[MS-EDCSOM]:

eDiscovery Client-Side Object Model Protocol

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Revision Summary

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8/24/2015	2.0	Major	Significantly changed the technical content.

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1 Introduction

The eDiscovery Client-Side Object Model Protocol provides types, methods, and properties to enable a protocol client to access and control electronic discovery (eDiscovery) data stored on a protocol server.

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

1.1 Glossary

The following terms are specific to this document:

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

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

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

custodian: A user that is part of a discovery litigation that allows attorneys to associate users with the **discovery sources**.

discovery case: A site that contains information relevant to an electronic discovery (eDiscovery) case such as a **custodian**, a **discovery source**, and saved searches.

discovery source: A repository of documents and other types of content that are relevant to the electronic discovery (eDiscovery) case.

Information Rights Management (IRM): A technology that provides persistent protection to digital data by using encryption, certificates (1), and authentication (2). 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.

legal hold: A restriction that prevents a document from being modified or transactions from being entered for a record.

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.

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

search query: A complete set of conditions that are used to generate search results, including query text, sort order, and ranking parameters.

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

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

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].

website: (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 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 site.

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.

[MS-CSOMSPT] Microsoft Corporation, "SharePoint Client-Side Object Model Protocol".

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

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

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

[RFC2818] Rescorla, E., "HTTP Over TLS", RFC 2818, May 2000, http://www.rfc-editor.org/rfc/rfc2818.txt

[RFC4627] Crockford, D., "The application/json Media Type for JavaScript Object Notation (JSON)", RFC 4627, July 2006, http://www.ietf.org/rfc/rfc4627.txt

1.2.2   Informative References

None.

1.3 Overview

This protocol defines types, methods, and properties that a protocol client uses to manage a **discovery case**. For example, the protocol enables a protocol client to retrieve a discovery case from the protocol server, retrieve the associated **discovery sources**, and perform such operations as initiating a **legal hold** on those discovery sources.

1.4 Relationship to Other Protocols

The eDiscovery Client-Side Object Model protocol is a set of types, properties, and methods that can be accessed by using the SharePoint Client Query protocol as described in [MS-CSOM]. This protocol uses JSON as described in [RFC4627] to format data returned to a protocol client. This protocol also uses HTTP, as described in [RFC2616], and HTTPS, as described in [RFC2818]. The dependencies for this protocol are shown in the following layering diagram.
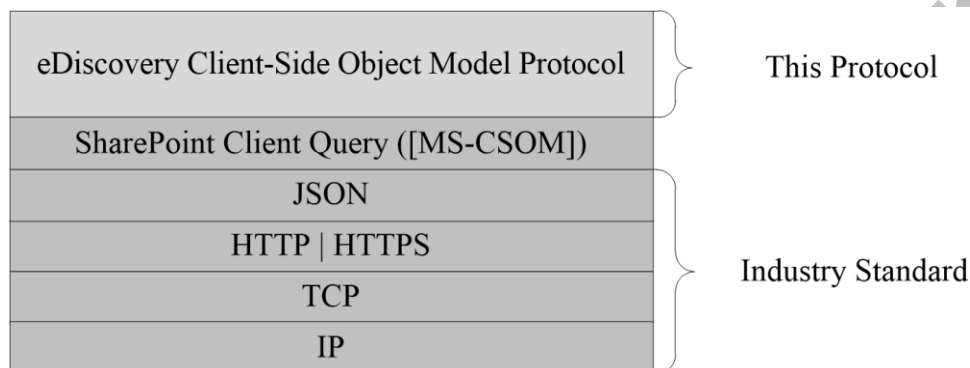
Figure 1: This protocol in relation to other protocols

1.5 Prerequisites/Preconditions

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

1.6 Applicability Statement

This 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.

This protocol is not suitable and is inefficient if both the protocol client and protocol server are on the same computer. In this case, the client can use an API that does not require communication over a network.

1.7 Versioning and Capability Negotiation

None.

1.8 Vendor-Extensible Fields

None.

1.9 Standards Assignments

None.

2 Messages

2.1 Transport

Messages are transported by using the SharePoint Client Query Protocol, as specified in [MS-CSOM].

2.2 Message Syntax

None.

2.2.1 Common Exceptions

The protocol server MUST validate the request from the protocol client. 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 purpose but could not use the error code or error type to determine the causes of the exception.

Exceptions listed for the specific properties are thrown for both read and write operations, unless otherwise specified.

3   Protocol Details

3.1   Server Details

3.1.1   Abstract Data Model

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

The protocol server maintains a multiple collections of discovery cases, for example lawsuits for 2005-2010 and lawsuits for 2000-2005.

