoft.SharePoint.Comments.CommentsDisabledScope is not applicable.<287>

3.2.5.498.1 Field Values

None.

3.2.5.499 Microsoft.SharePoint.Internal.ActivityLogger

TypeId: {D3E87991-ED24-4DB6-8F5C-1C37EC905250}

ShortName: Microsoft.SharePoint.Internal.ActivityLogger

Microsoft.SharePoint.Internal.ActivityLogger is not applicable.<288>

3.2.5.499.1 Properties

3.2.5.499.1.1 Scalar Properties

None.

3.2.5.499.1.2 ObjectPath Properties

None.

3.2.5.499.2 Methods

3.2.5.499.2.1 Scalar Methods

None.

3.2.5.499.2.2 ObjectPath Methods

None.

3.2.5.500 Microsoft.SharePoint.Internal.ClientSideComponent.ComponentContextInfo

TypeId: {944D52E1-7032-4583-BB3A-A8198528856C}

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ShortName: Microsoft.SharePoint.Internal.ClientSideComponent.ComponentContextInfo

This class functions as a wrapper of the ContextInfo object. Reserved for internal use only.

3.2.5.500.1 Properties

3.2.5.500.1.1 Scalar Properties

3.2.5.500.1.1.1 SerializedData

Type: **CSOM String**

Accessibility: Read Only

This property returns the serialized version of the **ContextInfo** object. The output string is internal and subject to change. Please avoid taking a direct dependency on shape of the string.

3.2.5.500.1.2 ObjectPath Properties

None.

3.2.5.500.2 Methods

3.2.5.500.2.1 Scalar Methods

None.

3.2.5.500.2.2 ObjectPath Methods

3.2.5.500.2.2.1 CSOM Constructor

Reserved for internal use only.

Parameters: None

3.2.5.501 Microsoft.SharePoint.Likes.likedByInformation

TypeId: {D0A2024E-2CD7-4B35-815C-2E4E6C9A11D2}

ShortName: Microsoft.SharePoint.Likes.likedByInformation

Represents the information about the set of users who liked the **list item**.

3.2.5.501.1 Properties

3.2.5.501.1.1 Scalar Properties

3.2.5.501.1.1.1 isLikedByUser

Type: **CSOM Boolean**

Accessibility: Read/Write

MUST be TRUE if the **current user** has liked the list item.

3.2.5.501.1.1.2 likeCount

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Type: **CSOM Int64**

Accessibility: Read/Write

Number of users that have liked the item.

3.2.5.501.1.2 ObjectPath Properties

3.2.5.501.1.2.1 likedBy

Type: Microsoft.SharePoint.Likes.LikeEntitySet

Accessibility: Read/Write

List of like entries corresponding to individual likes. MUST NOT contain more than one entry for the same user in the set.

3.2.5.501.2 Methods

3.2.5.501.2.1 Scalar Methods

None.

3.2.5.501.2.2 ObjectPath Methods

None.

3.2.5.502 Microsoft.SharePoint.Likes.LikeEntitySet

TypeId: {F6A8FB59-0ACD-44E3-AA48-FFAEA55D1CB6}

ShortName: Microsoft.SharePoint.Likes.LikeEntitySet

Collection of like entries for a list item. MUST NOT contain more than one entry for the same user in the set.

3.2.5.502.1 Properties

3.2.5.502.1.1 Scalar Properties

None.

3.2.5.502.1.2 ObjectPath Properties

None.

3.2.5.502.2 Methods

3.2.5.502.2.1 Scalar Methods

None.

3.2.5.502.2.2 ObjectPath Methods

None.

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3.2.5.503 Microsoft.SharePoint.Likes.LikesAPI

TypeId: {C9CADCF1-90F6-4391-8977-FF2FDAB3B67B}

ShortName: Microsoft.SharePoint.Likes.LikesAPI

This class implements top level methods that allow the client to manipulate likes on list items.

3.2.5.503.1 Properties

3.2.5.503.1.1 Scalar Properties

None.

