[MS-OXWSURPT]:
Retention Tag Web Service Protocol

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Revision Summary

Date	Revision History	Revision Class	Comments
07/16/2012	0.1	New	Released new document.
10/08/2012	1.0	Major	Significantly changed the technical content.
02/11/2013	2.0	Major	Significantly changed the technical content.
07/26/2013	2.0	No change	No changes to the meaning, language, or formatting of the technical content.
11/18/2013	2.0	No change	No changes to the meaning, language, or formatting of the technical content.
02/10/2014	2.0	No change	No changes to the meaning, language, or formatting of the technical content.
04/30/2014	2.0	No change	No changes to the meaning, language, or formatting of the technical content.
07/31/2014	2.1	Minor	Clarified the meaning of the technical content.
10/30/2014	2.1	No change	No changes to the meaning, language, or formatting of the technical content.

Table of Contents

1   Introduction

The Retention Tag Web Service Protocol enables clients to use a **web service** to retrieve **retention policy** information for items in a **mailbox**.

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 defined in [MS-OXGLOS]:

> **Calendar folder**
> **Contacts folder**
> **Deleted Items folder**
> **Drafts folder**
> **endpoint**
> **Hypertext Transfer Protocol (HTTP)**
> **Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**
> **Inbox folder**
> **Inter-Personal Mail (IPM)**
> **Journal folder**
> **Junk Email folder**
> **mailbox**
> **Notes folder**
> **Outbox folder**
> **retention policy**
> **retention tag**
> **Sent Items folder**
> **SOAP**
> **SOAP action**
> **SOAP body**
> **SOAP header**
> **Tasks folder**
> **web server**
> **web service**
> **Web Services Description Language (WSDL)**
> **WSDL message**
> **WSDL operation**
> **WSDL port type**
> **XML namespace**
> **XML namespace prefix**
> **XML schema**

The following terms are specific to this document:

> **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

References to Microsoft Open Specification documents do not include a publishing year because links are to the latest version of the documents, which are updated frequently. References to other documents include a publishing year when one is available.

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-OXWSCDATA] Microsoft Corporation, "Common Web Service Data Types".

[MS-OXWSXPROP] Microsoft Corporation, "Extended Properties Structure".

[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

[SOAP1.1] Box, D., Ehnebuske, D., Kakivaya, G., et al., "Simple Object Access Protocol (SOAP) 1.1", May 2000, http://www.w3.org/TR/2000/NOTE-SOAP-20000508/

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

[WSIBASIC] Ballinger, K., Ehnebuske, D., Gudgin, M., et al., Eds., "Basic Profile Version 1.0", Final Material, April 2004, http://www.ws-i.org/Profiles/BasicProfile-1.0-2004-04-16.html

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

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

[XMLSCHEMA2] Biron, P.V., Ed. and Malhotra, A., Ed., "XML Schema Part 2: Datatypes", W3C Recommendation, May 2001, http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/

1.2.2   Informative References

[MS-OXDSCLI] Microsoft Corporation, "Autodiscover Publishing and Lookup Protocol".

[MS-OXGLOS] Microsoft Corporation, "Exchange Server Protocols Master Glossary".

[MS-OXPROTO] Microsoft Corporation, "Exchange Server Protocols System Overview".

[MS-OXWSADISC] Microsoft Corporation, "Autodiscover Publishing and Lookup SOAP-Based Web Service Protocol".

[MS-OXWSCONV] Microsoft Corporation, "Conversations Web Service Protocol".

[MS-OXWSCORE] Microsoft Corporation, "Core Items Web Service Protocol".

[MS-OXWSFOLD] Microsoft Corporation, "Folders and Folder Permissions Web Service Protocol".

1.3 Overview

This protocol defines retention policies that are applied to folders, mailboxes, or individual items such as email and voice-mail messages.

There are three types of **retention tags**:

- Default policy tags that apply to mailbox items that have no other type of retention tag applied.

- System folder policy tags that are applied to default folders, such as the **Inbox folder**.

- Personal tags that users can apply to folders that they create or to individual items.
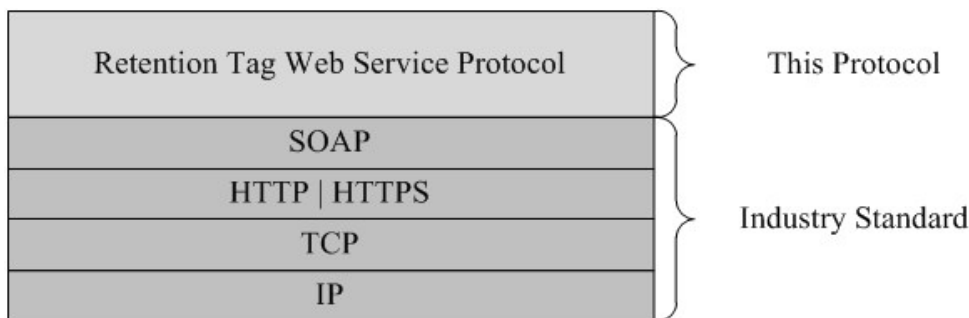
Only one retention policy can be assigned to a mailbox, but the policy can have one or more retention tags of various types linked to it. Retention tags can be linked to or unlinked from a retention policy at any time. This protocol provides an operation that lists all the retention tags that are associated with a user. These include retention tags linked to the retention policy applied on the user and retention tags that were selected by the user.

