**[MS-OXWSCOS]:**

**Unified Contact Store Web Service Protocol**

Intellectual Property Rights Notice for Open Specifications Documentation

* **Technical Documentation.** Microsoft publishes Open Specifications documentation (“this documentation”) for protocols, file formats, data portability, computer languages, and standards support. Additionally, overview documents cover inter-protocol relationships and interactions.
* **Copyrights**. This documentation is covered by Microsoft copyrights. Regardless of any other terms that are contained in the terms of use for the Microsoft website that hosts this documentation, you can make copies of it in order to develop implementations of the technologies that are described in this documentation and can distribute portions of it in your implementations that use these technologies or in your documentation as necessary to properly document the implementation. You can also distribute in your implementation, with or without modification, any schemas, IDLs, or code samples that are included in the documentation. This permission also applies to any documents that are referenced in the Open Specifications documentation.
* **No Trade Secrets**. Microsoft does not claim any trade secret rights in this documentation.
* **Patents**. Microsoft has patents that might cover your implementations of the technologies described in the Open Specifications documentation. Neither this notice nor Microsoft's delivery of this documentation grants any licenses under those patents or any other Microsoft patents. However, a given Open Specifications document might be covered by the Microsoft [Open Specifications Promise](https://go.microsoft.com/fwlink/?LinkId=214445) or the [Microsoft Community Promise](https://go.microsoft.com/fwlink/?LinkId=214448). If you would prefer a written license, or if the technologies described in this documentation are not covered by the Open Specifications Promise or Community Promise, as applicable, patent licenses are available by contacting iplg@microsoft.com.
* **License Programs**. To see all of the protocols in scope under a specific license program and the associated patents, visit the [Patent Map](https://aka.ms/AA9ufj8).
* **Trademarks**. The names of companies and products contained in this documentation might be covered by trademarks or similar intellectual property rights. This notice does not grant any licenses under those rights. For a list of Microsoft trademarks, visit [www.microsoft.com/trademarks](https://www.microsoft.com/trademarks).
* **Fictitious Names**. The example companies, organizations, products, domain names, email addresses, logos, people, places, and events that are depicted in this documentation are fictitious. No association with any real company, organization, product, domain name, email address, logo, person, place, or event is intended or should be inferred.

**Reservation of Rights**. All other rights are reserved, and this notice does not grant any rights other than as specifically described above, whether by implication, estoppel, or otherwise.

**Tools**. The Open Specifications documentation does not require the use of Microsoft programming tools or programming environments in order for you to develop an implementation. If you have access to Microsoft programming tools and environments, you are free to take advantage of them. Certain Open Specifications documents are intended for use in conjunction with publicly available standards specifications and network programming art and, as such, assume that the reader either is familiar with the aforementioned material or has immediate access to it.

**Support.** For questions and support, please contact dochelp@microsoft.com.

**Revision Summary**

| Date | Revision History | Revision Class | Comments |
| --- | --- | --- | --- |
| 7/16/2012 | 0.1 | New | Released new document. |
| 10/8/2012 | 1.0 | Major | Significantly changed the technical content. |
| 2/11/2013 | 2.0 | Major | Significantly changed the technical content. |
| 7/26/2013 | 2.0 | None | No changes to the meaning, language, or formatting of the technical content. |
| 11/18/2013 | 2.0 | None | No changes to the meaning, language, or formatting of the technical content. |
| 2/10/2014 | 2.0 | None | No changes to the meaning, language, or formatting of the technical content. |
| 4/30/2014 | 3.0 | Major | Significantly changed the technical content. |
| 7/31/2014 | 3.1 | Minor | Clarified the meaning of the technical content. |
| 10/30/2014 | 3.2 | Minor | Clarified the meaning of the technical content. |
| 5/26/2015 | 3.2 | None | No changes to the meaning, language, or formatting of the technical content. |
| 9/14/2015 | 3.2 | None | No changes to the meaning, language, or formatting of the technical content. |
| 6/13/2016 | 3.2 | None | No changes to the meaning, language, or formatting of the technical content. |
| 9/14/2016 | 3.2 | None | No changes to the meaning, language, or formatting of the technical content. |
| 7/24/2018 | 4.0 | Major | Significantly changed the technical content. |
| 10/1/2018 | 5.0 | Major | Significantly changed the technical content. |
| 8/17/2021 | 6.0 | Major | Significantly changed the technical content. |
| 2/15/2022 | 6.0 | None | No changes to the meaning, language, or formatting of the technical content. |
| 5/17/2022 | 6.1 | Minor | Clarified the meaning of the technical content. |

Table of Contents

[1 Introduction 8](#_Toc103143339)

[1.1 Glossary 8](#_Toc103143340)

[1.2 References 9](#_Toc103143341)

[1.2.1 Normative References 10](#_Toc103143342)

[1.2.2 Informative References 11](#_Toc103143343)

[1.3 Overview 11](#_Toc103143344)

[1.4 Relationship to Other Protocols 11](#_Toc103143345)

[1.5 Prerequisites/Preconditions 12](#_Toc103143346)

[1.6 Applicability Statement 12](#_Toc103143347)

[1.7 Versioning and Capability Negotiation 12](#_Toc103143348)

[1.8 Vendor-Extensible Fields 12](#_Toc103143349)

[1.9 Standards Assignments 12](#_Toc103143350)

[2 Messages 13](#_Toc103143351)

[2.1 Transport 13](#_Toc103143352)

[2.2 Common Message Syntax 13](#_Toc103143353)

[2.2.1 Namespaces 13](#_Toc103143354)

[2.2.2 Messages 13](#_Toc103143355)

[2.2.3 Elements 13](#_Toc103143356)

[2.2.4 Complex Types 14](#_Toc103143357)

[2.2.4.1 ArrayOfImGroupType 14](#_Toc103143358)

[2.2.4.2 ImGroupType 14](#_Toc103143359)

[2.2.4.3 ImItemListType 15](#_Toc103143360)

[2.2.4.4 NonEmptyArrayOfExtendedFieldURIs 15](#_Toc103143361)

[2.2.5 Simple Types 16](#_Toc103143362)

[2.2.6 Attributes 16](#_Toc103143363)

[2.2.7 Groups 16](#_Toc103143364)

[2.2.8 Attribute Groups 16](#_Toc103143365)

[3 Protocol Details 17](#_Toc103143366)

[3.1 ExchangeServicePortType Server Details 17](#_Toc103143367)

[3.1.1 Abstract Data Model 17](#_Toc103143368)

[3.1.2 Timers 17](#_Toc103143369)

[3.1.3 Initialization 17](#_Toc103143370)

[3.1.4 Message Processing Events and Sequencing Rules 17](#_Toc103143371)

[3.1.4.1 AddDistributionGroupToImList 18](#_Toc103143372)

[3.1.4.1.1 Messages 19](#_Toc103143373)

[3.1.4.1.1.1 AddDistributionGroupToImListSoapIn 19](#_Toc103143374)

[3.1.4.1.1.2 AddDistributionGroupToImListSoapOut 20](#_Toc103143375)

