

[MS-OXWSARCH]: Archiving Web Service Protocol Specification

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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.

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1 Introduction

The Archiving Web Service Protocol enables clients to use a **web service** to archive 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 RFC 2119. Sections 1.5 and 1.9 are also normative but cannot contain those terms. All other sections and examples in this specification are informative.

1.1 Glossary

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

Hypertext Transfer Protocol (HTTP)
Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)

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

endpoint
Inbox folder
mailbox
Simple Object Access Protocol (SOAP)
SOAP action
SOAP body
SOAP header
Uniform Resource Identifier (URI)
Uniform Resource Locator (URL)
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 described in [\[RFC2119\]](#). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

1.2 References

References to Microsoft Open Specifications documentation do not include a publishing year because links are to the latest version of the technical 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. Please check the archive site,

<http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624>, as an additional source.

[MS-OXWSCDATA] Microsoft Corporation, "[Common Web Service Data Types](#)".

[MS-OXWSCORE] Microsoft Corporation, "[Core Items Web Service Protocol Specification](#)".

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

[MS-OXWSGTZ] Microsoft Corporation, "[Get Server Time Zone Web Service Protocol Specification](#)".

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

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

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

[RFC3066] Alvestrand, H., "Tags for the Identification of Language", RFC 3066, January 2001, <http://www.ietf.org/rfc/rfc3066.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., Eds., et al., "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.S., Ed., Beech, D., Ed., Maloney, M., Ed., and Mendelsohn, N., Ed., "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-GLOS] Microsoft Corporation, "[Windows Protocols Master Glossary](#)".

[MS-OXDCLI] Microsoft Corporation, "[Autodiscover Publishing and Lookup Protocol Specification](#)".

[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 Specification](#)".

1.3 Overview

Archive mailboxes are secondary mailboxes that are associated with a user. Archive mailboxes are typically used to manage email storage limits. For example, older email items might periodically be moved from the **Inbox folder** to the archive mailbox.

This protocol provides operations to archive a set of mail items from a primary mailbox. Archiving items in the Inbox folder in this way preserves the folder hierarchy of the items. In addition, archive mailboxes can be stored either locally on a client or remotely, in a way that is mostly opaque to a user, by using a folder path to point to the contents of the archive.

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 [\[MS-OXDCLI\]](#), 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.

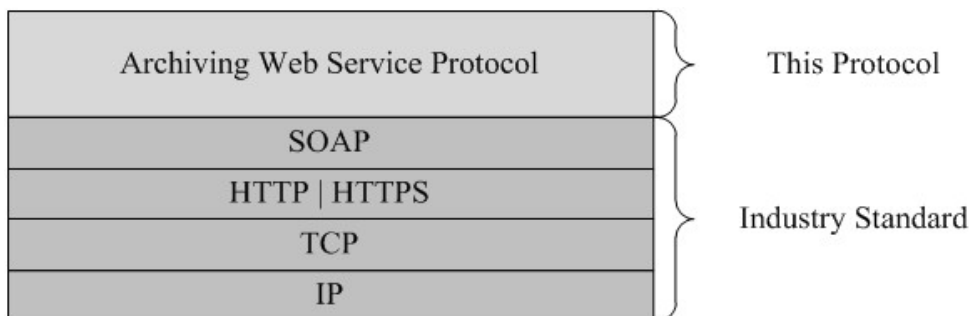


Figure 1: This protocol in relation to other protocols

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 described in [\[MS-OXWSADISC\]](#), or the Autodiscover Publishing and Lookup Protocol, as described in [\[MS-OXDCLI\]](#), 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 archiving from 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 **t:RequestServerVersion** element, as described in [\[MS-OXWSCDATA\]](#) section 2.2.5.9, identifies the WSDL port type version of the request. The **t:ServerVersionInfo** element, as described in [\[MS-OXWSCDATA\]](#) section 2.2.5.10 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.
- **Localization:** This protocol uses the **MailboxCulture** element, as described in [\[MS-OXWSCDATA\]](#) section 2.2.4.39, to specify the culture of a mailbox.
- **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 [\[SOAP1.1\]](#).