3.2.5.503.1.2 ObjectPath Properties

None.

3.2.5.503.2 Methods

3.2.5.503.2.1 Scalar Methods

3.2.5.503.2.1.1 Like

This method is a **static CSOM method**.

Return Type: None

Likes the SP.ListItem for the **current user**

Parameters:

item: list item to like

Type: Microsoft.SharePoint.Client.ListItem

MUST fail for the user who already liked the item.

3.2.5.503.2.1.2 Unlike

This method is a **static CSOM method**.

Return Type: None

Unlikes the SP.ListItem for the **current user**.

Parameters:

item: list item to unlike

Type: Microsoft.SharePoint.Client.ListItem

MUST fail if the user hasn't liked the item before.

3.2.5.503.2.2 ObjectPath Methods

3.2.5.503.2.2.1 likedBy

This method is a **static CSOM method**.

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Return Type: Microsoft.SharePoint.Likes.LikeEntitySet

Retrieve the set of likes for the specified list item.

Parameters:

item: list item for which to retrieve likes.

Type: Microsoft.SharePoint.Client.ListItem

The set MUST contain 0 entries for list items that don’t have any likes and MUST contain at most one entry per user.

3.2.5.504 Microsoft.SharePoint.Likes.userEntity

TypeId: {EC921C23-33E4-426C-B4DA-7CC45C854116}

ShortName: Microsoft.SharePoint.Likes.userEntity

Represents a single like within a likedBy set of the list item.

3.2.5.504.1 Properties

3.2.5.504.1.1 Scalar Properties

3.2.5.504.1.1.1 creationDate

Type: **CSOM DateTime**

Accessibility: Read Only

The **Datetime** of the like.

3.2.5.504.1.1.2 email

Type: **CSOM String**

Accessibility: Read Only

The email of the user who liked the item.

3.2.5.504.1.1.3 id

Type: **CSOM Int32**

Accessibility: Read Only

The associated user's internal ID. MUST be unique for each user within a **sites (2)**.

3.2.5.504.1.1.4 loginName

Type: **CSOM String**

Accessibility: Read Only

The associated user's loginName.

3.2.5.504.1.1.5 name

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Type: CSOM String

Accessibility: Read Only

The associated user's name.

3.2.5.504.1.2 ObjectPath Properties

None.

3.2.5.504.2 Methods

3.2.5.504.2.1 Scalar Methods

None.

3.2.5.504.2.2 ObjectPath Methods

None.

3.2.5.505 Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.CorporateCatalogAppMetadata

TypeId: {EF80960B-B867-4A71-B55E-FB0179608E09}

ShortName:
Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.CorporateCatalogAppMetadata

App metadata for apps stored in the corporate catalog.

3.2.5.505.1 Properties

3.2.5.505.1.1 Scalar Properties

3.2.5.505.1.1.1 AppCatalogVersion

Type: CSOM String

Accessibility: Read Only

The version of the app stored in the corporate catalog.

3.2.5.505.1.1.2 CanUpgrade

Type: CSOM Boolean

Accessibility: Read Only

Whether an existing instance of an app can be upgraded.

3.2.5.505.1.1.3 CurrentVersionDeployed

Type: CSOM Boolean

Accessibility: Read Only

Whether the current version of the app is deployed.

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3.2.5.505.1.1.4 Deployed

Type: **CSOM Boolean**

Accessibility: Read Only

Whether the app is deployed.

3.2.5.505.1.1.5 ID

Type: **CSOM String**

Accessibility: Read Only

The identifier of the app.

3.2.5.505.1.1.6 InstalledVersion

Type: **CSOM String**

Accessibility: Read Only

The version of the app that is installed.

3.2.5.505.1.1.7 IsClientSideSolution

Type: **CSOM Boolean**

Accessibility: Read Only

Whether the app is a client-side solution.

3.2.5.505.1.1.8 Title

Type: **CSOM String**

Accessibility: Read Only

The title of the app.