[3.1.4.1.2 Elements 21](#_Toc103143376)

[3.1.4.1.2.1 AddDistributionGroupToImList 21](#_Toc103143377)

[3.1.4.1.2.2 AddDistributionGroupToImListResponse 21](#_Toc103143378)

[3.1.4.1.3 Complex Types 21](#_Toc103143379)

[3.1.4.1.3.1 AddDistributionGroupToImListType 21](#_Toc103143380)

[3.1.4.1.3.2 AddDistributionGroupToImListResponseMessageType 22](#_Toc103143381)

[3.1.4.1.4 Simple Types 22](#_Toc103143382)

[3.1.4.1.5 Attributes 22](#_Toc103143383)

[3.1.4.1.6 Groups 22](#_Toc103143384)

[3.1.4.1.7 Attribute Groups 22](#_Toc103143385)

[3.1.4.2 AddImContactToGroup 23](#_Toc103143386)

[3.1.4.2.1 Messages 23](#_Toc103143387)

[3.1.4.2.1.1 AddImContactToGroupSoapIn 23](#_Toc103143388)

[3.1.4.2.1.2 AddImContactToGroupSoapOut 24](#_Toc103143389)

[3.1.4.2.2 Elements 25](#_Toc103143390)

[3.1.4.2.2.1 AddImContactToGroup 25](#_Toc103143391)

[3.1.4.2.2.2 AddImContactToGroupResponse 25](#_Toc103143392)

[3.1.4.2.3 Complex Types 25](#_Toc103143393)

[3.1.4.2.3.1 AddImContactToGroupType 26](#_Toc103143394)

[3.1.4.2.3.2 AddImContactToGroupResponseMessageType 26](#_Toc103143395)

[3.1.4.2.4 Simple Types 26](#_Toc103143396)

[3.1.4.2.5 Attributes 26](#_Toc103143397)

[3.1.4.2.6 Groups 27](#_Toc103143398)

[3.1.4.2.7 Attribute Groups 27](#_Toc103143399)

[3.1.4.3 AddImGroup 27](#_Toc103143400)

[3.1.4.3.1 Messages 27](#_Toc103143401)

[3.1.4.3.1.1 AddImGroupSoapIn 28](#_Toc103143402)

[3.1.4.3.1.2 AddImGroupSoapOut 28](#_Toc103143403)

[3.1.4.3.2 Elements 29](#_Toc103143404)

[3.1.4.3.2.1 AddImGroup 29](#_Toc103143405)

[3.1.4.3.2.2 AddImGroupResponse 29](#_Toc103143406)

[3.1.4.3.3 Complex Types 29](#_Toc103143407)

[3.1.4.3.3.1 AddImGroupType 30](#_Toc103143408)

[3.1.4.3.3.2 AddImGroupResponseMessageType 30](#_Toc103143409)

[3.1.4.3.4 Simple Types 30](#_Toc103143410)

[3.1.4.3.5 Attributes 31](#_Toc103143411)

[3.1.4.3.6 Groups 31](#_Toc103143412)

[3.1.4.3.7 Attribute Groups 31](#_Toc103143413)

[3.1.4.4 AddNewImContactToGroup 31](#_Toc103143414)

[3.1.4.4.1 Messages 31](#_Toc103143415)

[3.1.4.4.1.1 AddNewImContactToGroupSoapIn 32](#_Toc103143416)

[3.1.4.4.1.2 AddNewImContactToGroupSoapOut 32](#_Toc103143417)

[3.1.4.4.2 Elements 33](#_Toc103143418)

[3.1.4.4.2.1 AddNewImContactToGroup 33](#_Toc103143419)

[3.1.4.4.2.2 AddNewImContactToGroupResponse 34](#_Toc103143420)

[3.1.4.4.3 Complex Types 34](#_Toc103143421)

[3.1.4.4.3.1 AddNewImContactToGroupType 34](#_Toc103143422)

[3.1.4.4.3.2 AddNewImContactToGroupResponseMessageType 35](#_Toc103143423)

[3.1.4.4.4 Simple Types 35](#_Toc103143424)

[3.1.4.4.5 Attributes 35](#_Toc103143425)

[3.1.4.4.6 Groups 35](#_Toc103143426)

[3.1.4.4.7 Attribute Groups 35](#_Toc103143427)

[3.1.4.5 AddNewTelUriContactToGroup 35](#_Toc103143428)

[3.1.4.5.1 Messages 36](#_Toc103143429)

[3.1.4.5.1.1 AddNewTelUriContactToGroupSoapIn 36](#_Toc103143430)

[3.1.4.5.1.2 AddNewTelUriContactToGroupSoapOut 37](#_Toc103143431)

[3.1.4.5.2 Elements 38](#_Toc103143432)

[3.1.4.5.2.1 AddNewTelUriContactToGroup 38](#_Toc103143433)

[3.1.4.5.2.2 AddNewTelUriContactToGroupResponse 38](#_Toc103143434)

[3.1.4.5.3 Complex Types 38](#_Toc103143435)

[3.1.4.5.3.1 AddNewTelUriContactToGroupType 39](#_Toc103143436)

[3.1.4.5.3.2 AddNewTelUriContactToGroupResponseMessageType 39](#_Toc103143437)

[3.1.4.5.4 Simple Types 40](#_Toc103143438)

[3.1.4.5.5 Attributes 40](#_Toc103143439)

[3.1.4.5.6 Groups 40](#_Toc103143440)

[3.1.4.5.7 Attribute Groups 40](#_Toc103143441)

[3.1.4.6 GetImItemList 40](#_Toc103143442)

[3.1.4.6.1 Messages 41](#_Toc103143443)

[3.1.4.6.1.1 GetImItemListSoapIn 41](#_Toc103143444)

[3.1.4.6.1.2 GetImItemListSoapOut 42](#_Toc103143445)

[3.1.4.6.2 Elements 42](#_Toc103143446)

[3.1.4.6.2.1 GetImItemList 42](#_Toc103143447)

[3.1.4.6.2.2 GetImItemListResponse 43](#_Toc103143448)

[3.1.4.6.3 Complex Types 43](#_Toc103143449)

[3.1.4.6.3.1 GetImItemListType 43](#_Toc103143450)

[3.1.4.6.3.2 GetImItemListResponseMessageType 43](#_Toc103143451)

[3.1.4.6.4 Simple Types 44](#_Toc103143452)

[3.1.4.6.5 Attributes 44](#_Toc103143453)

[3.1.4.6.6 Groups 44](#_Toc103143454)

[3.1.4.6.7 Attribute Groups 44](#_Toc103143455)

[3.1.4.7 GetImItems 44](#_Toc103143456)

[3.1.4.7.1 Messages 45](#_Toc103143457)

[3.1.4.7.1.1 GetImItemsSoapIn 45](#_Toc103143458)

[3.1.4.7.1.2 GetImItemsSoapOut 46](#_Toc103143459)

[3.1.4.7.2 Elements 46](#_Toc103143460)

[3.1.4.7.2.1 GetImItems 46](#_Toc103143461)