1.4 Relationship to Other Protocols

A client that implements this protocol can use the Autodiscover Publishing and Lookup SOAP-Based Web Service Protocol, as described in [MS-OXWSADISC], or the Autodiscover Publishing and Lookup Protocol, as described in [MS-OXDSCLI], to identify the target **endpoint** (4) to use for each operation.

This protocol uses **SOAP**, as described in [SOAP1.1], to specify the structure information that is exchanged between the client and the server. This protocol uses the **XML schema**, as described in [XMLSCHEMA1] and [XMLSCHEMA2], to describe the message content that is sent to and from the server.

This protocol uses SOAP over **HTTP**, as described in [RFC2616], and SOAP over **HTTPS**, as described in [RFC2818], as shown in the following layering diagram.

Figure 1: This protocol in relation to other protocols

The following protocols use the retention tag and retention action information provided by this protocol:

- Conversations Web Service Protocol, as described in [MS-OXWSCONV]

- Core Items Web Service Protocol, as described in [MS-OXWSCORE]

- Folders and Folder Permissions Web Service Protocol, as described in [MS-OXWSFOLD]

For conceptual background information and overviews of the relationships and interactions between this and other protocols, see [MS-OXPROTO].

1.5 Prerequisites/Preconditions

The endpoint (4) URL that is returned by either the Autodiscover Publishing Lookup SOAP-Based Web Service Protocol, as specified in [MS-OXWSADISC], or the Autodiscover Publishing and Lookup Protocol, as specified in [MS-OXDSCLI], forms the HTTP request to the **web server** that hosts this protocol. The operations that this protocol defines cannot be accessed unless the correct endpoint (4) is identified in the HTTP web requests that target this protocol.

1.6 Applicability Statement

This protocol is applicable to environments that use web services to implement retention policies for a user's mailbox. This protocol is applicable to all SOAP-based clients, as described in [SOAP1.1].

1.7 Versioning and Capability Negotiation

This document covers versioning issues in the following areas:

- **Supported Transports**: This protocol uses SOAP 1.1, as described in section 2.1.

- **Protocol Versions**: This protocol describes only one **WSDL port type** version. The **RequestServerVersion** element, as described in [MS-OXWSCDATA] section 2.2.4.7, identifies the WSDL port type version of the request. The **ServerVersionInfo** element, as described in [MS-OXWSCDATA] section 2.2.4.8, identifies the version of the server responding to the request.

- **Security and Authentication Methods**: This protocol relies on the web server that is hosting it to perform authentication.

- **Capability Negotiation**: This protocol does not support version negotiation.

1.8 Vendor-Extensible Fields

None.

1.9 Standards Assignments

None.

2   Messages

In the following sections, the schema definition might differ from the processing rules imposed by the protocol. The **Web Services Description Language (WSDL)** in this specification provides a base description of the protocol. The schema in this specification provides a base description of the message syntax. The text that specifies the WSDL and schema might specify restrictions that reflect actual protocol behavior. For example, the schema definition might allow for an element to be empty, null, or not present but the behavior of the protocol as specified restricts the same elements to being non-empty, not null, or present.

2.1   Transport

This protocol uses SOAP 1.1, as specified in [SOAP1.1].

This protocol MUST use SOAP over HTTP, as specified in [RFC2616]. The protocol SHOULD use secure communications by means of HTTPS, as specified in [RFC2818].

2.2   Common Message Syntax

This section contains common definitions that are used by this protocol. The syntax of the definitions uses XML schema, as defined in [XMLSCHEMA1] and [XMLSCHEMA2], and WSDL, as defined in [WSDL].

2.2.1   Namespaces

This specification defines and references various **XML namespaces** using the mechanisms specified in [XMLNS]. Although this specification associates a specific **XML namespace prefix** for each XML namespace that is used, the choice of any particular XML namespace prefix is implementation-specific and not significant for interoperability.

Prefix	Namespace URI	Reference
m	http://schemas.microsoft.com/exchange/services/2006/messages	
soap	http://schemas.xmlsoap.org/wsdl/soap/	[SOAP1.1]
t	http://schemas.microsoft.com/exchange/services/2006/types	
wsdl	http://schemas.xmlsoap.org/wsdl/	[WSDL]
wsi	http://ws-i.org/schemas/conformanceClaim/	[WSIBASIC]
xs	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA1] [XMLSCHEMA2]

2.2.2   Messages

This specification does not define any common **WSDL message** definitions.

2.2.3   Elements

This specification does not define any common XML schema element definitions.

2.2.4 Complex Types

The following table summarizes the set of common XML schema complex type definitions defined by this specification. XML schema complex type definitions that are specific to a particular operation are described with the operation.

Complex type	Description
RetentionTagType	The **RetentionTagType** complex type specifies the retention policy tag applied to a folder or an item. This type extends the **GuidType** simple type, as specified by [MS-OXWSXPROP] section 2.1.7.