The protocol **MUST** support 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 specified in [\[XMLSCHEMA1\]](#) and [\[XMLSCHEMA2\]](#), and WSDL, as specified 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

This specification does not define any common XML schema complex type definitions.

2.2.5 Simple Types

This specification does not define any common XML schema simple type definitions.

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 with two operations. These operations enable clients to archive items in a mailbox and create a path to the archive location.

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
ArchiveItem	The ArchiveItem operation moves an item from the primary mailbox to the archive mailbox.
CreateFolderPath	The CreateFolderPath operation creates a Uniform Resource Identifier (URI) that points to the storage location for the archive mailbox.

3.1.4.1 ArchiveItem

The **ArchiveItem** operation moves an item from the primary mailbox to the archive mailbox.

```
<wsdl:operation name="ArchiveItem" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="m:ArchiveItemSoapIn"/>
  <wsdl:output message="m:ArchiveItemSoapOut"/>
</wsdl:operation>
```

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

```

<wsdl:operation name="ArchiveItem" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <soap:operation
    soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/ArchiveItem"
    xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" />
  <wsdl:input>
    <soap:header message="m:ArchiveItemSoapIn" part="Impersonation" use="literal"
      xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" />
    <soap:header message="m:ArchiveItemSoapIn" part="MailboxCulture" use="literal"
      xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" />
    <soap:header message="m:ArchiveItemSoapIn" 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="ArchiveItemResult"
      xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" />
    <soap:header message="m:ArchiveItemSoapOut" part="ServerVersion" use="literal"
      xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" />
  </wsdl:output>
</wsdl:operation>

```

The protocol client sends an **ArchiveItemSoapIn** request WSDL message, as specified in section [3.1.4.1.1.1](#), and the protocol server responds with an **ArchiveItemSoapOut** response message, as specified in section [3.1.4.1.1.2](#).

3.1.4.1.1 Messages

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

Message	Description
ArchiveItemSoapIn	Specifies the request to archive an item.
ArchiveItemSoapOut	Specifies the response to the request to archive an item.

3.1.4.1.1.1 ArchiveItemSoapIn

The **ArchiveItemSoapIn** WSDL message specifies the request to archive an item.

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

```

<wsdl:message name="ArchiveItemSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:ArchiveItem" />
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation" />
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture" />
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion" />
</wsdl:message>

```

The **ArchiveItemSoapIn** WSDL message is the input message for the **SOAP action** <http://schemas.microsoft.com/exchange/services/2006/messages/ArchiveItem>.

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

Part name	Element/type	Description
request	m:ArchiveItem (section 3.1.4.1.2.1)	Specifies the SOAP body of the request to archive an item.
Impersonation	t:ExchangeImpersonation ([MS-OXWSCDATA] section 2.2.5.3)	Specifies a SOAP header that identifies the user whom the client is impersonating.
MailboxCulture	t:MailboxCulture ([MS-OXWSCDATA] section 2.2.4.39)	Specifies a SOAP header that identifies the culture to use when accessing the mailbox. The cultures are defined in [RFC3066] .
RequestVersion	t:RequestServerVersion ([MS-OXWSCDATA] section 2.2.5.9)	Specifies a SOAP header that identifies the schema version for the ArchiveItem operation request.

3.1.4.1.1.2 ArchiveItemSoapOut

The **ArchiveItemSoapOut** WSDL message specifies the response to the **ArchiveItem** operation request.