[3.1.4.7.2.2 GetImItemsResponse 47](#_Toc103143462)

[3.1.4.7.3 Complex Types 47](#_Toc103143463)

[3.1.4.7.3.1 GetImItemsType 47](#_Toc103143464)

[3.1.4.7.3.2 GetImItemsResponseMessageType 47](#_Toc103143465)

[3.1.4.7.4 Simple Types 48](#_Toc103143466)

[3.1.4.7.5 Attributes 48](#_Toc103143467)

[3.1.4.7.6 Groups 48](#_Toc103143468)

[3.1.4.7.7 Attribute Groups 48](#_Toc103143469)

[3.1.4.8 RemoveContactFromImList 48](#_Toc103143470)

[3.1.4.8.1 Messages 49](#_Toc103143471)

[3.1.4.8.1.1 RemoveContactFromImListSoapIn 49](#_Toc103143472)

[3.1.4.8.1.2 RemoveContactFromImListSoapOut 50](#_Toc103143473)

[3.1.4.8.2 Elements 50](#_Toc103143474)

[3.1.4.8.2.1 RemoveContactFromImList 51](#_Toc103143475)

[3.1.4.8.2.2 RemoveContactFromImListResponse 51](#_Toc103143476)

[3.1.4.8.3 Complex Types 51](#_Toc103143477)

[3.1.4.8.3.1 RemoveContactFromImListType 51](#_Toc103143478)

[3.1.4.8.3.2 RemoveContactFromImListResponseMessageType 52](#_Toc103143479)

[3.1.4.8.4 Simple Types 52](#_Toc103143480)

[3.1.4.8.5 Attributes 52](#_Toc103143481)

[3.1.4.8.6 Groups 52](#_Toc103143482)

[3.1.4.8.7 Attribute Groups 52](#_Toc103143483)

[3.1.4.9 RemoveDistributionGroupFromImList 52](#_Toc103143484)

[3.1.4.9.1 Messages 53](#_Toc103143485)

[3.1.4.9.1.1 RemoveDistributionGroupFromImListSoapIn 53](#_Toc103143486)

[3.1.4.9.1.2 RemoveDistributionGroupFromImListSoapOut 54](#_Toc103143487)

[3.1.4.9.2 Elements 55](#_Toc103143488)

[3.1.4.9.2.1 RemoveDistributionGroupFromImList 55](#_Toc103143489)

[3.1.4.9.2.2 RemoveDistributionGroupFromImListResponse 55](#_Toc103143490)

[3.1.4.9.3 Complex Types 56](#_Toc103143491)

[3.1.4.9.3.1 RemoveDistributionGroupFromImListType 56](#_Toc103143492)

[3.1.4.9.3.2 RemoveDistributionGroupFromImListResponseMessageType 56](#_Toc103143493)

[3.1.4.9.4 Simple Types 57](#_Toc103143494)

[3.1.4.9.5 Attributes 57](#_Toc103143495)

[3.1.4.9.6 Groups 57](#_Toc103143496)

[3.1.4.9.7 Attribute Groups 57](#_Toc103143497)

[3.1.4.10 RemoveImContactFromGroup 57](#_Toc103143498)

[3.1.4.10.1 Messages 58](#_Toc103143499)

[3.1.4.10.1.1 RemoveImContactFromGroupSoapIn 58](#_Toc103143500)

[3.1.4.10.1.2 RemoveImContactFromGroupSoapOut 58](#_Toc103143501)

[3.1.4.10.2 Elements 59](#_Toc103143502)

[3.1.4.10.2.1 RemoveImContactFromGroup 60](#_Toc103143503)

[3.1.4.10.2.2 RemoveImContactFromGroupResponse 60](#_Toc103143504)

[3.1.4.10.3 Complex Types 60](#_Toc103143505)

[3.1.4.10.3.1 RemoveImContactFromGroupType 60](#_Toc103143506)

[3.1.4.10.3.2 RemoveImContactFromGroupResponseMessageType 61](#_Toc103143507)

[3.1.4.10.4 Simple Types 61](#_Toc103143508)

[3.1.4.10.5 Attributes 61](#_Toc103143509)

[3.1.4.10.6 Groups 61](#_Toc103143510)

[3.1.4.10.7 Attribute Groups 61](#_Toc103143511)

[3.1.4.11 RemoveImGroup 61](#_Toc103143512)

[3.1.4.11.1 Messages 62](#_Toc103143513)

[3.1.4.11.1.1 RemoveImGroupSoapIn 62](#_Toc103143514)

[3.1.4.11.1.2 RemoveImGroupSoapOut 63](#_Toc103143515)

[3.1.4.11.2 Elements 63](#_Toc103143516)

[3.1.4.11.2.1 RemoveImGroup 64](#_Toc103143517)

[3.1.4.11.2.2 RemoveImGroupResponse 64](#_Toc103143518)

[3.1.4.11.3 Complex Types 64](#_Toc103143519)

[3.1.4.11.3.1 RemoveImGroupType 64](#_Toc103143520)

[3.1.4.11.3.2 RemoveImGroupResponseMessageType 65](#_Toc103143521)

[3.1.4.11.4 Simple Types 65](#_Toc103143522)

[3.1.4.11.5 Attributes 65](#_Toc103143523)

[3.1.4.11.6 Groups 65](#_Toc103143524)

[3.1.4.11.7 Attribute Groups 65](#_Toc103143525)

[3.1.4.12 SetImGroup 65](#_Toc103143526)

[3.1.4.12.1 Messages 66](#_Toc103143527)

[3.1.4.12.1.1 SetImGroupSoapIn 66](#_Toc103143528)

[3.1.4.12.1.2 SetImGroupSoapOut 67](#_Toc103143529)

[3.1.4.12.2 Elements 67](#_Toc103143530)

[3.1.4.12.2.1 SetImGroup 68](#_Toc103143531)

[3.1.4.12.2.2 SetImGroupResponse 68](#_Toc103143532)

[3.1.4.12.3 Complex Types 68](#_Toc103143533)

[3.1.4.12.3.1 SetImGroupType 68](#_Toc103143534)

[3.1.4.12.3.2 SetImGroupResponseMessageType 69](#_Toc103143535)

[3.1.4.12.4 Simple Types 69](#_Toc103143536)

[3.1.4.12.5 Attributes 69](#_Toc103143537)

[3.1.4.12.6 Groups 69](#_Toc103143538)

[3.1.4.12.7 Attribute Groups 69](#_Toc103143539)

[3.1.4.13 SetImListMigrationCompleted 69](#_Toc103143540)

[3.1.4.13.1 Messages 70](#_Toc103143541)

[3.1.4.13.1.1 SetImListMigrationCompletedSoapIn 70](#_Toc103143542)

[3.1.4.13.1.2 SetImListMigrationCompletedSoapOut 71](#_Toc103143543)

[3.1.4.13.2 Elements 72](#_Toc103143544)

[3.1.4.13.2.1 SetImListMigrationCompleted 72](#_Toc103143545)

[3.1.4.13.2.2 SetImListMigrationCompletedResponse 72](#_Toc103143546)