2.2.4.1 RetentionTagType

Namespace: http://schemas.microsoft.com/exchange/services/2006/types

The **RetentionTagType** complex type specifies the retention policy tag applied to a folder or an item. This type extends the **GuidType** simple type, as specified by [MS-OXWSXPROP] section 2.1.7.

```
<xs:complexType name="RetentionTagType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleContent>
    <xs:extension base="t:GuidType">
      <xs:attribute name="IsExplicit" type="xs:boolean" use="required"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

IsExplicit: An attribute of type **boolean**, as defined in [XMLSCHEMA2], that indicates whether the retention policy tag associated with a folder or an item was applied explicitly.

2.2.5 Simple Types

The following table summarizes the set of common XML schema simple type definitions defined by this specification. XML schema simple type definitions that are specific to a particular operation are described with the operation.

Simple type	Description
RetentionType	The **RetentionType** simple type specifies the type of the retention action.

2.2.5.1 RetentionType

Namespace: http://schemas.microsoft.com/exchange/services/2006/types

The **RetentionType** simple type specifies the type of the retention action.

```
<xs:simpleType name="RetentionType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Delete"/>
    <xs:enumeration value="Archive"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for the **RetentionType** simple type.

Value	Meaning
Delete	Specifies deletion.
Archive	Specifies archiving.

2.2.6 Attributes

This specification does not define any common XML schema attribute definitions.

2.2.7 Groups

This specification does not define any common XML schema group definitions.

2.2.8 Attribute Groups

This specification does not define any common XML schema attribute group definitions.

3   Protocol Details

The client side of this protocol is simply a pass-through. That is, no additional timers or other state is required on the client side of this protocol. Calls made by the higher-layer protocol or application are passed directly to the transport, and the results returned by the transport are passed directly back to the higher-layer protocol or application.

In the following sections, the schema definition might be less restrictive than the processing rules imposed by the protocol. The WSDL in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL specifies additional restrictions that reflect actual Microsoft product behavior. For example, the schema definition might allow for an element to be empty, null, or not present but the behavior of the protocol as specified restricts the same elements to being non-empty, not null and present.

3.1   ExchangeServicePortType Server Details

This protocol defines a single WSDL port type, ExchangeServicePortType. This port type has one operation, the **GetUserRetentionPolicyTags** operation, which retrieves retention policy tags.

3.1.1   Abstract Data Model

None.

3.1.2   Timers

None.

3.1.3   Initialization

None.

3.1.4   Message Processing Events and Sequencing Rules

The following table summarizes the list of operations as defined by this specification.

Operation	Description
GetUserRetentionPolicyTags	The **GetUserRetentionPolicyTags** operation retrieves a list of all default, system folder, and personal tags that are associated with a user by means of a system policy or that were applied by the user.

3.1.4.1   GetUserRetentionPolicyTags

The **GetUserRetentionPolicyTags** operation retrieves a list of all default, system folder, and personal tags that are associated with a user by means of a system policy or that were applied by the user.

The following is the WSDL port type specification of the **GetUserRetentionPolicyTags WSDL operation**.

```
  <wsdl:operation name="GetUserRetentionPolicyTags"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
    <wsdl:input message="m:GetUserRetentionPolicyTagsSoapIn"/>
    <wsdl:output message="m:GetUserRetentionPolicyTagsSoapOut"/>
```

```
      </wsdl:operation>
```

The following is the WSDL binding specification of the **GetUserRetentionPolicyTags** operation.

```
<wsdl:operation name="GetUserRetentionPolicyTags"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetUserRetentionPoli
cyTags" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  <wsdl:input>
    <soap:header message="m:GetUserRetentionPolicyTagsSoapIn" part="RequestVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" parts="GetUserRetentionPolicyTagsResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:GetUserRetentionPolicyTagsSoapOut" part="ServerVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:output>
</wsdl:operation>
```

The protocol client sends a **GetUserRetentionPolicyTagsSoapIn** request WSDL message and the protocol server responds with a **GetUserRetentionPolicyTagsSoapOut** response.

3.1.4.1.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetUserRetentionPolicyTagsSoapIn	Specifies the request to retrieve user retention policy tags.
GetUserRetentionPolicyTagsSoapOut	Specifies the response to the **GetUserRetentionPolicyTagsSoapIn** request.

3.1.4.1.1.1 GetUserRetentionPolicyTagsSoapIn

The **GetUserRetentionPolicyTagsSoapIn** WSDL message specifies the request to retrieve user retention policy tags.

The following is the **GetUserRetentionPolicyTagsSoapIn** WSDL message specification.

```
<wsdl:message name="GetUserRetentionPolicyTagsSoapIn"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:GetUserRetentionPolicyTags"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

The **GetUserRetentionPolicyTagsSoapIn** WSDL message is the input message for the **SOAP action**
http://schemas.microsoft.com/exchange/services/2006/messages/GetUserRetentionPolicyTags.

The parts of the **GetUserRetentionPolicyTagsSoapIn** WSDL message are described in the following table.

Part name	Element/type	Description
request	**GetUserRetentionPolicyTags** (section 3.1.4.1.2.1)	Specifies the **SOAP body** of the request to retrieve retention policy tags.
RequestVersion	**RequestServerVersion** ([MS-OXWSCDATA] section 2.2.3.9)	Specifies a **SOAP header** that identifies the schema version for the **GetUserRetentionPolicyTags** operation request.

3.1.4.1.1.2   GetUserRetentionPolicyTagsSoapOut

The **GetUserRetentionPolicyTagsSoapOut** WSDL message specifies the response to the **GetUserRetentionPolicyTagsSoapIn** request.

The following is the **GetUserRetentionPolicyTagsSoapOut** WSDL message specification.