For each case, the protocol server maintains a list of discovery sources that are applicable to the scope of the discovery case. For example, if a case were about Contoso vs. Fabrikam, an exemplary discovery source might be the email mailbox for the executives of Contoso. Discovery sources can be organized in groups, such as locations associated with a given person, that is a **custodian**. The protocol server also maintains internal state about actions that need to be performed for discovery sources, such as when a given discovery source can be placed on legal hold, as well as the status of whether those actions have been performed.

In addition, the protocol server maintains a list of search queries applicable to the discovery sources of a given case, as well as metadata about when those search queries have been exported, that is downloaded.

The protocol server also maintains a directory of valid email mailboxes and **Web sites** that can be used as discovery sources. In addition, the protocol server maintains a set of **policies** that can be associated with the location, as well as state whether the location allows further editing or is in archival (closed).

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.

3.1.2   Timers

None.

3.1.3   Initialization

None.

3.1.4   Higher-Layer Triggered Events

None.

3.1.5   Message Processing Events and Sequencing Rules

3.1.5.1   Microsoft.SharePoint.Client.CompliancePolicy.DlpAccessScope

ShortName: SP.CompliancePolicy.DlpAccessScope

Flag: true

3.1.5.1.1 Field Values

3.1.5.1.1.1   None

Value: 0

3.1.5.1.1.2   InternalUsersOnly

Value: 1

3.1.5.1.1.3   IncludeExternalUsers

Value: 2

3.1.5.2 Microsoft.SharePoint.Client.CompliancePolicy.PolicyEvaluationInfo

TypeId: {4B537B0A-A327-4797-832D-1B02FC1D9711}

ShortName: SP.CompliancePolicy.PolicyEvaluationInfo

3.1.5.2.1 Properties

3.1.5.2.1.1   Scalar Properties

3.1.5.2.1.1.1 ApplicablePolicies

Type: CSOM array of **CSOM String**

Accessibility: Read Only

3.1.5.2.1.1.2 DlpAccessScope

Type: Microsoft.SharePoint.Client.CompliancePolicy.DlpAccessScope

Accessibility: Read Only

3.1.5.2.1.1.3 OverriddenRules

Type: CSOM array of CSOM String

Accessibility: Read Only

3.1.5.2.1.2   ObjectPath Properties

None.

3.1.5.2.2 Methods

3.1.5.2.2.1   Scalar Methods

None.

3.1.5.2.2.2   ObjectPath Methods

None.

3.1.5.3 Microsoft.SharePoint.Client.CompliancePolicy.PolicyEvaluationInfoEnums

ShortName: SP.CompliancePolicy.PolicyEvaluationInfoEnums

Flag: true

3.1.5.3.1 Field Values

3.1.5.3.1.1 DlpAccessScope

Value: 1

3.1.5.3.1.2 ApplicablePolicies

Value: 2

3.1.5.3.1.3 OverriddenRules

Value: 4

3.1.5.4 Microsoft.SharePoint.Client.CompliancePolicy.PolicyScenario

ShortName: SP.CompliancePolicy.PolicyScenario

Flag: false

3.1.5.4.1 Field Values

3.1.5.4.1.1 Retention

Value: 0

3.1.5.4.1.2 Hold

Value: 1

3.1.5.4.1.3 Dlp

Value: 2

3.1.5.4.1.4 DeviceSettings

Value: 3

3.1.5.4.1.5 AuditSettings

Value: 4

3.1.5.4.1.6 DeviceConditionalAccess

Value: 5

3.1.5.4.1.7 DeviceTenantConditionalAccess

Value: 6

3.1.5.5 Microsoft.SharePoint.Client.CompliancePolicy.PolicyTipOverrideResult

ShortName: SP.CompliancePolicy.PolicyTipOverrideResult

Flag: false

3.1.5.5.1 Field Values

3.1.5.5.1.1   None

Value: 0

3.1.5.5.1.2   FalsePositiveReported

Value: 1

3.1.5.5.1.3   Overridden

Value: 2

3.1.5.5.1.4   FalsePositiveReportedAndOverridden

Value: 3

3.1.5.6 Microsoft.SharePoint.Client.CompliancePolicy.PolicyTipOverrideUserAction

ShortName: SP.CompliancePolicy.PolicyTipOverrideUserAction

Flag: false

3.1.5.6.1 Field Values

3.1.5.6.1.1   Override

Value: 0

3.1.5.6.1.2   ReportFalsePositive

Value: 1

3.1.5.6.1.3   ReportFalsePositiveAndOverride

Value: 2

3.1.5.7 Microsoft.SharePoint.Client.CompliancePolicy.SPContainerId

TypeId: {184F5FFB-43CB-4579-95CB-3CA29091F22E}

ShortName: SP.CompliancePolicy.SPContainerId

3.1.5.7.1 Properties

3.1.5.7.1.1   Scalar Properties

3.1.5.7.1.1.1 ContainerType

Type: Microsoft.SharePoint.Client.CompliancePolicy.SPContainerType

Accessibility: Read/Write

3.1.5.7.1.1.2 ListId

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.7.1.1.3 SiteId

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.7.1.1.4 SiteUrl

Type: CSOM String

Accessibility: Read/Write

3.1.5.7.1.1.5 TenantId

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.7.1.1.6 Title

Type: CSOM String

Accessibility: Read/Write

3.1.5.7.1.1.7 Version

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.7.1.1.8 WebId

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.7.1.2   ObjectPath Properties

None.