[3.1.4.13.3 Complex Types 72](#_Toc103143547)

[3.1.4.13.3.1 SetImListMigrationCompletedType 72](#_Toc103143548)

[3.1.4.13.3.2 SetImListMigrationCompletedResponseMessageType 73](#_Toc103143549)

[3.1.4.13.4 Simple Types 73](#_Toc103143550)

[3.1.4.13.5 Attributes 73](#_Toc103143551)

[3.1.4.13.6 Groups 73](#_Toc103143552)

[3.1.4.13.7 Attribute Groups 73](#_Toc103143553)

[3.1.5 Timer Events 73](#_Toc103143554)

[3.1.6 Other Local Events 74](#_Toc103143555)

[4 Protocol Examples 75](#_Toc103143556)

[5 Security 78](#_Toc103143557)

[5.1 Security Considerations for Implementers 78](#_Toc103143558)

[5.2 Index of Security Parameters 78](#_Toc103143559)

[6 Appendix A: Full WSDL 79](#_Toc103143560)

[7 Appendix B: Full XML Schema 86](#_Toc103143561)

[7.1 http://schemas.microsoft.com/exchange/services/2006/messages Schema 86](#_Toc103143562)

[7.2 http://schemas.microsoft.com/exchange/services/2006/types Schema 90](#_Toc103143563)

[8 Appendix C: Product Behavior 92](#_Toc103143564)

[9 Change Tracking 93](#_Toc103143565)

[10 Index 94](#_Toc103143566)

# Introduction

The Unified Contact Store Web Service Protocol enables clients to use a [**web service**](#gt_a96bfb18-c329-40f5-89fd-df7a94b89882) to create, retrieve, update, and delete [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) and groups.

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

## Glossary

This document uses the following terms:

**Active Directory object**: A set of directory objects that are used within Active Directory as defined in [[MS-ADTS]](%5BMS-ADTS%5D.pdf#Section_d243592709994c628c6d13ba31a52e1a) section 3.1.1. An [**Active Directory object**](#gt_90d448cf-8d8e-44e7-a9dc-675c4c99400f) can be identified by a dsname. See also directory object.

**contact**: (1) A presence entity (presentity) whose presence information can be tracked.

(2) A person, company, or other entity that is stored in a directory and is associated with one or more unique identifiers and attributes, such as an Internet message address or login name.

**endpoint**: A communication port that is exposed by an application server for a specific shared service and to which messages can be addressed.

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

**Hypertext Transfer Protocol Secure (HTTPS)**: An extension of HTTP that securely encrypts and decrypts web page requests. In some older protocols, "Hypertext Transfer Protocol over Secure Sockets Layer" is still used (Secure Sockets Layer has been deprecated). For more information, see [[SSL3]](https://go.microsoft.com/fwlink/?LinkId=90534) and [[RFC5246]](https://go.microsoft.com/fwlink/?LinkId=129803).

**instant messaging**: A method of real-time communication over the Internet in which a sender types a message to one or more recipients and the recipient immediately receives the message in a pop-up window.

**mailbox**: A message store that contains email, calendar items, and other Message objects for a single recipient.

**Session Initiation Protocol (SIP)**: An application-layer control (signaling) protocol for creating, modifying, and terminating sessions with one or more participants. [**SIP**](#gt_586971aa-3b65-4de3-be93-1a9756777d89) is defined in [[RFC3261]](https://go.microsoft.com/fwlink/?LinkId=90410).

**Simple Mail Transfer Protocol (SMTP)**: A member of the TCP/IP suite of protocols that is used to transport Internet messages, as described in [[RFC5321]](https://go.microsoft.com/fwlink/?LinkId=144740).

**SOAP**: A lightweight protocol for exchanging structured information in a decentralized, distributed environment. [**SOAP**](#gt_c1c313af-2310-4380-a6ea-c2cedc115958) uses XML technologies to define an extensible messaging framework, which provides a message construct that can be exchanged over a variety of underlying protocols. The framework has been designed to be independent of any particular programming model and other implementation-specific semantics. SOAP 1.2 supersedes SOAP 1.1. See [[SOAP1.2-1/2003]](https://go.microsoft.com/fwlink/?LinkId=90521).

**SOAP action**: The HTTP request header field used to indicate the intent of the [**SOAP**](#gt_c1c313af-2310-4380-a6ea-c2cedc115958) request, using a [**URI**](#gt_e18af8e8-01d7-4f91-8a1e-0fb21b191f95) value. See [[SOAP1.1]](https://go.microsoft.com/fwlink/?LinkId=90520) section 6.1.1 for more information.

**SOAP body**: A container for the payload data being delivered by a SOAP message to its recipient. See [[SOAP1.2-1/2007]](https://go.microsoft.com/fwlink/?LinkId=94664) section 5.3 for more information.

**SOAP header**: A mechanism for implementing extensions to a SOAP message in a decentralized manner without prior agreement between the communicating parties. See [SOAP1.2-1/2007] section 5.2 for more information.

**Uniform Resource Identifier (URI)**: A string that identifies a resource. The URI is an addressing mechanism defined in Internet Engineering Task Force (IETF) Uniform Resource Identifier (URI): Generic Syntax [[RFC3986]](https://go.microsoft.com/fwlink/?LinkId=90453).

**web server**: A server computer that hosts websites and responds to requests from applications.

**web service**: A unit of application logic that provides data and services to other applications and can be called by using standard Internet transport protocols such as [**HTTP**](#gt_d72f1494-4917-4e9e-a9fd-b8f1b2758dcd), [**Simple Mail Transfer Protocol (SMTP)**](#gt_0678be67-e739-4e33-97fe-2b03b903a379), or File Transfer Protocol (FTP). Web services can perform functions that range from simple requests to complicated business processes.

**Web Services Description Language (WSDL)**: An XML format for describing network services as a set of endpoints that operate on messages that contain either document-oriented or procedure-oriented information. The operations and messages are described abstractly and are bound to a concrete network protocol and message format in order to define an endpoint. Related concrete endpoints are combined into abstract endpoints, which describe a network service. WSDL is extensible, which allows the description of endpoints and their messages regardless of the message formats or network protocols that are used.

**WSDL message**: An abstract, typed definition of the data that is communicated during a [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) [[WSDL]](https://go.microsoft.com/fwlink/?LinkId=90577). Also, an element that describes the data being exchanged between web service providers and clients.

**WSDL operation**: A single action or function of a web service. The execution of a WSDL operation typically requires the exchange of messages between the service requestor and the service provider.

**WSDL port type**: A named set of logically-related, abstract [**Web Services Description Language (WSDL)**](#gt_5a824664-0858-4b09-b852-83baf4584efa) operations and messages.

**XML namespace**: A collection of names that is used to identify elements, types, and attributes in XML documents identified in a URI reference [RFC3986]. A combination of XML namespace and local name allows XML documents to use elements, types, and attributes that have the same names but come from different sources. For more information, see [[XMLNS-2ED]](https://go.microsoft.com/fwlink/?LinkId=90602).