```
<wsdl:message name="GetUserRetentionPolicyTagsSoapOut"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="GetUserRetentionPolicyTagsResult"
element="m:GetUserRetentionPolicyTagsResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **GetUserRetentionPolicyTagsSoapOut** WSDL message is the output message for the SOAP action
http://schemas.microsoft.com/exchange/services/2006/messages/GetUserRetentionPolicyTags.

The parts of the **GetUserRetentionPolicyTagsSoapOut** WSDL message are described in the following table.

Part name	Element/type	Description
GetUserRetentionPolicyTagsResult	**GetUserRetentionPolicyTagsResponse** (section 3.1.4.1.2.2)	Specifies the SOAP body of the response that contains the requested information.
ServerVersion	**ServerVersionInfo** ([MS-OXWSCDATA] section 2.2.3.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **GetUserRetentionPolicyTags** operation request returns a **GetUserRetentionPolicyTagsResponse** element with the **ResponseClass** attribute, as defined in [MS-OXWSCDATA] section 2.2.4.57, set to "Success". The **ResponseCode** element of the **GetUserRetentionPolicyTagsResponse** element, as defined in [MS-OXWSCDATA] section 2.2.4.57, is set to "NoError".

If the **GetUserRetentionPolicyTags** operation is not successful, the operation returns a **GetUserRetentionPolicyTagsResponse** element with the **ResponseClass** attribute set to "Error". The **ResponseCode** element of the **GetUserRetentionPolicyTagsResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.23.

3.1.4.1.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetUserRetentionPolicyTags	The input data for the **GetUserRetentionPolicyTags** WSDL operation.
GetUserRetentionPolicyTagsResponse	The result data for the **GetUserRetentionPolicyTags** WSDL operation.

3.1.4.1.2.1 GetUserRetentionPolicyTags

The **GetUserRetentionPolicyTags** element specifies the input data for the **GetUserRetentionPolicyTags** WSDL operation.

```
<xs:element name="GetUserRetentionPolicyTags" type="m:GetUserRetentionPolicyTagsType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.1.2.2 GetUserRetentionPolicyTagsResponse

The **GetUserRetentionPolicyTagsResponse** element specifies the result data for the **GetUserRetentionPolicyTags** WSDL operation.

```
<xs:element name="GetUserRetentionPolicyTagsResponse"
type="m:GetUserRetentionPolicyTagsResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.1.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfRetentionPolicyTagsType	Specifies an array of retention policy tags that are returned by the **GetUserRetentionPolicyTags** operation.
GetUserRetentionPolicyTagsResponseMessageType	Specifies a response message for the **GetUserRetentionPolicyTags** operation.
GetUserRetentionPolicyTagsType	Specifies a request to retrieve user retention policy tags.
RetentionPolicyTagType	Specifies a retention policy tag.

3.1.4.1.3.1   ArrayOfRetentionPolicyTagsType

Namespace: http://schemas.microsoft.com/exchange/services/2006/types

The **ArrayOfRetentionPolicyTagsType** complex type specifies an array of retention policy tags that are returned by the **GetUserRetentionPolicyTags** operation.

```
<xs:complexType name="ArrayOfRetentionPolicyTagsType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="RetentionPolicyTag"
type="t:RetentionPolicyTagType"/>
  </xs:sequence>
</xs:complexType>
```

RetentionPolicyTag: An element of type **RetentionPolicyTagType**, as defined in section 3.1.4.1.3.4, that represents a single retention policy tag.

3.1.4.1.3.2   GetUserRetentionPolicyTagsResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **GetUserRetentionPolicyTagsResponseMessageType** complex type specifies a response message for the **GetUserRetentionPolicyTags** operation. This complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="GetUserRetentionPolicyTagsResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType">
      <xs:sequence>
        <xs:element name="RetentionPolicyTags" type="t:ArrayOfRetentionPolicyTagsType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

RetentionPolicyTags: An element that is of the **ArrayOfRetentionPolicyTagsType** complex type, as defined in section 3.1.4.1.3.1, that represents an array of retention policy tags.

3.1.4.1.3.3   GetUserRetentionPolicyTagsType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **GetUserRetentionPolicyTagsType** complex type specifies a request to retrieve user retention policy tags. This complex type extends the **BaseRequestType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.15.

```
<xs:complexType name="GetUserRetentionPolicyTagsType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType"/>
  </xs:complexContent>
</xs:complexType>
```

3.1.4.1.3.4   RetentionPolicyTagType

Namespace: http://schemas.microsoft.com/exchange/services/2006/types

The **RetentionPolicyTagType** complex type specifies a retention policy tag.

```
<xs:complexType name="RetentionPolicyTagType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="DisplayName" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="RetentionId" type="t:GuidType"/>
    <xs:element minOccurs="1" maxOccurs="1" name="RetentionPeriod" type="xs:int"/>
    <xs:element minOccurs="1" maxOccurs="1" name="Type" type="t:ElcFolderType"/>
    <xs:element minOccurs="1" maxOccurs="1" name="RetentionAction"
type="t:RetentionActionType"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Description" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="IsVisible" type="xs:boolean"/>
    <xs:element minOccurs="1" maxOccurs="1" name="OptedInto" type="xs:boolean"/>
    <xs:element minOccurs="1" maxOccurs="1" name="IsArchive" type="xs:boolean"/>
  </xs:sequence>
</xs:complexType>
```

DisplayName: An element of type **string**, as defined in [XMLSCHEMA2] section 3.2.1, that specifies the name of the retention policy.