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

```
<wsdl:message name="ArchiveItemSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="ArchiveItemResult" element="m:ArchiveItemResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **ArchiveItemSoapOut** WSDL message is the output message for the SOAP action <http://schemas.microsoft.com/exchange/services/2006/messages/ArchiveItem>.

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

Part name	Element/type	Description
ArchiveItemResult	m:ArchiveItemResponse (section 3.1.4.1.2.2)	Specifies the SOAP body of the response to an ArchiveItem operation request.
ServerVersion	t:ServerVersionInfo ([MS-OXWSCDATA] section 2.2.5.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **ArchiveItem** operation request returns an **ArchiveItemResponse** element, as specified in section [3.1.4.1.3.2](#), with the **ResponseClass** attribute of the **ArchiveItemResponseMessage** element set to "Success". The **ResponseCode** element of the **ArchiveItemResponseMessage** element is set to "NoError". The **ArchiveItemResponseMessage** element is a child element of the **ArrayOfResponseMessagesType** complex type, as specified in [\[MS-OXWSCDATA\]](#) section 2.2.4.10.

If the **ArchiveItem** operation request is not successful, it returns an **ArchiveItemResponse** element with the **ResponseClass** attribute of the **ArchiveItemResponseMessage** element set to

"Error". The **ResponseCode** element of the **ArchiveItemResponseMessage** element is set to one of the common errors defined in [\[MS-OXWSCDATA\]](#) section 2.2.3.23.

3.1.4.1.2 Elements

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

Element	Description
ArchiveItem	The input data for the ArchiveItem WSDL operation .
ArchiveItemResponse	The result data for the ArchiveItem WSDL operation .

3.1.4.1.2.1 ArchiveItem

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

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

3.1.4.1.2.2 ArchiveItemResponse

The **ArchiveItemResponse** element specifies the result data for the **ArchiveItem WSDL operation**.

```
<xs:element name="ArchiveItemResponse" type="m:ArchiveItemResponseType"
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
ArchiveItemType	Specifies a request to move items from the primary mailbox to an archive folder.
ArchiveItemResponseType	Specifies the response to the ArchiveItem operation (section 3.1.4.1).

3.1.4.1.3.1 ArchiveItemType

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

The **ArchiveItemType** complex type specifies a request to move items from the primary mailbox to an archive folder. This type extends the **BaseRequestType** complex type, as described in [\[MS-OXWSCDATA\]](#) section 2.2.4.15.

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

```

    <xs:element name="ArchiveSourceFolderId" type="t:TargetFolderIdType"/>
    <xs:element name="ItemIds" type="t:NonEmptyArrayOfBaseItemIdsType"/>
  </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

ArchiveSourceFolderId: An element of type **TargetFolderIdType**, as defined in [\[MS-OXWSFOLD\]](#) section 2.2.4.14, that specifies the identifier of the source folder.

ItemIds: An element of type **NonEmptyArrayOfBaseItemIdsType**, as defined in [\[MS-OXWSCORE\]](#) section 2.2.4.11, that specifies the item identifiers.

3.1.4.1.3.2 ArchiveItemResponseType

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

The **ArchiveItemResponseType** complex type specifies the response for an **ArchiveItem** operation. This type extends the **BaseResponseMessageType** complex type, as described in [\[MS-OXWSCDATA\]](#) section 2.2.4.16.

```

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

```

3.1.4.1.4 Simple Types

None.

3.1.4.1.5 Attributes

None.

3.1.4.1.6 Groups

None.

3.1.4.1.7 Attribute Groups

None.

3.1.4.2 CreateFolderPath

The **CreateFolderPath** operation creates a Uniform Resource Identifier (URI) that points to the storage location for the archive mailbox.

```

<wsdl:operation name="CreateFolderPath" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="m:CreateFolderPathSoapIn"/>
  <wsdl:output message="m:CreateFolderPathSoapOut"/>
</wsdl:operation>

```

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

```
<wsdl:operation name="CreateFolderPath" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <soap:operation
    soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/CreateFolderPath"
    xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/">
    <wsdl:input>
      <soap:header message="m:CreateFolderPathSoapIn" part="Impersonation" use="literal"
        xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/">
      <soap:header message="m:CreateFolderPathSoapIn" part="MailboxCulture" use="literal"
        xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/">
      <soap:header message="m:CreateFolderPathSoapIn" part="RequestVersion" use="literal"
        xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/">
      <soap:header message="m:CreateFolderPathSoapIn" part="TimeZoneContext" 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="CreateFolderPathResult"
        xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/">
      <soap:header message="m:CreateFolderPathSoapOut" part="ServerVersion" use="literal"
        xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/">
    </wsdl:output>
  </wsdl:operation>
```

The protocol client sends a **CreateFolderPathSoapIn** request WSDL message, as specified in section [3.1.4.2.1.1](#), and the protocol server responds with a **CreateFolderPathSoapOut** response message, as specified in section [3.1.4.2.1.2](#).

3.1.4.2.1 Messages

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

Message	Description
CreateFolderPathSoapIn	Specifies the request to create a folder path.
CreateFolderPathSoapOut	Specifies the response to the CreateFolderPathSoapIn request.

3.1.4.2.1.1 CreateFolderPathSoapIn

The **CreateFolderPathSoapIn** WSDL message specifies the request to create a folder path.

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