**XML namespace prefix**: An abbreviated form of an [**XML namespace**](#gt_485f05b3-df3b-45ac-b8bf-d05f5d185a24), as described in [[XML]](https://go.microsoft.com/fwlink/?LinkId=90598).

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

**MAY, SHOULD, MUST, SHOULD NOT, MUST NOT:** These terms (in all caps) are used as defined in [[RFC2119]](https://go.microsoft.com/fwlink/?LinkId=90317). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

## 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](https://go.microsoft.com/fwlink/?linkid=850906).

### 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-OXDSCLI] Microsoft Corporation, "[Autodiscover Publishing and Lookup Protocol](%5BMS-OXDSCLI%5D.pdf#Section_78530279d0424eb0a1f403b18143cd19)".

[MS-OXWSADISC] Microsoft Corporation, "[Autodiscover Publishing and Lookup SOAP-Based Web Service Protocol](%5BMS-OXWSADISC%5D.pdf#Section_b239dc06c52c4259bc491ff88d22ae3c)".

[MS-OXWSBTRF] Microsoft Corporation, "[Bulk Transfer Web Service Protocol](%5BMS-OXWSBTRF%5D.pdf#Section_516f059349214f3e9c24fa642b7d0873)".

[MS-OXWSCDATA] Microsoft Corporation, "[Common Web Service Data Types](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd)".

[MS-OXWSCORE] Microsoft Corporation, "[Core Items Web Service Protocol](%5BMS-OXWSCORE%5D.pdf#Section_7a113138a0db4168a164bf8b05cc4e6d)".

[MS-OXWSPERS] Microsoft Corporation, "[Persona Web Service Protocol](%5BMS-OXWSPERS%5D.pdf#Section_58a9eadc6db44099baa4da6d7ec9392b)".

[MS-OXWSXPROP] Microsoft Corporation, "[Extended Properties Structure](%5BMS-OXWSXPROP%5D.pdf#Section_1e0ae5e6c5164ad1ad12c19fee04860a)".

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, [https://www.rfc-editor.org/rfc/rfc2119.html](https://go.microsoft.com/fwlink/?LinkId=90317)

[RFC2616] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, [https://www.rfc-editor.org/info/rfc2616](https://go.microsoft.com/fwlink/?LinkId=90372)

[RFC2818] Rescorla, E., "HTTP Over TLS", RFC 2818, May 2000, [http://www.rfc-editor.org/rfc/rfc2818.txt](https://go.microsoft.com/fwlink/?LinkId=90383)

[RFC3066] Alvestrand, H., "Tags for the Identification of Languages", BCP 47, RFC 3066, January 2001, [http://www.ietf.org/rfc/rfc3066.txt](https://go.microsoft.com/fwlink/?LinkId=90404)

[RFC3966] Schulzrinne, H., "The tel URI for Telephone Numbers", RFC 3966, December 2004, [http://www.rfc-editor.org/rfc/rfc3966.txt](https://go.microsoft.com/fwlink/?LinkId=114246)

[SOAP1.1] Box, D., Ehnebuske, D., Kakivaya, G., et al., "Simple Object Access Protocol (SOAP) 1.1", W3C Note, May 2000, [https://www.w3.org/TR/2000/NOTE-SOAP-20000508/](https://go.microsoft.com/fwlink/?LinkId=90520)

[WSDL] Christensen, E., Curbera, F., Meredith, G., and Weerawarana, S., "Web Services Description Language (WSDL) 1.1", W3C Note, March 2001, [https://www.w3.org/TR/2001/NOTE-wsdl-20010315](https://go.microsoft.com/fwlink/?LinkId=90577)

[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](https://go.microsoft.com/fwlink/?LinkId=193333)

[XMLNS] Bray, T., Hollander, D., Layman, A., et al., Eds., "Namespaces in XML 1.0 (Third Edition)", W3C Recommendation, December 2009, [https://www.w3.org/TR/2009/REC-xml-names-20091208/](https://go.microsoft.com/fwlink/?LinkId=191840)

[XMLSCHEMA1/2] Thompson, H., Beech, D., Maloney, M., and Mendelsohn, N., Eds., "XML Schema Part 1: Structures Second Edition", W3C Recommendation, October 2004, [https://www.w3.org/TR/2004/REC-xmlschema-1-20041028/](https://go.microsoft.com/fwlink/?LinkId=90607)

[XMLSCHEMA1] Thompson, H., Beech, D., Maloney, M., and Mendelsohn, N., Eds., "XML Schema Part 1: Structures", W3C Recommendation, May 2001, [https://www.w3.org/TR/2001/REC-xmlschema-1-20010502/](https://go.microsoft.com/fwlink/?LinkId=90608)

[XMLSCHEMA2/2] Biron, P., and Malhotra, A., Eds., "XML Schema Part 2: Datatypes Second Edition", W3C Recommendation, October 2004, [https://www.w3.org/TR/2004/REC-xmlschema-2-20041028/](https://go.microsoft.com/fwlink/?LinkId=90609)

[XMLSCHEMA2] Biron, P.V., Ed. and Malhotra, A., Ed., "XML Schema Part 2: Datatypes", W3C Recommendation, May 2001, [https://www.w3.org/TR/2001/REC-xmlschema-2-20010502/](https://go.microsoft.com/fwlink/?LinkId=90610)

### Informative References

[MS-OXPROTO] Microsoft Corporation, "[Exchange Server Protocols System Overview](%5BMS-OXPROTO%5D.pdf#Section_734ab967e43e425babe1974af56c0283)".

[MS-OXWSEDISC] Microsoft Corporation, "[Electronic Discovery (eDiscovery) Web Service Protocol](%5BMS-OXWSEDISC%5D.pdf#Section_93d038a91ae2490d920176a50fef4280)".

## Overview

The Unified Contact Store is a centralized storage mechanism for [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) for [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) clients. It provides two folders: ImContactList and QuickContacts. The ImContactList folder contains groups, which in turn contain contacts (2). In a typical contact list, a user-created distribution list represents the groups in the contact list. The contacts are stored in the QuickContacts folder. These contacts contain the information displayed in the contact list; for example, display name, instant messaging address, phone number, and so on.

The Unified Contact Store Web Service Protocol simplifies integration with the Unified Contact Store. This protocol provides operations for adding and removing instant messaging groups by adding and removing user-created distribution lists in the ImContactList folder. It also provides operations for adding, removing, and changing the group of a contact (2) in the instant messaging groups by adding or removing a contact in the QuickContact folder, and then modifying the membership in the user-created distribution list in the ImContactList folder. This enables instant messaging clients to store, access, and make changes to instant messaging contact lists without requiring additional calls and business logic.

## 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]](%5BMS-OXWSADISC%5D.pdf#Section_b239dc06c52c4259bc491ff88d22ae3c), or the Autodiscover Publishing and Lookup Protocol, as described in [[MS-OXDSCLI]](%5BMS-OXDSCLI%5D.pdf#Section_78530279d0424eb0a1f403b18143cd19), to identify the target [**endpoint**](#gt_b91c1e27-e8e0-499b-8c65-738006af72ee) to use for each operation.