RetentionId: An element of type **GuidType**, as defined in [MS-OXWSXPROP] section 2.1.7, that contains the retention tag identifier.

RetentionPeriod: An element of type **int**, as defined in [XMLSCHEMA2] section 3.3.17, that contains the number of days the retention is in effect.

Type: An element of type **ElcFolderType**, as defined in section 3.1.4.1.4.1, that indicates the type of the folder being used in a retention policy.

RetentionAction: An element that is of the **RetentionActionType** simple type, as defined in section 3.1.4.1.4.2, that contains the action performed by the retention tag.

Description: An element of type **string** that contains the descriptive text for the retention policy.

IsVisible: An element of type **boolean**, as defined in [XMLSCHEMA2] section 3.2.2, that indicates whether the retention policy is visible to users.

OptedInto: An element of type **boolean** that indicates whether the user opted in to the retention policy.

IsArchive: An element of type **boolean** that indicates whether this is a move to archive the tag.

3.1.4.1.4   Simple Types

The following table summarizes the XML schema simple type definitions that are specific to this operation.

Simple type	Description
ElcFolderType	Identifies folders that accept messaging records management (MRM) policies. MRM is a records management technology that helps organizations manage email lifecycle and reduce the legal risks associated with email.

Simple type	Description
RetentionActionType	Identifies retention actions.

3.1.4.1.4.1 ElcFolderType

Namespace: http://schemas.microsoft.com/exchange/services/2006/types

The **ElcFolderType** enumeration identifies folders that accept messaging records management (MRM) policies. In a retention policy tag, this indicates which folder to apply the policy to.

```
<xs:simpleType name="ElcFolderType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Calendar"/>
    <xs:enumeration value="Contacts"/>
    <xs:enumeration value="DeletedItems"/>
    <xs:enumeration value="Drafts"/>
    <xs:enumeration value="Inbox"/>
    <xs:enumeration value="JunkEmail"/>
    <xs:enumeration value="Journal"/>
    <xs:enumeration value="Notes"/>
    <xs:enumeration value="Outbox"/>
    <xs:enumeration value="SentItems"/>
    <xs:enumeration value="Tasks"/>
    <xs:enumeration value="All"/>
    <xs:enumeration value="ManagedCustomFolder"/>
    <xs:enumeration value="RssSubscriptions"/>
    <xs:enumeration value="SyncIssues"/>
    <xs:enumeration value="ConversationHistory"/>
    <xs:enumeration value="Personal"/>
    <xs:enumeration value="RecoverableItems"/>
    <xs:enumeration value="NonIpmRoot"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for the **ElcFolderType** simple type.

Value	Meaning
Calendar	**Calendar folder**.
Contacts	**Contacts folder**.
DeletedItems	**Deleted Items folder**.
Drafts	**Drafts folder**.
Inbox	Inbox folder.
JunkEmail	**Junk Email folder**.
Journal	**Journal folder**.
Notes	**Notes folder**.
Outbox	**Outbox folder**.

Value	Meaning
SentItems	**Sent Items folder**.
Tasks	**Tasks folder**.
All	All folders. This indicates the default policy tag.
ManagedCustomFolder	Managed custom folder.
RssSubscriptions	RSS subscriptions folder.
SyncIssues	Synchronization issues folder.
ConversationHistory	Conversation history folder.
Personal	Personal folder. This is folder created by the user.
RecoverableItems	Recoverable items folder.
NonIpmRoot	Root folder that is not an **Inter-Personal Mail (IPM)** folder.

3.1.4.1.4.2 RetentionActionType

Namespace: http://schemas.microsoft.com/exchange/services/2006/types

The **RetentionActionType** enumeration identifies the action for expired items.

```
<xs:simpleType name="RetentionActionType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="None"/>
    <xs:enumeration value="MoveToDeletedItems"/>
    <xs:enumeration value="MoveToFolder"/>
    <xs:enumeration value="DeleteAndAllowRecovery"/>
    <xs:enumeration value="PermanentlyDelete"/>
    <xs:enumeration value="MarkAsPastRetentionLimit"/>
    <xs:enumeration value="MoveToArchive"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for the **RetentionActionType** simple type.

Value	Meaning
None	No action.
MoveToDeletedItems	The expired item is moved to the Deleted Items folder.
MoveToFolder	The expired item is moved to a folder.
DeleteAndAllowRecovery	The expired item is deleted but can be recovered.
PermanentlyDelete	The expired item is permanently deleted.
MarkAsPastRetentionLimit	The expired item is marked as expired.
MoveToArchive	The expired item is moved to the archive mailbox.

3.1.4.1.5   Attributes

None.

3.1.4.1.6   Groups

None.

3.1.4.1.7   Attribute Groups

None.

3.1.5   Timer Events

None.

3.1.6   Other Local Events

None.