```
<wsdl:message name="CreateFolderPathSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:CreateFolderPath"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
  <wsdl:part name="TimeZoneContext" element="t:TimeZoneContext"/>
</wsdl:message>
```


The **CreateFolderPathSoapIn** WSDL message is the input message for the SOAP action <http://schemas.microsoft.com/exchange/services/2006/messages/CreateFolderPath>.

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

Part name	Element/type	Description
request	m:CreateFolderPath (section 3.1.4.2.2.1)	Specifies the SOAP body of the request to create a folder path.
Impersonation	t:ExchangeImpersonation ([MS-OXWSCDATA] section 2.2.5.3)	Specifies a SOAP header that identifies the user whom the client is impersonating.
MailboxCulture	t:MailboxCulture ([MS-OXWSCDATA] section 2.2.4.39)	Specifies a SOAP header that identifies the culture to use to access the mailbox. The cultures are defined in [RFC3066] .
RequestVersion	t:RequestServerVersion ([MS-OXWSCDATA] section 2.2.5.9)	Specifies a SOAP header that identifies the schema version for the CreateFolderPath operation request.
TimeZoneContext	t:TimeZoneContext ([MS-OXWSGTZ] section 2.2.3.4)	Specifies a SOAP header that identifies the time zone to use for all responses from the server. All times that are returned from the server will be converted to the specified time zone.

3.1.4.2.1.2 CreateFolderPathSoapOut

The **CreateFolderSoapOut** WSDL message specifies the response to the **CreateFolderPathSoapIn** request.

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

```
<wsdl:message name="CreateFolderPathSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="CreateFolderPathResult" element="m:CreateFolderPathResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **CreateFolderPathSoapOut** WSDL message is the output message for the SOAP action <http://schemas.microsoft.com/exchange/services/2006/messages/CreateFolderPath>.

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

Part name	Element/type	Description
CreateFolderPathResult	m:CreateFolderPathResponse (section 3.1.4.2.2.2)	Represents the result of this operation.
ServerVersion	t:ServerVersionInfo ([MS-OXWSCDATA] section 2.2.5.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **CreateFolderPath** operation request returns a **CreateFolderPathResponse** element with the **ResponseClass** attribute of the **CreateFolderPathResponseMessage** element set to

"Success". The **ResponseCode** element of the **CreateFolderPathResponseMessage** element is set to "NoError". The **CreateFolderPathResponseMessage** element is a child element of the **ResponseMessageType** complex type, as specified in [\[MS-OXWSCDATA\]](#) section 2.2.4.57.

If the **CreateFolderPath** operation request is not successful, it returns a **CreateFolderPathResponse** element with the **ResponseClass** attribute of the **CreateFolderPathResponseMessage** element set to "Error". The **ResponseCode** element of the **CreateFolderPathResponseMessage** element is set to one of the common errors defined in [\[MS-OXWSCDATA\]](#) section 2.2.3.23.

3.1.4.2.2 Elements

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

Element	Description
CreateFolderPath	The input data for the CreateFolderPath WSDL operation.
CreateFolderPathResponse	The result data for the CreateFolderPath WSDL operation.

3.1.4.2.2.1 CreateFolderPath

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

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

3.1.4.2.2.2 CreateFolderPathResponse

The **CreateFolderPathResponse** element specifies the result data for the **CreateFolderPath** WSDL operation.