This protocol uses [**SOAP**](#gt_c1c313af-2310-4380-a6ea-c2cedc115958), as described in [[SOAP1.1]](https://go.microsoft.com/fwlink/?LinkId=90520), to specify the structure information that is exchanged between the client and the server. This protocol uses the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067), as described in [[XMLSCHEMA1]](https://go.microsoft.com/fwlink/?LinkId=90608) and [[XMLSCHEMA2]](https://go.microsoft.com/fwlink/?LinkId=90610), to describe the message content that is sent to and from the server.

This protocol uses SOAP over [**HTTP**](#gt_d72f1494-4917-4e9e-a9fd-b8f1b2758dcd), as described in [[RFC2616]](https://go.microsoft.com/fwlink/?LinkId=90372), and SOAP over [**HTTPS**](#gt_9239bd88-9747-44a6-83a6-473f53f175a7), as described in [[RFC2818]](https://go.microsoft.com/fwlink/?LinkId=90383), as shown in the following layering diagram.



Figure 1: This protocol in relation to other protocols

The Electronic Discovery (eDiscovery) Web Service Protocol, as described in [[MS-OXWSEDISC]](%5BMS-OXWSEDISC%5D.pdf#Section_93d038a91ae2490d920176a50fef4280), uses the extended [**Uniform Resource Identifier (URI)**](#gt_e18af8e8-01d7-4f91-8a1e-0fb21b191f95) information provided by this protocol.

This protocol uses information about personas provided by the Persona Web Service Protocol, as described in [[MS-OXWSPERS]](%5BMS-OXWSPERS%5D.pdf#Section_58a9eadc6db44099baa4da6d7ec9392b).

For conceptual background information and overviews of the relationships and interactions between this and other protocols, see [[MS-OXPROTO]](%5BMS-OXPROTO%5D.pdf#Section_734ab967e43e425babe1974af56c0283).

## Prerequisites/Preconditions

The operations that this protocol defines cannot be accessed unless the correct [**endpoint**](#gt_b91c1e27-e8e0-499b-8c65-738006af72ee) is identified in the [**HTTP**](#gt_d72f1494-4917-4e9e-a9fd-b8f1b2758dcd) web requests that target this protocol. This endpoint URL is returned by either the Autodiscover Publishing Lookup SOAP-Based Web Service Protocol, as specified in [[MS-OXWSADISC]](%5BMS-OXWSADISC%5D.pdf#Section_b239dc06c52c4259bc491ff88d22ae3c), or the Autodiscover Publishing and Lookup Protocol, as specified in [[MS-OXDSCLI]](%5BMS-OXDSCLI%5D.pdf#Section_78530279d0424eb0a1f403b18143cd19).

## Applicability Statement

This protocol is applicable to environments that use [**web services**](#gt_a96bfb18-c329-40f5-89fd-df7a94b89882) to implement the Unified Contact Store. This protocol is applicable to all [**SOAP**](#gt_c1c313af-2310-4380-a6ea-c2cedc115958)-based clients, as described in [[SOAP1.1]](https://go.microsoft.com/fwlink/?LinkId=90520).

## 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](#Section_80eeaa45084147cc8c38af1afe0265b6).
* **Protocol Versions:** This protocol describes only one [**WSDL port type**](#gt_61056d88-e7ee-4cea-8dcd-80a9ef5db083) version. The **RequestServerVersion** element, as described in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.9, identifies the WSDL port type version of the request. The **ServerVersionInfo** element, as described in [MS-OXWSCDATA] section 2.2.3.10, identifies the version of the server that is responding to the request.
* **Security and Authentication Methods:** This protocol relies on the [**web server**](#gt_1e0aa890-37ae-4ea2-b78f-8b02241491e8) that is hosting it to perform authentication.
* **Localization:** This protocol uses the **MailboxCulture** element, as described in [MS-OXWSCDATA] section 2.2.3.6, to specify the culture of a [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3).
* **Capability Negotiation**: This protocol does not support version negotiation.

## Vendor-Extensible Fields

None.

## Standards Assignments

None.

# Messages

In the following sections, the schema definition might differ from the processing rules imposed by the protocol. The [**Web Services Description Language (WSDL)**](#gt_5a824664-0858-4b09-b852-83baf4584efa) 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.

## Transport

This protocol uses SOAP 1.1, as specified in [[SOAP1.1]](https://go.microsoft.com/fwlink/?LinkId=90520).

This protocol MUST support [**SOAP**](#gt_c1c313af-2310-4380-a6ea-c2cedc115958) over [**HTTP**](#gt_d72f1494-4917-4e9e-a9fd-b8f1b2758dcd), as specified in [[RFC2616]](https://go.microsoft.com/fwlink/?LinkId=90372). The protocol SHOULD use secure communications by means of [**HTTPS**](#gt_9239bd88-9747-44a6-83a6-473f53f175a7), as specified in [[RFC2818]](https://go.microsoft.com/fwlink/?LinkId=90383).

## Common Message Syntax

This section contains common definitions that are used by this protocol. The syntax of the definitions uses [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067), as specified in [[XMLSCHEMA1]](https://go.microsoft.com/fwlink/?LinkId=90608) and [[XMLSCHEMA2]](https://go.microsoft.com/fwlink/?LinkId=90610), and [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa), as specified in [[WSDL]](https://go.microsoft.com/fwlink/?LinkId=90577).

### Namespaces

This specification defines and references various [**XML namespaces**](#gt_485f05b3-df3b-45ac-b8bf-d05f5d185a24) using the mechanisms specified in [[XMLNS]](https://go.microsoft.com/fwlink/?LinkId=191840). Although this specification associates a specific [**XML namespace prefix**](#gt_b9a20be7-31d9-4dcd-9cb9-ba72302857a2) 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 |
| --- | --- | --- |
| soap | http://schemas.xmlsoap.org/wsdl/soap/ | [[SOAP1.1]](https://go.microsoft.com/fwlink/?LinkId=90520) |
| t | http://schemas.microsoft.com/exchange/services/2006/types |  |
| tns | http://schemas.microsoft.com/exchange/services/2006/messages |  |
| wsdl | http://schemas.xmlsoap.org/wsdl/ | [[WSDL]](https://go.microsoft.com/fwlink/?LinkId=90577) |
| wsi | http://ws-i.org/schemas/conformanceClaim/ | [[WSIBASIC]](https://go.microsoft.com/fwlink/?LinkId=193333) |
| xs | http://www.w3.org/2001/XMLSchema | [[XMLSCHEMA1/2]](https://go.microsoft.com/fwlink/?LinkId=90607)[[XMLSCHEMA2/2]](https://go.microsoft.com/fwlink/?LinkId=90609) |

### Messages

This specification does not define any common [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions.

### Elements

This specification does not define any common [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions.