3.2.5.505.1.2 ObjectPath Properties

None.

3.2.5.505.2 Methods

3.2.5.505.2.1 Scalar Methods

3.2.5.505.2.1.1 Deploy

Return Type: None

This method deploys an app on the app catalog. It MUST be called in the context of the tenant app catalog web or it will fail.

Parameters:

skipFeatureDeployment: Specifies whether the app can be centrally deployed across the tenant.

Type: **CSOM Boolean**

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3.2.5.505.2.1.2 Install

Return Type: None

This method allows an app which is already deployed to be installed on a web.

Parameters: None

3.2.5.505.2.1.3 Remove

Return Type: None

This method removes an app from the tenant app catalog.

Parameters: None

3.2.5.505.2.1.4 Retract

Return Type: None

This method retracts a deployed app on the app catalog. It MUST be called in the context of the tenant app catalog web or it will fail.

Parameters: None

3.2.5.505.2.1.5 Uninstall

Return Type: None

This method uninstalls an app from a web.

Parameters: None

3.2.5.505.2.1.6 Upgrade

Return Type: None

This method upgrades an app on a web.

Parameters: None

3.2.5.505.2.2 ObjectPath Methods

None.

3.2.5.506 Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.CorporateCatalogAppMetadataCollection

TypeId: {4E676688-CEDD-481A-ACF6-78BDA4B08211}

ShortName:
Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.CorporateCatalogAppMetadataCollection

Collection of app metadata.

3.2.5.506.1 Properties

3.2.5.506.1.1 Scalar Properties

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None.

3.2.5.506.1.2 ObjectPath Properties

None.

3.2.5.506.2 Methods

3.2.5.506.2.1 Scalar Methods

None.

3.2.5.506.2.2 ObjectPath Methods

3.2.5.506.2.2.1 GetById

Return Type:
Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.CorporateCatalogAppMetadata

Get app metadata by id.

Parameters:

id: The identifier of the app to retrieve.

Type: **CSOM String**

3.2.5.507 Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.SiteCollectionAppCatalogAllowedCollection

TypeId: {E6A14F02-4A7B-4BD2-B869-23A0A63283DB}

ShortName:
Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.SiteCollectionAppCatalogAllowedCollection

Accessor for site collection app catalog allowed list.

3.2.5.507.1 Properties

3.2.5.507.1.1 Scalar Properties

None.

3.2.5.507.1.2 ObjectPath Properties

None.

3.2.5.507.2 Methods

3.2.5.507.2.1 Scalar Methods

3.2.5.507.2.1.1 Remove

Return Type: None

Remove an allowed site collection app catalog from the allowed list.

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Parameters:

absolutePath: The absolute URL of the site collection to remove from the allow list.

Type: **CSOM String**

3.2.5.507.2.1.2 RemoveById

Return Type: None

Remove an allowed site collection app catalog from the allowed list.

Parameters:

siteId: The ID of the site collection to remove from the allow list.

Type: **CSOM GUID**

3.2.5.507.2.2 ObjectPath Methods

3.2.5.507.2.2.1 Add

Return Type:
Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.SiteCollectionAppCatalogAllowedItem

Add a site that is enabled for site collection app catalogs.

Parameters:

absolutePath: The absolute URL of the site collection to add to the allow list.

Type: **CSOM String**

3.2.5.507.2.2.2 GetByAbsoluteUrl

Return Type:
Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.SiteCollectionAppCatalogAllowedItem

Gets an allow list item based on the URL it was created by.<289>

Parameters:

absolutePath: The absolute URL of the site collection to look up in the allow list.

Type: CSOM String

3.2.5.508 Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.SiteCollectionAppCatalogAllowedItem

TypeId: {9FF9BEE6-14BF-490A-ADB3-6897E9BD592E}

ShortName:
Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.SiteCollectionAppCatalogAllowedItem

An entry in the site collection app catalog allow list.

3.2.5.508.1 Properties

3.2.5.508.1.1 Scalar Properties

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3.2.5.508.1.1.1 AbsoluteUrl

Type: **CSOM String**

Accessibility: Read Only

The absolute URL of a site collection in the allow list.