4 Protocol Examples

In this example, the client sends a request to retrieve user retention policy tags.

```xml
<?xml version="1.0" encoding="utf-8" ?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages">
  <soap:Header>
    <t:RequestServerVersion Version="Exchange2013"/>
    <t:TimeZoneContext>
      <t:TimeZoneDefinition Id="Pacific Standard Time"/>
    </t:TimeZoneContext>
  </soap:Header>
  <soap:Body>
    <m:GetUserRetentionPolicyTags/>
  </soap:Body>
</soap:Envelope>
```

In this response example, the server responds with all personal, system, and default retention tags.

```xml
<?xml version="1.0" encoding="utf-8"?>
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Header>
    <h:ServerVersionInfo MajorVersion="15" MinorVersion="0" MajorBuildNumber="430"
MinorBuildNumber="0" Version="Exchange2013"
xmlns:h="http://schemas.microsoft.com/exchange/services/2006/types"
xmlns="http://schemas.microsoft.com/exchange/services/2006/types"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"/>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <GetUserRetentionPolicyTagsResponse ResponseClass="Success"
xmlns="http://schemas.microsoft.com/exchange/services/2006/types>
      <ResponseCode>NoError</ResponseCode>
      <RetentionPolicyTags>
        <RetentionPolicyTag xmlns="http://schemas.microsoft.com/exchange/services/2006/types>
          <DisplayName>Recoverable Items 14 days move to archive</DisplayName>
          <RetentionId>80feb2e9-8e6f-4f67-06ae585982</RetentionId>
          <RetentionPeriod>14</RetentionPeriod>
          <Type>Personal</Type>
          <RetentionAction>MoveToArchive</RetentionAction>
          <IsVisible>false</IsVisible>
          <OptedInto>false</OptedInto>
          <IsArchive>true</IsArchive>
        </RetentionPolicyTag>
        <RetentionPolicyTag xmlns="http://schemas.microsoft.com/exchange/services/2006/types"
>
          <DisplayName>Never Delete</DisplayName>
          <RetentionId>414c6a14-3ed5-432e-620a8278f0</RetentionId>
          <RetentionPeriod>0</RetentionPeriod>
          <Type>Personal</Type>
          <RetentionAction>None</RetentionAction>
          <IsVisible>true</IsVisible>
          <OptedInto>false</OptedInto>
```

```
            <IsArchive>false</IsArchive>
        </RetentionPolicyTag>
        <RetentionPolicyTag
xmlns="http://schemas.microsoft.com/exchange/services/2006/types">
            <DisplayName>5 Year Delete</DisplayName>
            <RetentionId>1d128b50-14f2-4417-cb7d015fd7</RetentionId>
            <RetentionPeriod>1825</RetentionPeriod>
            <Type>Personal</Type>
            <RetentionAction>DeleteAndAllowRecovery</RetentionAction>
            <IsVisible>true</IsVisible>
            <OptedInto>false</OptedInto>
            <IsArchive>false</IsArchive>
        </RetentionPolicyTag>
        <RetentionPolicyTag
xmlns="http://schemas.microsoft.com/exchange/services/2006/types">
            <DisplayName>1 Year Delete</DisplayName>
            <RetentionId>9a3c36dd-c0eb-424a-8bd17f855</RetentionId>
            <RetentionPeriod>365</RetentionPeriod>
            <Type>Personal</Type>
            <RetentionAction>DeleteAndAllowRecovery</RetentionAction>
            <IsVisible>true</IsVisible>
            <OptedInto>false</OptedInto>
            <IsArchive>false</IsArchive>
        </RetentionPolicyTag>
        <RetentionPolicyTag
xmlns="http://schemas.microsoft.com/exchange/services/2006/types">
            <DisplayName>6 Month Delete</DisplayName>
            <RetentionId>d94993b5-e987-4275-2057cfb2b8</RetentionId>
            <RetentionPeriod>180</RetentionPeriod>
            <Type>Personal</Type>
            <RetentionAction>DeleteAndAllowRecovery</RetentionAction>
            <IsVisible>true</IsVisible>
            <OptedInto>false</OptedInto>
            <IsArchive>false</IsArchive>
        </RetentionPolicyTag>
        <RetentionPolicyTag
xmlns="http://schemas.microsoft.com/exchange/services/2006/types">
            <DisplayName>1 Month Delete</DisplayName>
            <RetentionId>fc92a703-51e3-411f-966668ee49c</RetentionId>
            <RetentionPeriod>30</RetentionPeriod>
            <Type>Personal</Type>
            <RetentionAction>DeleteAndAllowRecovery</RetentionAction>
            <IsVisible>true</IsVisible>
            <OptedInto>false</OptedInto>
            <IsArchive>false</IsArchive>
        </RetentionPolicyTag>
        <RetentionPolicyTag
xmlns="http://schemas.microsoft.com/exchange/services/2006/types">
            <DisplayName>1 Week Delete</DisplayName>
            <RetentionId>2d26745c-8566-4dc3-88f56443b7b</RetentionId>
            <RetentionPeriod>7</RetentionPeriod>
            <Type>Personal</Type>
            <RetentionAction>DeleteAndAllowRecovery</RetentionAction>
            <IsVisible>true</IsVisible>
            <OptedInto>false</OptedInto>
            <IsArchive>false</IsArchive>
        </RetentionPolicyTag>
        <RetentionPolicyTag
xmlns="http://schemas.microsoft.com/exchange/services/2006/types">
```

```
            <DisplayName>Personal never move to archive</DisplayName>
            <RetentionId>c6c9ad12-9e46-053-e1ea189ab0cc</RetentionId>
            <RetentionPeriod>0</RetentionPeriod>
            <Type>Personal</Type>
            <RetentionAction>None</RetentionAction>
            <IsVisible>true</IsVisible>
            <OptedInto>false</OptedInto>
            <IsArchive>true</IsArchive>
          </RetentionPolicyTag>
          <RetentionPolicyTag
 xmlns="http://schemas.microsoft.com/exchange/services/2006/types">
            <DisplayName>Personal 5 year move to archive</DisplayName>
            <RetentionId>790300f2-2ffd-4380-2daadc05c8</RetentionId>
            <RetentionPeriod>1825</RetentionPeriod>
            <Type>Personal</Type>
            <RetentionAction>MoveToArchive</RetentionAction>
            <IsVisible>true</IsVisible>
            <OptedInto>false</OptedInto>
            <IsArchive>true</IsArchive>
          </RetentionPolicyTag>
          <RetentionPolicyTag
 xmlns="http://schemas.microsoft.com/exchange/services/2006/types">
            <DisplayName>Personal 1 year move to archive</DisplayName>
            <RetentionId>66904d6f-bf73-4460-fad894a0f</RetentionId>
            <RetentionPeriod>365</RetentionPeriod>
            <Type>Personal</Type>
            <RetentionAction>MoveToArchive</RetentionAction>
            <IsVisible>true</IsVisible>
            <OptedInto>false</OptedInto>
            <IsArchive>true</IsArchive>
          </RetentionPolicyTag>
          <RetentionPolicyTag
 xmlns="http://schemas.microsoft.com/exchange/services/2006/types">
            <DisplayName>Default 2 year move to archive</DisplayName>
            <RetentionId>9acbb441-faf8-b3867bdf399c</RetentionId>
            <RetentionPeriod>730</RetentionPeriod>
            <Type>All</Type>
            <RetentionAction>MoveToArchive</RetentionAction>
            <IsVisible>false</IsVisible>
            <OptedInto>false</OptedInto>
            <IsArchive>true</IsArchive>
          </RetentionPolicyTag>
        </RetentionPolicyTags>
      </GetUserRetentionPolicyTagsResponse>
   </s:Body>
</s:Envelope>
```