### Complex Types

The following table summarizes the set of common [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) 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 |
| --- | --- |
| **ArrayOfImGroupType** | The **ArrayOfImGroupType** complex type specifies an array of [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) groups. |
| **ImGroupType** | The **ImGroupType** complex type specifies an instant messaging group. |
| **ImItemListType** | The **ImItemListType** complex type specifies an array of groups of **ImGroupType** complex types and an array of personas. |
| **NonEmptyArrayOfExtendedFieldURIs** | The **NonEmptyArrayOfExtendedFieldURIs** complex type specifies an array of extended [**URIs**](#gt_e18af8e8-01d7-4f91-8a1e-0fb21b191f95). |

#### ArrayOfImGroupType

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

The **ArrayOfImGroupType** complex type specifies an array of [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) groups.

1. <xs:complexType name="ArrayOfImGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:choice minOccurs="0" maxOccurs="unbounded">
3. <xs:element name="ImGroup" type="t:ImGroupType"/>
4. </xs:choice>
5. </xs:complexType>

**ImGroup:** An element of type **ImGroupType**, as defined in section [2.2.4.2](#Section_9191ee8d7f554c85bfbb3950bb41a806), that represents a single instant messaging group.

#### ImGroupType

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

The **ImGroupType** complex type specifies an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group.

1. <xs:complexType name="ImGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:sequence>
3. <xs:element name="DisplayName" type="t:NonEmptyStringType"/>
4. <xs:element name="GroupType" type="t:NonEmptyStringType"/>
5. <xs:element minOccurs="0" name="ExchangeStoreId" type="t:ItemIdType"/>
6. <xs:element minOccurs="0" name="MemberCorrelationKey" type="t:NonEmptyArrayOfItemIdsType"/>
7. <xs:element minOccurs="0" name="ExtendedProperties" type="t:NonEmptyArrayOfExtendedPropertyType"/>
8. <xs:element minOccurs="0" name="SmtpAddress" type="xs:string"/>
9. </xs:sequence>
10. </xs:complexType>

**DisplayName:** A element of type **NonEmptyStringType**, as defined in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.5.20, that represents the display name for a new instant messaging group.

**GroupType:** An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that identifies the group class. The following table lists the allowable values for this string.

| Value | Description |
| --- | --- |
| IPM.DistList.MOC.Tagged | Represents the Tagged group that lists the tagged [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128). |
| IPM.DistList.MOC.OtherContacts | Represents the OtherContacts group that lists the remainder of contacts (2) not in any other group. |
| IPM.DistList.MOC.UserGroup | Represents any user-created group that is not a distribution group. |
| IPM.DistList.MOC.DG | Represents any user-created distribution group. |
| IPM.DistList.MOC.Favorites | Represents the Favorites group that lists the favorite contacts (2). |

The value can contain only one Tagged group, one OtherContacts group, and one Favorites group.

**ExchangeStoreId:** An element of type **ItemIdType**, as defined in [[MS-OXWSCORE]](%5BMS-OXWSCORE%5D.pdf#Section_7a113138a0db4168a164bf8b05cc4e6d) section 2.2.4.25,that represents the instant messaging group identifier.

**MemberCorrelationKey:** An element of type **NonEmptyArrayOfItemIdsType**, as defined in [[MS-OXWSBTRF]](%5BMS-OXWSBTRF%5D.pdf#Section_516f059349214f3e9c24fa642b7d0873) section 3.1.4.1.3.4, that represents the identifiers of the contacts (2) that are part of the group.

**ExtendedProperties:** An element of type **NonEmptyArrayOfExtendedPropertyType**, as defined in [[MS-OXWSXPROP]](%5BMS-OXWSXPROP%5D.pdf#Section_1e0ae5e6c5164ad1ad12c19fee04860a) section 2.1.3, that contains an array of additional properties.

**SmtpAddress:** An element of type **xs:string**, as defined in [[XMLSCHEMA2]](https://go.microsoft.com/fwlink/?LinkId=90610), that represents the [**SMTP**](#gt_0678be67-e739-4e33-97fe-2b03b903a379) address of the group.

#### ImItemListType

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

The **ImItemListType** complex type specifies an array of groups of **ImGroupType** complex types and an array of personas.

1. <xs:complexType name="ImItemListType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:sequence>
3. <xs:element minOccurs="0" name="Groups" type="t:ArrayOfImGroupType"/>
4. <xs:element minOccurs="0" name="Personas" type="t:ArrayOfPeopleType"/>
5. </xs:sequence>
6. </xs:complexType>

**Groups:** An element of type **ArrayOfImGroupType**, as defined in section [2.2.4.1](#Section_d6de8dc6cd87422f9a536eb51064731a), that represents an array of [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) groups.

**Personas:** An element of type **ArrayOfPeopleType**, as defined in [[MS-OXWSPERS]](%5BMS-OXWSPERS%5D.pdf#Section_58a9eadc6db44099baa4da6d7ec9392b) section 3.1.4.1.3.4, that represents an array of [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128).

#### NonEmptyArrayOfExtendedFieldURIs

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

The **NonEmptyArrayOfExtendedFieldURIs** complex type specifies an array of extended [**URIs**](#gt_e18af8e8-01d7-4f91-8a1e-0fb21b191f95).

1. <xs:complexType name="NonEmptyArrayOfExtendedFieldURIs" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:choice maxOccurs="unbounded">
3. <xs:element name="ExtendedProperty" type="t:PathToExtendedFieldType"/>
4. </xs:choice>
5. </xs:complexType>

**ExtendedProperty:** An element of type **PathToExtendedFieldType**, as defined in [[MS-OXWSXPROP]](%5BMS-OXWSXPROP%5D.pdf#Section_1e0ae5e6c5164ad1ad12c19fee04860a) section 2.1.6, that represents an extended property for the Unified Contact Store. Extended properties are typically private properties on [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) that are used for application-specific functions.

### Simple Types

This specification does not define any common [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) simple type definitions.

### Attributes

This specification does not define any common [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) attribute definitions.

### Groups

This specification does not define any common [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) group definitions.

### Attribute Groups

This specification does not define any common [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) attribute group definitions.

# 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**](#gt_5a824664-0858-4b09-b852-83baf4584efa) 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.

## ExchangeServicePortType Server Details

This protocol defines a single [**WSDL port type**](#gt_61056d88-e7ee-4cea-8dcd-80a9ef5db083) and operations to manage [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) contacts and distribution groups.

### Abstract Data Model

None.

### Timers

None.

### Initialization

None.