3.1.5.7.2 Methods

3.1.5.7.2.1   Scalar Methods

3.1.5.7.2.1.1 Serialize

Return Type: CSOM String

Parameters: None

3.1.5.7.2.2   ObjectPath Methods

3.1.5.7.2.2.1 Create

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

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.SPContainerId

Parameters:

containerId:

Type: CSOM String

3.1.5.7.2.2.2 CreateFromList

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.SPContainerId

Parameters:

list:

Type: Microsoft.SharePoint.Client.List

3.1.5.7.2.2.3 CreateFromSite

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.SPContainerId

Parameters:

site:

Type: Microsoft.SharePoint.Client.Site

3.1.5.7.2.2.4 CreateFromWeb

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.SPContainerId

Parameters:

web:

Type: Microsoft.SharePoint.Client.Web

3.1.5.8 Microsoft.SharePoint.Client.CompliancePolicy.SPContainerType

ShortName: SP.CompliancePolicy.SPContainerType

Flag: false

3.1.5.8.1 Field Values

3.1.5.8.1.1   Site

Value: 0

3.1.5.8.1.2   Web

Value: 1

3.1.5.8.1.3   List

Value: 2

3.1.5.9 Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyAssociation

TypeId: {23D1965C-5EE9-4649-96FF-4C2EABF63547}

ShortName: SP.CompliancePolicy.SPPolicyAssociation

3.1.5.9.1 Properties

3.1.5.9.1.1   Scalar Properties

3.1.5.9.1.1.1 AllowOverride

Type: CSOM Boolean

Accessibility: Read/Write

3.1.5.9.1.1.2 Comment

Type: CSOM String

Accessibility: Read/Write

3.1.5.9.1.1.3 DefaultPolicyDefinitionConfigId

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.9.1.1.4 Description

Type: CSOM String

Accessibility: Read/Write

3.1.5.9.1.1.5 Identity

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.9.1.1.6 Name

Type: CSOM String

Accessibility: Read/Write

3.1.5.9.1.1.7 PolicyApplyStatus

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.9.1.1.8 PolicyDefinitionConfigIds

Type: CSOM array of CSOM GUID

Accessibility: Read/Write

3.1.5.9.1.1.9 Scope

Type: CSOM String

Accessibility: Read/Write

3.1.5.9.1.1.10   Source

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.9.1.1.11   Version

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.9.1.1.12   WhenAppliedUTC

Type: CSOM DateTime

Accessibility: Read/Write

3.1.5.9.1.1.13   WhenChangedUTC

Type: CSOM DateTime

Accessibility: Read/Write

3.1.5.9.1.1.14   WhenCreatedUTC

Type: CSOM DateTime

Accessibility: Read/Write

3.1.5.9.1.1.15   Workload

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.9.1.2   ObjectPath Properties

None.

3.1.5.9.2 Methods

3.1.5.9.2.1   Scalar Methods

None.

3.1.5.9.2.2   ObjectPath Methods

None.

3.1.5.10   Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyBinding

TypeId: {E0FFF598-B609-4FAA-991D-14276B3589C4}

ShortName: SP.CompliancePolicy.SPPolicyBinding

3.1.5.10.1   Properties

3.1.5.10.1.1   Scalar Properties

3.1.5.10.1.1.1   Identity

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.10.1.1.2   IsExempt

Type: CSOM Boolean

Accessibility: Read/Write

3.1.5.10.1.1.3   Mode

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.10.1.1.4   Name

Type: CSOM String

Accessibility: Read/Write

3.1.5.10.1.1.5   PolicyApplyStatus

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.10.1.1.6   PolicyAssociationConfigId

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.10.1.1.7   PolicyDefinitionConfigId

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.10.1.1.8 PolicyRuleConfigId

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.10.1.1.9 Scope

Type: CSOM String

Accessibility: Read/Write

3.1.5.10.1.1.10 Source

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.10.1.1.11 Version

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.10.1.1.12 WhenAppliedUTC

Type: CSOM DateTime

Accessibility: Read/Write

3.1.5.10.1.1.13 WhenChangedUTC

Type: CSOM DateTime

Accessibility: Read/Write

3.1.5.10.1.1.14 WhenCreatedUTC

Type: CSOM DateTime

Accessibility: Read/Write

3.1.5.10.1.1.15 Workload

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.10.1.1.16 BindingType

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.10.1.2 ObjectPath Properties

None.