3.2.5.508.1.1.2 SiteID

Type: **CSOM GUID**

Accessibility: Read Only

The ID of a site collection in the allow list.

3.2.5.508.1.2 ObjectPath Properties

None.

3.2.5.508.2 Methods

3.2.5.508.2.1 Scalar Methods

None.

3.2.5.508.2.2 ObjectPath Methods

None.

3.2.5.509 Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.SiteCollectionCorporateCatalogAccessor

TypeId: {D7C291F0-684B-4295-B64F-7610F5E4086A}

ShortName:
Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.SiteCollectionCorporateCatalogAccessor

Accessor for the site collection corporate catalog.

3.2.5.509.1 Properties

3.2.5.509.1.1 Scalar Properties

None.

3.2.5.509.1.2 ObjectPath Properties

3.2.5.509.1.2.1 AvailableApps

Type:
Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.CorporateCatalogAppMetadataCollection

Accessibility: Read Only

Returns the apps available in this corporate catalog.

3.2.5.509.2 Methods

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3.2.5.509.2.1 Scalar Methods

None.

3.2.5.509.2.2 ObjectPath Methods

3.2.5.509.2.2.1 Add

Return Type: Microsoft.SharePoint.Client.File

Adds a file to the corporate catalog.

Parameters:

parameters: File creation information

Type: Microsoft.SharePoint.Client.FileCreationInformation

It MUST NOT be NULL.

3.2.5.510 Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.TenantCorporateCatalogAccessor

TypeId: {97E1FA65-794C-4FE8-8D64-8C91D18CACAB}

ShortName:
Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.TenantCorporateCatalogAccessor

Accessor for the tenant corporate catalog.

3.2.5.510.1 Properties

3.2.5.510.1.1 Scalar Properties

None.

3.2.5.510.1.2 ObjectPath Properties

3.2.5.510.1.2.1 AvailableApps

Type:
Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.CorporateCatalogAppMetadataCollection

Accessibility: Read Only

Returns the apps available in this corporate catalog.

3.2.5.510.1.2.2 SiteCollectionAppCatalogsSites

Type:
Microsoft.SharePoint.Marketplace.CorporateCuratedGallery.SiteCollectionAppCatalogAllowedCollection

Accessibility: Read Only

Returns an accessor to the allow list of site collections allowed to have site collection corporate catalogs.

3.2.5.510.2 Methods

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3.2.5.510.2.1 Scalar Methods

None.

3.2.5.510.2.2 ObjectPath Methods

3.2.5.510.2.2.1 Add

Return Type: Microsoft.SharePoint.Client.File

Adds a file to the corporate catalog.

Parameters:

parameters: File creation information.

Type: Microsoft.SharePoint.Client.FileCreationInformation

It MUST NOT be NULL.

3.2.5.511 Microsoft.SharePoint.Navigation.REST.PublishingNavigationProviderType

ShortName: Microsoft.SharePoint.Navigation.REST.PublishingNavigationProviderType

Flag: false

Enumeration of navigation provider types. Exact differences in provide behaviors are implementation details of the protocol server.

3.2.5.511.1 Field Values

3.2.5.511.1.1 InvalidSiteMapProvider

Value: 0

Invalid provider type. MUST NOT be set on the server.

3.2.5.511.1.2 PortalSiteMapProvider

Value: 1

Portal site map provider.

3.2.5.511.1.3 TaxonomySiteMapProvider

Value: 2

Taxonomy site map provider.

3.2.5.512 Microsoft.SharePoint.QuickActionMessageCard.HeroImage

TypeId: {EDB2B3C0-1B2F-4F67-B2A8-C350007E4712}

ShortName: Microsoft.SharePoint.QuickActionMessageCard.HeroImage

Microsoft.SharePoint.QuickActionMessageCard.HeroImage is not applicable.<290>

3.2.5.512.1 Properties

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3.2.5.512.1.1 Scalar Properties

None.