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

3.1.4.2.3 Complex Types

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

Complex type	Description
CreateFolderPathType	Specifies a request to create a folder path.
CreateFolderPathResponseType	Specifies the response for the CreateFolderPath operation (section 3.1.4.2).

3.1.4.2.3.1 CreateFolderPathType

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

The **CreateFolderPathType** complex type specifies a request to create a folder path. This type extends the **BaseRequestType** complex type, as described in [\[MS-OXWSCDATA\]](#) section 2.2.4.15.

```
<xs:complexType name="CreateFolderPathType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="ParentFolderId" type="t:TargetFolderIdType"/>
        <xs:element name="RelativeFolderPath" type="t:NonEmptyArrayOfFoldersType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

ParentFolderId: An element of type **TargetFolderIdType**, as defined in [\[MS-OXWSFOLD\]](#) section 2.2.4.14, that specifies the parent folder identifier.

RelativeFolderPath: An element of type **NonEmptyArrayOfFoldersType**, as defined in [\[MS-OXWSFOLD\]](#) section 3.1.4.2.3.3, that specifies the relative folder path.

3.1.4.2.3.2 CreateFolderPathResponseType

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

The **CreateFolderPathResponseType** complex type specifies the response for the **CreateFolderPath** operation. This type extends the **BaseResponseMessageType** complex type, as described in [\[MS-OXWSCDATA\]](#) section 2.2.4.16.

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

3.1.4.2.4 Simple Types

None.

3.1.4.2.5 Attributes

None.

3.1.4.2.6 Groups

None.

3.1.4.2.7 Attribute Groups

None.

3.1.5 Timer Events

None.

3.1.6 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: Full WSDL

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

```
<?xml version="1.0"?>
<wsdl:definitions xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages"
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-OXWSARCH-messages.xsd"/>
    </xs:schema>
  </wsdl:types>
  <wsdl:message name="ArchiveItemSoapIn">
    <wsdl:part name="request" element="m:ArchiveItem"/>
    <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
    <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
    <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
  </wsdl:message>
  <wsdl:message name="ArchiveItemSoapOut">
    <wsdl:part name="ArchiveItemResult" element="m:ArchiveItemResponse"/>
    <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
  </wsdl:message>
  <wsdl:message name="CreateFolderPathSoapIn">
    <wsdl:part name="request" element="m:CreateFolderPath"/>
    <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
    <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
    <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
    <wsdl:part name="TimeZoneContext" element="t:TimeZoneContext"/>
  </wsdl:message>
  <wsdl:message name="CreateFolderPathSoapOut">
    <wsdl:part name="CreateFolderPathResult" element="m:CreateFolderPathResponse"/>
    <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
  </wsdl:message>
  <wsdl:portType name="ExchangeServicePortType">
    <wsdl:operation name="ArchiveItem">
      <wsdl:input message="m:ArchiveItemSoapIn"/>
      <wsdl:output message="m:ArchiveItemSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="CreateFolderPath">
      <wsdl:input message="m:CreateFolderPathSoapIn"/>
      <wsdl:output message="m:CreateFolderPathSoapOut"/>
    </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="ArchiveItem">
      <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/ArchiveItem"/>
      <wsdl:input>
        <soap:header message="m:ArchiveItemSoapIn" part="Impersonation" use="literal"/>
      </wsdl:input>
    </wsdl:operation>
  </wsdl:binding>

```

```

        <soap:header message="m:ArchiveItemSoapIn" part="MailboxCulture" use="literal"/>
        <soap:header message="m:ArchiveItemSoapIn" part="RequestVersion" use="literal"/>
        <soap:body use="literal" parts="request"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" parts="ArchiveItemResult"/>
        <soap:header message="m:ArchiveItemSoapOut" part="ServerVersion" use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="CreateFolderPath">
    <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/CreateFolderPath"/>
    <wsdl:input>
        <soap:header message="m:CreateFolderPathSoapIn" part="Impersonation" use="literal"/>
        <soap:header message="m:CreateFolderPathSoapIn" part="MailboxCulture" use="literal"/>
        <soap:header message="m:CreateFolderPathSoapIn" part="RequestVersion" use="literal"/>
        <soap:header message="m:CreateFolderPathSoapIn" part="TimeZoneContext"
use="literal"/>
        <soap:body use="literal" parts="request"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" parts="CreateFolderPathResult"/>
        <soap:header message="m:CreateFolderPathSoapOut" part="ServerVersion" use="literal"/>
    </wsdl:output>
</wsdl:operation>
</wsdl:binding>
</wsdl:definitions>

```


7 Appendix B: Full XML Schema

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

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

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

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