3.1.5.10.2 Methods

3.1.5.10.2.1 Scalar Methods

None.

3.1.5.10.2.2 ObjectPath Methods

None.

3.1.5.11 Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyDefinition

TypeId: {1A79216B-A364-45BD-8F97-E72FBAED5AA9}

ShortName: SP.CompliancePolicy.SPPolicyDefinition

3.1.5.11.1 Properties

3.1.5.11.1.1 Scalar Properties

3.1.5.11.1.1.1 Comment

Type: CSOM String

Accessibility: Read/Write

3.1.5.11.1.1.2 CreatedBy

Type: CSOM String

Accessibility: Read/Write

3.1.5.11.1.1.3 DefaultPolicyRuleConfigId

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.11.1.1.4 Description

Type: CSOM String

Accessibility: Read/Write

3.1.5.11.1.1.5 Enabled

Type: CSOM Boolean

Accessibility: Read/Write

3.1.5.11.1.1.6 Identity

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.11.1.1.7 LastModifiedBy

Type: CSOM String

Accessibility: Read/Write

3.1.5.11.1.1.8   Mode

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.11.1.1.9   Name

Type: CSOM String

Accessibility: Read/Write

3.1.5.11.1.1.10   Scenario

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.11.1.1.11   Source

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.11.1.1.12   Version

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.11.1.1.13   WhenChangedUTC

Type: CSOM DateTime

Accessibility: Read/Write

3.1.5.11.1.1.14   WhenCreatedUTC

Type: CSOM DateTime

Accessibility: Read/Write

3.1.5.11.1.1.15   Priority

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.11.1.2 ObjectPath Properties

None.

3.1.5.11.2   Methods

3.1.5.11.2.1 Scalar Methods

None.

3.1.5.11.2.2 ObjectPath Methods

None.

3.1.5.12 Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyRule

TypeId: {5D752FEB-1AF6-4DEF-A261-6CE09740570B}

ShortName: SP.CompliancePolicy.SPPolicyRule

3.1.5.12.1 Properties

3.1.5.12.1.1 Scalar Properties

3.1.5.12.1.1.1 Comment

Type: CSOM String

Accessibility: Read/Write

3.1.5.12.1.1.2 CreatedBy

Type: CSOM String

Accessibility: Read/Write

3.1.5.12.1.1.3 Description

Type: CSOM String

Accessibility: Read/Write

3.1.5.12.1.1.4 Enabled

Type: CSOM Boolean

Accessibility: Read/Write

3.1.5.12.1.1.5 Identity

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.12.1.1.6 LastModifiedBy

Type: CSOM String

Accessibility: Read/Write

3.1.5.12.1.1.7 Mode

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.12.1.1.8 Name

Type: CSOM String

Accessibility: Read/Write

3.1.5.12.1.1.9   PolicyDefinitionConfigId

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.12.1.1.10   Priority

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.12.1.1.11   RuleBlob

Type: CSOM String

Accessibility: Read/Write

3.1.5.12.1.1.12   Scenario

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.12.1.1.13   Source

Type: CSOM Int32

Accessibility: Read/Write

3.1.5.12.1.1.14   Version

Type: CSOM GUID

Accessibility: Read/Write

3.1.5.12.1.1.15   WhenChangedUTC

Type: CSOM DateTime

Accessibility: Read/Write

3.1.5.12.1.1.16   WhenCreatedUTC

Type: CSOM DateTime

Accessibility: Read/Write

3.1.5.12.1.2 ObjectPath Properties

None.

3.1.5.12.2   Methods

3.1.5.12.2.1 Scalar Methods

None.

3.1.5.12.2.2 ObjectPath Methods

None.

3.1.5.13　　Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyStore

TypeId: {EBF00438-9914-45AC-AF5B-D2D1009F55D6}

ShortName: SP.CompliancePolicy.SPPolicyStore

3.1.5.13.1　　Properties

3.1.5.13.1.1 Scalar Properties

None.

3.1.5.13.1.2 ObjectPath Properties

None.

3.1.5.13.2　　Methods

3.1.5.13.2.1 Scalar Methods

3.1.5.13.2.1.1　　DeletePolicyAssociation

Return Type: None

Parameters:

policyAssociationId:

Type: CSOM GUID

3.1.5.13.2.1.2　　DeletePolicyBinding

Return Type: None

Parameters:

policyBindingId:

Type: CSOM GUID

3.1.5.13.2.1.3　　DeletePolicyDefinition

Return Type: None

Parameters:

policyDefinitionId:

Type: CSOM GUID

3.1.5.13.2.1.4　　DeletePolicyRule

Return Type: None

Parameters:

policyRuleId:

Type: CSOM GUID

3.1.5.13.2.1.5 NotifyUnifiedPolicySync

Return Type: None

Parameters:

notificationId:

Type: CSOM String

syncSvcUrl:

Type: CSOM String

changeInfos:

Type: CSOM array of CSOM String

syncNow:

Type: CSOM Boolean

fullSyncForTenant:

Type: CSOM Boolean

3.1.5.13.2.1.6 UpdatePolicyAssociation

Return Type: None

Parameters:

policyAssociation:

Type: Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyAssociation

3.1.5.13.2.1.7 UpdatePolicyBinding

Return Type: None

Parameters:

policyBinding:

Type: Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyBinding

3.1.5.13.2.1.8 UpdatePolicyDefinition

Return Type: None

Parameters:

policyDefinition:

Type: Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyDefinition

3.1.5.13.2.1.9   UpdatePolicyRule

Return Type: None

Parameters:

policyRule:

Type: Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyRule

3.1.5.13.2.1.10   NotifyUnifiedPolicySyncForWorkload

Return Type: None

Parameters:

notificationId:

Type: CSOM String

syncSvcUrl:

Type: CSOM String

changeInfos:

Type: CSOM array of CSOM String

syncNow:

Type: CSOM Boolean

fullSyncForTenant:

Type: CSOM Boolean

workload:

Type: CSOM Int32

3.1.5.13.2.2 ObjectPath Methods

3.1.5.13.2.2.1   CSOM Constructor

Parameters:

web:

Type: Microsoft.SharePoint.Client.Web

3.1.5.13.2.2.2   CreatePolicyAssociation

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyAssociation

Parameters: None

3.1.5.13.2.2.3   CreatePolicyBinding

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyBinding

Parameters: None

3.1.5.13.2.2.4　CreatePolicyDefinition

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyDefinition

Parameters: None

3.1.5.13.2.2.5　CreatePolicyRule

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyRule

Parameters: None

3.1.5.13.2.2.6　GetPolicyAssociation

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyAssociation

Parameters:

policyAssociationId:

Type: CSOM GUID

3.1.5.13.2.2.7　GetPolicyAssociationForContainer

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyAssociation

Parameters:

containerId:

Type: CSOM String

3.1.5.13.2.2.8　GetPolicyBinding

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyBinding

Parameters:

policyBindingId:

Type: CSOM GUID

3.1.5.13.2.2.9　GetPolicyDefinition

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyDefinition

Parameters:

policyDefinitionId:

Type: CSOM GUID

3.1.5.13.2.2.10 GetPolicyDefinitions

Return Type: CSOM array of Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyDefinition

Parameters:

scenario:

Type: CSOM Int32

3.1.5.13.2.2.11 GetPolicyRule

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyRule

Parameters:

policyRuleId:

Type: CSOM GUID

throwIfNull:

Type: CSOM Boolean

3.1.5.14 Microsoft.SharePoint.Client.CompliancePolicy.SPPolicyStoreProxy

TypeId: {9EFA17EB-0D34-4F69-A085-5CC3F802439E}

ShortName: SP.CompliancePolicy.SPPolicyStoreProxy

3.1.5.14.1 Properties

3.1.5.14.1.1 Scalar Properties

3.1.5.14.1.1.1 PolicyStoreUrl

Type: CSOM String

Accessibility: Read Only

3.1.5.14.1.2 ObjectPath Properties

None.

3.1.5.14.2 Methods

3.1.5.14.2.1 Scalar Methods

3.1.5.14.2.1.1 OverridePolicyTip

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.PolicyTipOverrideResult

Parameters:

itemUrl:

Type: CSOM String

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

userAction:

Type: Microsoft.SharePoint.Client.CompliancePolicy.PolicyTipOverrideUserAction

justification:

Type: CSOM String

rules:

Type: CSOM array of CSOM String

It MUST NOT be NULL.

3.1.5.14.2.2 ObjectPath Methods

3.1.5.14.2.2.1   CSOM Constructor

Parameters:

web:

Type: Microsoft.SharePoint.Client.Web

3.1.5.14.2.2.2   GetPolicyEvaluationInfo

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.CompliancePolicy.PolicyEvaluationInfo

Parameters:

itemUrl:

Type: CSOM String

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

policyScenario:

Type: Microsoft.SharePoint.Client.CompliancePolicy.PolicyScenario

infos:

Type: Microsoft.SharePoint.Client.CompliancePolicy.PolicyEvaluationInfoEnums

3.1.5.15   Microsoft.SharePoint.Client.Discovery.Case

TypeId: {DF6AC2D8-CD50-4CF4-BC52-F61766F2E005}

ShortName: SP.Discovery.Case

A discovery case.

3.1.5.15.1   Properties

3.1.5.15.1.1 Scalar Properties

None.

3.1.5.15.1.2 ObjectPath Properties

None.

3.1.5.15.2   Methods

3.1.5.15.2.1 Scalar Methods

3.1.5.15.2.1.1   GetExportContent

Return Type: CSOM String

This method returns the export configuration content.

Parameters:

sourceIds: The identifer of each export included for the export content.