5   Security

5.1   Security Considerations for Implementers

None.

5.2   Index of Security Parameters

None.

6 Appendix A: Full WSDL

For ease of implementation, the full WSDL is provided in this appendix.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<wsdl:definitions xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages"
version="Exchange2013" id="messages" xmlns:xs="http://www.w3.org/2001/XMLSchema">
      <xs:include schemaLocation="MS-OXWSURPT-messages.xsd"/>
    </xs:schema>
  </wsdl:types>
  <wsdl:portType name="ExchangeServicePortType">
    <wsdl:operation name="GetUserRetentionPolicyTags">
      <wsdl:input message="m:GetUserRetentionPolicyTagsSoapIn"/>
      <wsdl:output message="m:GetUserRetentionPolicyTagsSoapOut"/>
    </wsdl:operation>
  </wsdl:portType>
  <wsdl:binding name="ExchangeServiceBinding" type="m:ExchangeServicePortType">
    <wsdl:documentation>
      <wsi:Claim conformsTo="http://ws-i.org/profiles/basic/1.0" xmlns:wsi="http://ws-
i.org/schemas/conformanceClaim/"/>
    </wsdl:documentation>
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
    <wsdl:operation name="GetUserRetentionPolicyTags">
      <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetUserRetentionPoli
cyTags"/>
      <wsdl:input>
        <soap:header message="m:GetUserRetentionPolicyTagsSoapIn" part="RequestVersion"
use="literal"/>
        <soap:body use="literal" parts="request"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" parts="GetUserRetentionPolicyTagsResult"/>
        <soap:header message="m:GetUserRetentionPolicyTagsSoapOut" part="ServerVersion"
use="literal"/>
      </wsdl:output>
    </wsdl:operation>
  </wsdl:binding>
  <wsdl:message name="GetUserRetentionPolicyTagsSoapIn">
    <wsdl:part name="request" element="m:GetUserRetentionPolicyTags"/>
    <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
  </wsdl:message>
  <wsdl:message name="GetUserRetentionPolicyTagsSoapOut">
    <wsdl:part name="GetUserRetentionPolicyTagsResult"
element="m:GetUserRetentionPolicyTagsResponse"/>
    <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
  </wsdl:message>
</wsdl:definitions>
```

7 Appendix B: Full XML Schema

Schema name	Prefix	Section
http://schemas.microsoft.com/exchange/services/2006/messages	m	7.1
http://schemas.microsoft.com/exchange/services/2006/types	t	7.2

For ease of implementation, the following sections provide the full XML schema for this protocol.

7.1 http://schemas.microsoft.com/exchange/services/2006/messages Schema

This section contains the contents of the MS-OXWSURPT-messages.xsd file and information about additional files that this schema file requires to operate correctly.

MS-OXWSURPT-messages.xsd includes the files listed in the following table. To operate correctly, these files have to be present in the folder that contains the WSDL, types schema, and messages schema for this protocol.

File name	Defining specification/section
MS-OXWSCDATA-messages.xsd	[MS-OXWSCDATA] section 7.1
MS-OXWSURPT-types.xsd	7.2

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages"
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages"
version="Exchange2013" id="messages" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import schemaLocation="MS-OXWSURPT-types.xsd"
namespace="http://schemas.microsoft.com/exchange/services/2006/types"/>
  <xs:include schemaLocation="MS-OXWSCDATA-messages.xsd"/>
  <xs:complexType name="GetUserRetentionPolicyTagsType">
    <xs:complexContent mixed="false">
      <xs:extension base="m:BaseRequestType"/>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="GetUserRetentionPolicyTags" type="m:GetUserRetentionPolicyTagsType"/>
  <xs:complexType name="GetUserRetentionPolicyTagsResponseMessageType">
    <xs:complexContent mixed="false">
      <xs:extension base="m:ResponseMessageType">
        <xs:sequence>
          <xs:element name="RetentionPolicyTags" type="t:ArrayOfRetentionPolicyTagsType"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="GetUserRetentionPolicyTagsResponse"
type="m:GetUserRetentionPolicyTagsResponseMessageType"/>
</xs:schema>
```