```
<?xml version="1.0"?>
<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:include schemaLocation="MS-OXWSCDATA-messages.xsd"/>
  <xs:import schemaLocation="MS-OXWSFOLD-types.xsd"
namespace="http://schemas.microsoft.com/exchange/services/2006/types"/>
  <xs:complexType name="ArchiveItemType">
    <xs:complexContent mixed="false">
      <xs:extension base="m:BaseRequestType">
        <xs:sequence>
          <xs:element name="ArchiveSourceFolderId" type="t:TargetFolderIdType"/>
          <xs:element name="ItemIds" type="t:NonEmptyArrayOfBaseItemIdsType"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="ArchiveItem" type="m:ArchiveItemType"/>
  <xs:complexType name="ArchiveItemResponseType">
    <xs:complexContent mixed="false">
      <xs:extension base="m:BaseResponseMessageType"/>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="ArchiveItemResponse" type="m:ArchiveItemResponseType"/>
  <xs:complexType name="CreateFolderPathType">
    <xs:complexContent mixed="false">
      <xs:extension base="m:BaseRequestType">
        <xs:sequence>
          <xs:element name="ParentFolderId" type="t:TargetFolderIdType"/>
          <xs:element name="RelativeFolderPath" type="t:NonEmptyArrayOfFoldersType"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="CreateFolderPath" type="m:CreateFolderPathType"/>
  <xs:complexType name="CreateFolderPathResponseType">
    <xs:complexContent mixed="false">
      <xs:extension base="m:BaseResponseMessageType"/>
    </xs:complexContent>
  </xs:complexType>
```

```
</xs:complexContent>  
</xs:complexType>  
<xs:element name="CreateFolderPathResponse" type="m:CreateFolderPathResponseType"/>  
</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
- Microsoft® Outlook® 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

This section identifies changes that were made to the [MS-OXWSARCH] protocol document between the July 2012 and October 2012 releases. 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.
- An extensive rewrite, addition, or deletion of major portions of content.
- The removal of a document from the documentation set.
- Changes made for template compliance.

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 language and 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 or language changes were introduced. The technical content of the document is identical to the last released version, but minor editorial and formatting changes, as well as updates to the header and footer information, and to the revision summary, may have been made.

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.
- New content added for template compliance.
- Content updated for template compliance.
- Content removed for template compliance.
- 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 protocol@microsoft.com.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
1.1 Glossary	Added "Uniform Resource Identifier (URI)" and "Uniform Resource Locator (URL)" to the list of terms that are defined in [MS-OXGLOS].	N	Content updated.
1.2.1 Normative References	Added the reference [WSIBASIC].	Y	Content updated.
1.2.2 Informative References	Added the reference [MS-OXPROTO].	N	Content updated.
1.4 Relationship to Other Protocols	Added informative reference information for overview of relationships between this and other protocols.	N	Content updated.
1.5 Prerequisites/Preconditions	Added link to the Glossary section for the acronym "URI".	N	Content updated.
1.7 Versioning and Capability Negotiation	Added localization information.	Y	New content added.
2.2.1 Namespaces	Added the normative reference information for wsi.	Y	Content updated.
3.1.4 Message Processing Events and Sequencing Rules	Added link to the Glossary section for the phrase "Uniform Resource Identifier (URI)".	N	Content updated.
6	Changed the version identifier from	N	Content

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
Appendix A: Full WSDL	Exchange2012 to Exchange2013.		updated.
Z Appendix B: Full XML Schema	Changed the version identifier from Exchange2012 to Exchange2013.	N	Content updated.

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