Type: CSOM array of CSOM Int32

3.1.5.15.2.2 ObjectPath Methods

3.1.5.15.2.2.1   CSOM Constructor

Constructs a discovery case **CSOM Object**.

Parameters:

web: The **site** that represents a discovery case.

Type: Microsoft.SharePoint.Client.Web

The type is specified in [MS-CSOMSPT] section 3.2.5.143.

3.1.5.16   Microsoft.SharePoint.Client.Discovery.Export

TypeId: {A0C1EA79-9E20-4F8E-96B7-B18956A5CFFB}

ShortName: SP.Discovery.Export

Represents an export associated with a discovery case.

3.1.5.16.1   Properties

3.1.5.16.1.1 Scalar Properties

3.1.5.16.1.1.1   Status

Type: Microsoft.SharePoint.Client.Discovery.ExportStatus

Accessibility: Read/Write

The status of the export, which MUST be a value as specified in section 3.1.5.3.

3.1.5.16.1.2 ObjectPath Properties

None.

3.1.5.16.2   Methods

3.1.5.16.2.1 Scalar Methods

3.1.5.16.2.1.1   GetExportContent

Return Type: CSOM String

Returns the export configuration, which MUST conform to the following schema:

```xml
<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://schemas.microsoft.com/Discovery/ExportConfigSchema"
    targetNamespace="http://schemas.microsoft.com/Discovery/ExportConfigSchema"
    elementFormDefault="qualified"
>
    <xs:element name="Export">
        <xs:complexType>
            <xs:sequence>
                <xs:element name="Metadata" minOccurs="1" maxOccurs="1" type="xsi:metadata">
                </xs:element>
                <xs:element name="Sources" minOccurs="1" maxOccurs="1" type="xsi:sources">
                </xs:element>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:complexType name="metadata">
        <xs:sequence>
            <xs:element name="CaseName" type="xs:string" minOccurs="1" maxOccurs="1" />
            <xs:element name="CaseId" type="xs:string" minOccurs="1" maxOccurs="1" />
            <xs:element name="CaseURL" type="xs:string" minOccurs="1" maxOccurs="1" />
            <xs:element name="ExportURL" type="xs:string" minOccurs="1" maxOccurs="1" />
            <xs:element name="ExportName" type="xs:string" minOccurs="1" maxOccurs="1" />
            <xs:element name="ExportId" type="xs:string" minOccurs="1" maxOccurs="1" />
            <xs:element name="RemoveDuplicates" type="xs:boolean" minOccurs="1" maxOccurs="1"
/>
            <xs:element name="RemoveRms" type="xs:boolean" minOccurs="1" maxOccurs="1" />
            <xs:element name="IncludeVersions" type="xs:boolean" minOccurs="1" maxOccurs="1"
/>
            <xs:element name="IncludeUncrawlableContent" type="xs:boolean" minOccurs="1"
maxOccurs="1" />
            <xs:element name="EstimatedItems" type="xs:double" minOccurs="1" maxOccurs="1" />
            <xs:element name="EstimatedSize" type="xs:double" minOccurs="1" maxOccurs="1" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="sources">
        <xs:sequence>
            <xs:element name="Source" type="xsi:source" minOccurs="0" maxOccurs="unbounded"
/>
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="source">
        <xs:sequence>
            <xs:element name="Id" type="xs:string" minOccurs="1" maxOccurs="1" />
            <xs:element name="Name" type="xs:string" minOccurs="1" maxOccurs="1" />
            <xs:element name="ServerSourceId" type="xs:string" minOccurs="1" maxOccurs="1" />
            <xs:element name="SourceFilter" type="xs:string" minOccurs="1" maxOccurs="1" />
            <xs:element name="Type" type="xs:string" minOccurs="1" maxOccurs="1" />
            <xs:element name="Endpoint" type="xs:string" minOccurs="0" maxOccurs="1" />
            <xs:element name="Custodians" type="xsi:custodians" minOccurs="1" maxOccurs="1"
/>
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="custodians">
```

```
            <xs:sequence>
                <xs:element name="Custodian" type="xsi:custodian" minOccurs="0"
    maxOccurs="unbounded" />
            </xs:sequence>
        </xs:complexType>
        <xs:complexType name="custodian">
            <xs:sequence>
                <xs:element name="Name" type="xs:string" minOccurs="1" maxOccurs="1" />
                <xs:element name="Id" type="xs:int" minOccurs="1" maxOccurs="1" />
            </xs:sequence>
        </xs:complexType>
    </xs:schema>
```

The elements are defined as follows:

- **Metadata:** Metadata associated with the export.

  - **CaseName:** The name of the discovery case.

  - **CaseId:** The identifier of the discovery case.

  - **CaseUrl:** The **URL** of the discovery case.

  - **ExportUrl:** The URL of the export.

  - **ExportName:** The name of the export.