3.2.5.512.1.2 ObjectPath Properties

None.

3.2.5.513 Microsoft.SharePoint.QuickActionMessageCard.MessageCard

TypeId: {2E1E19AD-03EC-4F62-9603-73ECBB94EB59}

ShortName: Microsoft.SharePoint.QuickActionMessageCard.MessageCard

Microsoft.SharePoint.QuickActionMessageCard.MessageCard is not applicable.<291>

3.2.5.513.1 Properties

3.2.5.513.1.1 Scalar Properties

None.

3.2.5.513.1.2 ObjectPath Properties

None.

3.2.5.514 Microsoft.SharePoint.QuickActionMessageCard.MessageCardAction

TypeId: {7EE91CD1-E281-48CA-B5A7-06D7036FAC3F}

ShortName: Microsoft.SharePoint.QuickActionMessageCard.MessageCardAction

Microsoft.SharePoint.QuickActionMessageCard.MessageCardAction is not applicable.<292>

3.2.5.514.1 Properties

3.2.5.514.1.1 Scalar Properties

None.

3.2.5.514.1.2 ObjectPath Properties

None.

3.2.5.515 Microsoft.SharePoint.QuickActionMessageCard.Section

TypeId: {B895E075-2C50-40B6-91C1-48B18EF130DD}

ShortName: Microsoft.SharePoint.QuickActionMessageCard.Section

Microsoft.SharePoint.QuickActionMessageCard.Section is not applicable.<293>

3.2.5.515.1 Properties

3.2.5.515.1.1 Scalar Properties

None.

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3.2.5.515.1.2 ObjectPath Properties

None.

3.2.5.516 Microsoft.SharePoint.QuickActionMessageCard.SPAccessRequestRefreshStatus

TypeId: {19014F53-8B85-45AE-B7C9-8ECA4CDDD274}

ShortName: Microsoft.SharePoint.QuickActionMessageCard.SPAccessRequestRefreshStatus

Specifies a class that contains signature to verify, unique Id of the access request, and the target status.

3.2.5.516.1 Properties

3.2.5.516.1.1 Scalar Properties

None.

3.2.5.516.1.2 ObjectPath Properties

None.

3.2.5.517 Microsoft.SharePoint.Webhooks.Subscription

TypeId: {7A71A510-B052-4C9D-ADCD-07220EBB8069}

ShortName: Microsoft.SharePoint.Webhooks.Subscription

A subscription for receiving notifications at a specified endpoint.

3.2.5.517.1 Properties

3.2.5.517.1.1 Scalar Properties

3.2.5.517.1.1.1 clientState

Type: **CSOM String**

Accessibility: Read/Write

Client-defined state that will be passed in each subscription callout.

3.2.5.517.1.1.2 expirationDateTime

Type: **CSOM DateTime**

Accessibility: Read/Write

Expiration time of the subscription. The maximum expiration time allowed is 180 days in the future.

3.2.5.517.1.1.3 id

Type: **CSOM GUID**

Accessibility: Read Only

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Id of current subscription.

It MUST NOT be NULL. It MUST NOT be an empty GUID.

3.2.5.517.1.1.4 notificationUrl

Type: **CSOM String**

Accessibility: Read/Write

Endpoint that will be called when an event occurs.

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

3.2.5.517.1.1.5 resource

Type: **CSOM String**

Accessibility: Read/Write

The resource path to watch.

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

3.2.5.517.1.1.6 resourceData

Type: **CSOM String**

Accessibility: Read/Write

This property is unused.

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

3.2.5.517.1.2 ObjectPath Properties

None.

3.2.5.517.2 Methods

3.2.5.517.2.1 Scalar Methods

3.2.5.517.2.1.1 Delete

Return Type: None

Delete the subscription.

Parameters: None

3.2.5.517.2.1.2 Update

Return Type: None

Update a subscription object.

Parameters:

parameters: An object containing the parameters to update on the subscription.