7.2   http://schemas.microsoft.com/exchange/services/2006/types Schema

This section contains the contents of the MS-OXWSURPT-types.xsd file and information about additional files that this schema file requires to operate correctly.

MS-OXWSURPT-types.xsd includes the file listed in the following table. To operate correctly, this file has to be present in the folder that contains the WSDL, types schema, and messages schema for this protocol.

File name	Defining specification/section
MS-OXWSXPROP-types.xsd	[MS-OXWSXPROP] section 2.1

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/types"
version="Exchange2013" id="types" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://www.w3.org/XML/1998/namespace"/>
  <xs:include schemaLocation="MS-OXWSXPROP-types.xsd"/>
  <xs:complexType name="ArrayOfRetentionPolicyTagsType">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="RetentionPolicyTag"
type="t:RetentionPolicyTagType"/>
    </xs:sequence>
  </xs:complexType>
  <xs:simpleType name="ElcFolderType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Calendar"/>
      <xs:enumeration value="Contacts"/>
      <xs:enumeration value="DeletedItems"/>
      <xs:enumeration value="Drafts"/>
      <xs:enumeration value="Inbox"/>
      <xs:enumeration value="JunkEmail"/>
      <xs:enumeration value="Journal"/>
      <xs:enumeration value="Notes"/>
      <xs:enumeration value="Outbox"/>
      <xs:enumeration value="SentItems"/>
      <xs:enumeration value="Tasks"/>
      <xs:enumeration value="All"/>
      <xs:enumeration value="ManagedCustomFolder"/>
      <xs:enumeration value="RssSubscriptions"/>
      <xs:enumeration value="SyncIssues"/>
      <xs:enumeration value="ConversationHistory"/>
      <xs:enumeration value="Personal"/>
      <xs:enumeration value="RecoverableItems"/>
      <xs:enumeration value="NonIpmRoot"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="RetentionActionType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="None"/>
      <xs:enumeration value="MoveToDeletedItems"/>
      <xs:enumeration value="MoveToFolder"/>
      <xs:enumeration value="DeleteAndAllowRecovery"/>
      <xs:enumeration value="PermanentlyDelete"/>
      <xs:enumeration value="MarkAsPastRetentionLimit"/>
      <xs:enumeration value="MoveToArchive"/>
    </xs:restriction>
```

```
    </xs:simpleType>
    <xs:complexType name="RetentionPolicyTagType">
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="DisplayName" type="xs:string"/>
        <xs:element minOccurs="1" maxOccurs="1" name="RetentionId" type="t:GuidType"/>
        <xs:element minOccurs="1" maxOccurs="1" name="RetentionPeriod" type="xs:int"/>
        <xs:element minOccurs="1" maxOccurs="1" name="Type" type="t:ElcFolderType"/>
        <xs:element minOccurs="1" maxOccurs="1" name="RetentionAction"
 type="t:RetentionActionType"/>
        <xs:element minOccurs="0" maxOccurs="1" name="Description" type="xs:string"/>
        <xs:element minOccurs="1" maxOccurs="1" name="IsVisible" type="xs:boolean"/>
        <xs:element minOccurs="1" maxOccurs="1" name="OptedInto" type="xs:boolean"/>
        <xs:element minOccurs="1" maxOccurs="1" name="IsArchive" type="xs:boolean"/>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="RetentionTagType">
      <xs:simpleContent>
        <xs:extension base="t:GuidType">
          <xs:attribute name="IsExplicit" type="xs:boolean" use="required"/>
        </xs:extension>
      </xs:simpleContent>
    </xs:complexType>
    <xs:simpleType name="RetentionType">
      <xs:restriction base="xs:string">
        <xs:enumeration value="Delete"/>
        <xs:enumeration value="Archive"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:schema>
```

8   Appendix C: 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 Exchange Server 2013

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.

9 Change Tracking

No table of changes is available. The document is either new or has had no changes since its last release.

10 Index