  - **ExportId:** The identifier of the export.

  - **RemoveDuplicates:** Whether duplicate content is removed from the content.

  - **RemoveRms:** Whether **Information Rights Management (IRM)** encryption is removed from the exported content.

  - **IncludeVersions:** Whether versions of content are included in the export.

  - **IncludeUncrawlableContent:** Whether content that cannot be crawled is included in the export.

  - **EstimatedItems:** The estimated number of items in the export.

  - **EstimatedSize:** The estimated size of the content to be downloaded.

- **Sources:** The discovery sources associated with the export.

  - **Id:** The identifier of the discovery source.

  - **Name:** The name of the discovery source.

  - **ServerSourceId:** The identifier of the discovery source.

  - **SourceFilter:** A **search query** associated with the discovery source.

  - **Type:** The type of discovery source.

  - **Endpoint:** The URL of the discovery source.

  - **Custodians:** The custodians associated with the discovery source.

    - **Name:** The name of the custodian.

    - **Id:** The identifier of the custodian.

Parameters: None

3.1.5.16.2.1.2 Update

Return Type: None

Updates or adds the export in a discovery case.

Parameters: None

3.1.5.16.2.2 ObjectPath Methods

3.1.5.16.2.2.1 CSOM Constructor

Constructs a discovery export CSOM Object.

Parameters:

item: The **list item** that represents a discovery export.

Type: Microsoft.SharePoint.Client.ListItem

The type is specified in [MS-CSOMSPT] section 3.2.5.87.

3.1.5.17 Microsoft.SharePoint.Client.Discovery.ExportStatus

ShortName: SP.Discovery.ExportStatus

Flag: false

Represents the status of an export.

3.1.5.17.1 Field Values

3.1.5.17.1.1 NotStarted

Value: 0

The export has not yet been downloaded.

3.1.5.17.1.2 Started

Value: 1

The client has started processing the export.

3.1.5.17.1.3 Complete

Value: 2

The client has finished processing the export.

3.1.5.17.1.4 Failed

Value: 3

The client failed to process the export.

3.1.5.18   Microsoft.SharePoint.Client.InformationPolicy.ProjectPolicy

TypeId: {EC5E0A70-0CC3-408F-A4DC-1BB3495AAC75}

ShortName: SP.InformationPolicy.ProjectPolicy

A policy associated with a Web site (2) or email mailbox.

3.1.5.18.1   Properties

3.1.5.18.1.1 Scalar Properties

3.1.5.18.1.1.1   Description

Type: CSOM String

Accessibility: Read Only

The description of the policy.

3.1.5.18.1.1.2   EmailBody

Type: CSOM String

Accessibility: Read/Write

The body of the notification email if there is no site mailbox associated with the site.

The policy can be configured to send a notification email to site owners in advance of the site deletion.

3.1.5.18.1.1.3   EmailBodyWithTeamMailbox

Type: CSOM String

Accessibility: Read/Write

The body of the notification email if there is a site mailbox associated with the site.

The policy can be configured to send a notification email to site owners in advance of the site deletion.

3.1.5.18.1.1.4   EmailSubject

Type: CSOM String

Accessibility: Read/Write

The subject of the notification email.

The policy can be configured to send a notification email to site owners in advance of the site deletion.

3.1.5.18.1.1.5   Name

Type: CSOM String

Accessibility: Read Only

The name of the policy.

3.1.5.18.1.2 ObjectPath Properties

None.

3.1.5.18.2   Methods

3.1.5.18.2.1 Scalar Methods

3.1.5.18.2.1.1   ApplyProjectPolicy

This method is a static CSOM method.

Return Type: None

Apply the policy to the site. If the site (2) already has a policy applied, the new policy will replace the existing policy.

Parameters:

web: The site (2) that will have the policy to be applied.

Type: Microsoft.SharePoint.Client.Web

The type is specified in [MS-CSOMSPT] section 3.2.5.143.

It MUST NOT be NULL.

projectPolicy: The policy that will be applied to the site (2).

Type: Microsoft.SharePoint.Client.InformationPolicy.ProjectPolicy

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	*web* is null or *projectPolicy* is null.

3.1.5.18.2.1.2   CloseProject

This method is a static CSOM method.

Return Type: None

Close the site if the site has a policy applied and the site is open.

Parameters:

web: The site (2) to be closed.

Type: Microsoft.SharePoint.Client.Web

The type is specified in [MS-CSOMSPT] section 3.2.5.143.

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	*web* is null.

3.1.5.18.2.1.3 DoesProjectHavePolicy

This method is a static CSOM method.

Return Type: CSOM Boolean

Checks whether the Web site (2) has an associated policy.

Parameters:

web: The site.

Type: Microsoft.SharePoint.Client.Web

The type is specified in [MS-CSOMSPT] section 3.2.5.143.

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	Web is null.