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Type: Microsoft.SharePoint.Webhooks.SubscriptionInformation

3.2.5.517.2.2 ObjectPath Methods

None.

3.2.5.518 Microsoft.SharePoint.Webhooks.SubscriptionCollection

TypeId: {D4F40890-E1AC-46AF-B67E-589A45E40F96}

ShortName: Microsoft.SharePoint.Webhooks.SubscriptionCollection

Collection of subscriptions.

3.2.5.518.1 Properties

3.2.5.518.1.1 Scalar Properties

None.

3.2.5.518.1.2 ObjectPath Properties

None.

3.2.5.518.2 Methods

3.2.5.518.2.1 Scalar Methods

3.2.5.518.2.1.1 Remove

Return Type: None

Remove a subscription from the subscription collection.

Parameters:

subscriptionId: The id of the subscription to remove.

Type: **CSOM GUID**

3.2.5.518.2.2 ObjectPath Methods

3.2.5.518.2.2.1 Add

Return Type: Microsoft.SharePoint.Webhooks.Subscription

Add a subscription to the subscription collection.

Parameters:

parameters: An object containing the parameters for the Add operation.

Type: Microsoft.SharePoint.Webhooks.SubscriptionInformation

3.2.5.518.2.2.2 GetById

Return Type: Microsoft.SharePoint.Webhooks.Subscription

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Get subscription by subscription id.

Parameters:

id: The id of the subscription to get.

Type: **CSOM GUID**

3.2.5.519 Microsoft.SharePoint.Webhooks.SubscriptionInformation

TypeId: {552733AF-BA95-4402-BFEC-DB7F4C32C1C4}

ShortName: Microsoft.SharePoint.Webhooks.SubscriptionInformation

Parameter class for webhook Update and Create REST operations.

3.2.5.519.1 Properties

3.2.5.519.1.1 Scalar Properties

3.2.5.519.1.1.1 clientState

Type: **CSOM String**

Accessibility: Read/Write

Client-defined state that will be passed in each subscription callout.

3.2.5.519.1.1.2 expirationDateTime

Type: **CSOM DateTime**

Accessibility: Read/Write

Expiration time of the subscription. The maximum expiration time allowed is 180 days in the future.

3.2.5.519.1.1.3 notificationUrl

Type: **CSOM String**

Accessibility: Read/Write

Endpoint that will be called when an event occurs.

It MUST NOT be empty. Its length MUST be equal to or less than 1024.

3.2.5.519.1.1.4 resource

Type: **CSOM String**

Accessibility: Read/Write

The resource path to watch.

It MUST NOT be empty.

3.2.5.519.1.1.5 resourceData

Type: **CSOM String**

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Accessibility: Read/Write

This property is unused.

3.2.5.519.1.2ObjectPath Properties

None.

3.2.6 Timer Events

None.

3.2.7 Other Local Events

None.

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4 Protocol Examples

4.1 Get the Title of a Web

In this example, the title of a **site (2)** 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,
```


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```
    "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"
}
```


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```
]
```

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
```


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```
},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:

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```
[
{
    "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"
}
```


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```
]
```

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 (2) object (1)** on the protocol server. However, the current user does not have permissions to perform this operation, so deleting a site (2) causes an error. The protocol server returns a **CSOM error**. The following steps provide an overview of this operation.