3.1.5.18.2.1.4 GetProjectCloseDate

This method is a static CSOM method.

Return Type: CSOM DateTime

Gets the date the Web site (2) was archived (closed). If the Web site (2) is not closed, the protocol server returns an implementation specific default value that is less than 1970.

Parameters:

web: The site.

Type: Microsoft.SharePoint.Client.Web

The type is specified in [MS-CSOMSPT] section 3.2.5.143.

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	Web is null.

3.1.5.18.2.1.5 GetProjectExpirationDate

This method is a static CSOM method.

Return Type: CSOM DateTime

Gets the expiration date of the Web site (2) according to its associated policy. If there is no associated expiration date, the protocol server returns an implementation specific default value that is less than 1970.

Parameters:

web: The site.

Type: Microsoft.SharePoint.Client.Web

The type is specified in [MS-CSOMSPT] section 3.2.5.143.

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	Web is null.

3.1.5.18.2.1.6   IsProjectClosed

This method is a static CSOM method.

Return Type: CSOM Boolean

Checks whether the Web site (2) is in archival (closed).

Parameters:

web: The site.

Type: Microsoft.SharePoint.Client.Web

The type is specified in [MS-CSOMSPT] section 3.2.5.143.

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	Web is null.

3.1.5.18.2.1.7   OpenProject

This method is a static CSOM method.

Return Type: None

Open the site if the site has a policy applied and the site is closed.

Parameters:

web: The site (2) to be opened.

Type: Microsoft.SharePoint.Client.Web

The type is specified in [MS-CSOMSPT] section 3.2.5.143.

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	*web* is null.

3.1.5.18.2.1.8   PostponeProject

This method is a static CSOM method.

Return Type: None

Postpone the expiration date of the site based on the policy if the site has a policy applied and the site has the expiration date.

Parameters:

web: The site (2) to be postponed.

Type: Microsoft.SharePoint.Client.Web

The type is specified in [MS-CSOMSPT] section 3.2.5.143.

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	*web* is null.

3.1.5.18.2.1.9   SavePolicy

Return Type: None

Save the changes that are made to the current policy.

Parameters: None

3.1.5.18.2.2 ObjectPath Methods

3.1.5.18.2.2.1   GetCurrentlyAppliedProjectPolicyOnWeb

This method is a static CSOM method.

Return Type: Microsoft.SharePoint.Client.InformationPolicy.ProjectPolicy

Gets the policy that is currently applied to the site if the site has a policy applied.

Parameters:

web: The site (2) that has a policy applied.

Type: Microsoft.SharePoint.Client.Web

The type is specified in [MS-CSOMSPT] section 3.2.5.143.

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	*web* is null.

3.1.5.18.2.2.2   GetProjectPolicies

This method is a static CSOM method.

Return Type: CSOM array of Microsoft.SharePoint.Client.InformationPolicy.ProjectPolicy

Gets all policies that are available on the site.

Parameters:

web: The site (2) that might have one or more policies.

Type: Microsoft.SharePoint.Client.Web

The type is specified in [MS-CSOMSPT] section 3.2.5.143.

It MUST NOT be NULL.

Exceptions:

Error Code	Error Type Name	Condition
-2147467261	System.ArgumentNullException	*web* is null.

3.1.6 Timer Events

None.

3.1.7 Other Local Events

None.

4 Protocol Examples

None.

5 Security

5.1 Security Considerations for Implementers

None.

5.2 Index of Security Parameters

None.

6   Appendix A: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include released service packs.

- Microsoft SharePoint Server 2013

- Microsoft SharePoint Server 2016 Preview

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.

7 Change Tracking

This section identifies changes that were made to this document since the last release. Changes are classified as New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements or functionality.

- The removal of a document from the documentation set.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **Editorial** means that the formatting in the technical content was changed. Editorial changes apply to grammatical, formatting, and style issues.

The revision class **No change** means that no new technical changes were introduced. Minor editorial and formatting changes may have been made, but the technical content of the document is identical to the last released version.

Major and minor changes can be described further using the following change types:

- New content added.

- Content updated.

- Content removed.

- New product behavior note added.

- Product behavior note updated.

- Product behavior note removed.

- New protocol syntax added.

- Protocol syntax updated.

- Protocol syntax removed.

- New content added due to protocol revision.

- Content updated due to protocol revision.

- Content removed due to protocol revision.

- New protocol syntax added due to protocol revision.

- Protocol syntax updated due to protocol revision.

- Protocol syntax removed due to protocol revision.

- Obsolete document removed.

Editorial changes are always classified with the change type **Editorially updated**.

Some important terms used in the change type descriptions are defined as follows:

- **Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.

- **Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

The changes made to this document are listed in the following table. For more information, please contact dochelp@microsoft.com.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
6 Appendix A: Product Behavior	Updated list of supported products.	Y	Content updated due to protocol revision.

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