1. Get the context to a **Site** object (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"
       }
  }
 ]
```


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5 Security

5.1 Security Considerations for Implementers

None.

5.2 Index of Security Parameters

None.

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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 updates to those products.

- Microsoft SharePoint Foundation 2010
- Microsoft SharePoint Foundation 2013
- Microsoft SharePoint Server 2016
- Microsoft SharePoint Server 2019
- Microsoft SharePoint Server Subscription Edition

Exceptions, if any, are noted in this section. If an update version, service pack or Knowledge Base (KB) number appears with a product name, the behavior changed in that update. The new behavior also applies to subsequent updates 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.

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<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 3.2.5.73.2.2.5: 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.

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<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.

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<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 3.2.5.119.2.1.2: This method is available only in SharePoint Foundation 2013.

<95> Section 3.2.5.119.2.1.5: This method is available only in SharePoint Foundation 2013.

<96> Section 3.2.5.119.2.1.8: This method is available only in SharePoint Foundation 2013.

<97> Section 3.2.5.119.2.1.9: This method is available only in SharePoint Foundation 2013.

<98> Section 3.2.5.119.2.1.10: 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.

<100> Section 3.2.5.119.2.2.7: This method is available only in SharePoint Foundation 2013.

<101> Section 3.2.5.124.1.1.6: This property is available only in SharePoint Foundation 2013.

<102> Section 3.2.5.124.1.1.7: This property is available only in SharePoint Foundation 2013.

<103> Section 3.2.5.124.1.2.1: This property is available only in SharePoint Foundation 2013.

<104> Section 3.2.5.125.2.1.2: This method is available only in SharePoint Foundation 2013.

<105> Section 3.2.5.125.2.1.3: This method is available only in SharePoint Foundation 2013.

<106> Section 3.2.5.131.1.7: This field value is available only in SharePoint Foundation 2013.

<107> Section 3.2.5.131.1.8: This field value is available only in SharePoint Foundation 2013.

<108> Section 3.2.5.136.2.1.6: This method is available only in SharePoint Foundation 2013.

<109> Section 3.2.5.136.2.1.7: This method is available only in SharePoint Foundation 2013.

<110> Section 3.2.5.136.2.1.8: This method is available only in SharePoint Foundation 2013.

<111> Section 3.2.5.136.2.1.9: This method is available only in SharePoint Foundation 2013.

<112> Section 3.2.5.136.2.1.10: This method is available only in SharePoint Foundation 2013.

<113> Section 3.2.5.136.2.1.11: This method is available only in SharePoint Foundation 2013.

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<114> Section 3.2.5.136.2.1.12: This method is available only in SharePoint Foundation 2013.

<115> Section 3.2.5.136.2.1.13: This method is available only in SharePoint Foundation 2013.

<116> Section 3.2.5.136.2.1.14: This method is available only in SharePoint Foundation 2013.

<117> Section 3.2.5.136.2.1.15: This method is available only in SharePoint Foundation 2013.

<118> Section 3.2.5.136.2.1.16: This method is available only in SharePoint Foundation 2013.

<119> Section 3.2.5.136.2.1.19: This method is available only in SharePoint Foundation 2013.

<120> Section 3.2.5.136.2.2.3: This method is available only in SharePoint Foundation 2013.

<121> Section 3.2.5.136.2.2.4: This method is available only in SharePoint Foundation 2013.

<122> Section 3.2.5.137.1.1.36: This property is available only in SharePoint Foundation 2013.

<123> Section 3.2.5.140.2.1.5: This method is available only in SharePoint Foundation 2013.

<124> Section 3.2.5.140.2.1.6: This method is available only in SharePoint Foundation 2013.

<125> Section 3.2.5.140.2.1.7: This method is available only in SharePoint Foundation 2013.

<126> Section 3.2.5.140.2.1.8: This method is available only in SharePoint Foundation 2013.

<127> Section 3.2.5.143.1.1.21: This property is available only in SharePoint Foundation 2013.

<128> Section 3.2.5.143.1.1.22: This property is available only in SharePoint Foundation 2013.

<129> Section 3.2.5.143.1.1.23: This property is available only in SharePoint Foundation 2013.

<130> Section 3.2.5.143.1.1.24: This property is available only in SharePoint Foundation 2013.

<131> Section 3.2.5.143.1.2.24: This property is available only in SharePoint Foundation 2013.

<132> Section 3.2.5.143.1.2.25: This property is available only in SharePoint Foundation 2013.

<133> Section 3.2.5.143.1.2.26: This property is available only in SharePoint Foundation 2013.

<134> Section 3.2.5.143.1.2.27: This property is available only in SharePoint Foundation 2013.

<135> Section 3.2.5.143.1.2.28: This property is available only in SharePoint Foundation 2013.

<136> Section 3.2.5.143.1.2.29: This property is available only in SharePoint Foundation 2013.

<137> Section 3.2.5.143.1.2.30: This property is available only in SharePoint Foundation 2013.

<138> Section 3.2.5.143.1.2.31: This property is available only in SharePoint Foundation 2013.

<139> Section 3.2.5.143.1.2.32: This property is available only in SharePoint Foundation 2013.

<140> Section 3.2.5.143.2.1.9: This method is available only in SharePoint Foundation 2013.

<141> Section 3.2.5.143.2.1.10: This method is available only in SharePoint Foundation 2013.

<142> Section 3.2.5.143.2.1.11: This method is available only in SharePoint Foundation 2013.

<143> Section 3.2.5.143.2.1.12: This method is available only in SharePoint Foundation 2013.

<144> Section 3.2.5.143.2.1.13: This method is available only in SharePoint Foundation 2013.

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<145> Section 3.2.5.143.2.1.21: This method is not available in SharePoint Foundation 2010 and SharePoint Foundation 2013. An exception of "NotImplementedException" will be thrown when making this call for SharePoint Server 2016.

<146> Section 3.2.5.143.2.1.22: This method is not available in SharePoint Foundation 2010 and SharePoint Foundation 2013. An exception of "NotImplementedException" will be thrown when making this call for SharePoint Server 2016.

<147> Section 3.2.5.143.2.2.8: This method is available only in SharePoint Foundation 2013.

<148> Section 3.2.5.143.2.2.9: This method is available only in SharePoint Foundation 2013.

<149> Section 3.2.5.143.2.2.10: This method is available only in SharePoint Foundation 2013.

<150> Section 3.2.5.143.2.2.11: This method is available only in SharePoint Foundation 2013.

<151> Section 3.2.5.143.2.2.12: This method is available only in SharePoint Foundation 2013.

<152> Section 3.2.5.143.2.2.13: This method is available only in SharePoint Foundation 2013.

<153> Section 3.2.5.143.2.2.14: This method is available only in SharePoint Foundation 2013.

<154> Section 3.2.5.143.2.2.15: This method is available only in SharePoint Foundation 2013.

<155> Section 3.2.5.143.2.2.16: This method is available only in SharePoint Foundation 2013.

<156> Section 3.2.5.143.2.2.17: This method is available only in SharePoint Foundation 2013.

<157> Section 3.2.5.143.2.2.18: This method is available only in SharePoint Foundation 2013.

<158> Section 3.2.5.143.2.2.19: This method is available only in SharePoint Foundation 2013.

<159> Section 3.2.5.143.2.2.21: This method is available only in SharePoint Foundation 2013.

<160> Section 3.2.5.148.1.2.1: This property is available only in SharePoint Foundation 2013.

<161> Section 3.2.5.150.2.2.2: This method is available only in SharePoint Foundation 2013.

<162> Section 3.2.5.152.2.2.1: This method is available only in SharePoint Foundation 2013.

<163> Section 3.2.5.158: This object and its properties and methods are available only in SharePoint Foundation 2013.

<164> Section 3.2.5.159: This object and its properties and methods are available only in SharePoint Foundation 2013.

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<236> Section 3.2.5.253.2.1.3: 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.

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<289> Section 3.2.5.507.2.2.2: This method is only applicable to SharePoint Server 2019.

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7 Change Tracking

This section identifies changes that were made to this document since the last release. Changes are classified as Major, Minor, or None.

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.
- A document revision that captures changes to protocol functionality.

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 **None** means that no new technical changes were introduced. Minor editorial and formatting changes may have been made, but the relevant technical content is identical to the last released version.

The changes made to this document are listed in the following table. For more information, please contact dochelp@microsoft.com.

Section	Description	Revision class
3.2.5.275.1.1 Scalar Properties	Removed unused property.	Major

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