### Message Processing Events and Sequencing Rules

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

| Operation | Description |
| --- | --- |
| **AddDistributionGroupToImList** | The **AddDistributionGroupToImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) creates a new [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) distribution group. |
| **AddImContactToGroup** | The **AddImContactToGroup** WSDL operation adds an existing [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to an instant messaging group. |
| **AddImGroup** | The **AddImGroup** WSDL operation creates a new instant messaging group in a [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). |
| **AddNewImContactToGroup** | The **AddNewImContactToGroup** WSDL operation adds a new contact (2) to an instant messaging group. |
| **AddNewTelUriContactToGroup** | The **AddNewTelUriContactToGroup** WSDL operation adds a new TEL URI ([RFC3966]) contact (2) to a group. |
| **GetImItemList** | The **GetImItemList** WSDL operation retrieves all data for instant messaging groups and contacts (2) in the contact list. |
| **GetImItems** | The **GetImItems** WSDL operation retrieves groups and contacts (2) for the specified identifiers. |
| **RemoveContactFromImList** | The **RemoveContactFromImList** WSDL operation removes the specified contact (2) from all instant messaging groups. |
| **RemoveDistributionGroupFromImList** | The **RemoveDistributionGroupFromImList** WSDL operation removes a distribution group from an instant messaging list. |
| **RemoveImContactFromGroup** | The **RemoveImContactFromGroup** WSDL operation removes an instant messaging contact (2) from a group if the contact (2) is only a member of the specified group, excluding the Tagged group. If the Tagged group is the specified group, and the contact (2) is a member of the Tagged group only, the contact (2) is removed. |
| **RemoveImGroup** | The **RemoveImGroup** WSDL operation removes the instant messaging group and all the contacts (2) in the group. A contact (2) is deleted if it is a member of only the specified group, excluding the Tagged group. If the Tagged group is the specified group and the contact (2) is a member of the Tagged group only, the contact (2) is removed. |
| **SetImGroup** | The **SetImGroup** WSDL operation changes the display name of an instant messaging group. |
| **SetImListMigrationCompleted** | The **SetImListMigrationCompleted** WSDL operation indicates whether the instant messaging contacts (2) in a mailbox have been migrated to the server. |

#### AddDistributionGroupToImList

The **AddDistributionGroupToImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) creates a new [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) distribution group.

The following is the [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) port type specification of the **AddDistributionGroupToImList** WSDL operation.

1. <wsdl:operation name="AddDistributionGroupToImList" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:input message="tns:AddDistributionGroupToImListSoapIn"/>
3. <wsdl:output message="tns:AddDistributionGroupToImListSoapOut"/>
4. </wsdl:operation>

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

1. <wsdl:operation name="AddDistributionGroupToImList" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddDistributionGroupToImList" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
3. <wsdl:input>
4. <soap:header message="tns:AddDistributionGroupToImListSoapIn" part="Impersonation" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
5. <soap:header message="tns:AddDistributionGroupToImListSoapIn" part="MailboxCulture" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
6. <soap:header message="tns:AddDistributionGroupToImListSoapIn" part="RequestVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
7. <soap:body use="literal" parts="request" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
8. </wsdl:input>
9. <wsdl:output>
10. <soap:body use="literal" parts="AddDistributionGroupToImListResult" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
11. <soap:header message="tns:AddDistributionGroupToImListSoapOut" part="ServerVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
12. </wsdl:output>
13. </wsdl:operation>

This operation does not create a distribution group if a distribution group exists that has the same [**SMTP**](#gt_0678be67-e739-4e33-97fe-2b03b903a379) address.

The protocol client sends an **AddDistributionGroupToImListSoapIn** request [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) and the protocol server responds with an **AddDistributionGroupToImListSoapOut** response WSDL message.

##### Messages

The following table summarizes the set of [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **AddDistributionGroupToImListSoapIn** | Specifies the request to add a distribution group to the [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) list. |
| **AddDistributionGroupToImListSoapOut** | Specifies the response to the **AddDistributionGroupToImListSoapIn** request WSDL message. |

###### AddDistributionGroupToImListSoapIn

The **AddDistributionGroupToImListSoapIn** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the request to add a distribution group to the [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) list.

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

1. <wsdl:message name="AddDistributionGroupToImListSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="request" element="tns:AddDistributionGroupToImList"/>
3. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
4. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
5. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
6. </wsdl:message>

The **AddDistributionGroupToImListSoapIn** WSDL message is the input message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/AddDistributionGroupToImList.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **request** | **AddDistributionGroupToImList** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the request to add a distribution group. |
| **Impersonation** | **ExchangeImpersonation**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.3) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the user whom the client is impersonating.  |
| **MailboxCulture** | **MailboxCulture**[MS-OXWSCDATA] section 2.2.3.6) | Specifies a SOAP header that identifies the culture to use when accessing the [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). The cultures are defined in [[RFC3066]](https://go.microsoft.com/fwlink/?LinkId=90404). |
| **RequestVersion** | **RequestServerVersion**([MS-OXWSCDATA] section 2.2.3.9) | Specifies a SOAP header that identifies the schema version for the **AddDistributionGroupToImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request.  |

###### AddDistributionGroupToImListSoapOut

The **AddDistributionGroupToImListSoapOut** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the response to the **AddDistributionGroupToImListSoapIn** request WSDL message.

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

1. <wsdl:message name="AddDistributionGroupToImListSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="AddDistributionGroupToImListResult" element="tns:AddDistributionGroupToImListResponse"/>
3. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
4. </wsdl:message>

The **AddDistributionGroupToImListSoapOut** WSDL message is the output message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/AddDistributionGroupToImList.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **AddDistributionGroupToImListResult** | **AddDistributionGroupToImListResponse** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the response. |
| **ServerVersion** | **ServerVersionInfo**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.10) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the server version for the response. |

A successful **AddDistributionGroupToImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request returns an **AddDistributionGroupToImListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **AddDistributionGroupToImListResponse** element is set to "NoError".

If the **AddDistributionGroupToImList** WSDL operation is not successful, it returns an **AddDistributionGroupToImListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **AddDistributionGroupToImListResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.24.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **AddDistributionGroupToImList** | The input data for the **AddDistributionGroupToImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **AddDistributionGroupToImListResponse** | The result data for the **AddDistributionGroupToImList** WSDL operation. |

###### AddDistributionGroupToImList

The **AddDistributionGroupToImList** element specifies the input data for the **AddDistributionGroupToImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="AddDistributionGroupToImList" type="tns:AddDistributionGroupToImListType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

###### AddDistributionGroupToImListResponse

The **AddDistributionGroupToImListResponse** element specifies the result data for the **AddDistributionGroupToImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="AddDistributionGroupToImListResponse" type="tns:AddDistributionGroupToImListResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

##### Complex Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **AddDistributionGroupToImListResponseMessageType** | Specifies the response message for the **AddDistributionGroupToImList** operation. |
| **AddDistributionGroupToImListType** | Specifies a distribution group to be added to the [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) list. |

###### AddDistributionGroupToImListType

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

The **AddDistributionGroupToImListType** complex type specifies a distribution group to be added to the [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) list. The **AddDistributionGroupToImListType** complex type extends the **BaseRequestType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.17.

1. <xs:complexType name="AddDistributionGroupToImListType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:BaseRequestType">
4. <xs:sequence>
5. <xs:element name="SmtpAddress" type="t:NonEmptyStringType"/>
6. <xs:element name="DisplayName" type="t:NonEmptyStringType"/>
7. </xs:sequence>
8. </xs:extension>
9. </xs:complexContent>
10. </xs:complexType>

**SmtpAddress:** An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the [**SMTP**](#gt_0678be67-e739-4e33-97fe-2b03b903a379) address of the group.

**DisplayName:** An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the display name of the group.

###### AddDistributionGroupToImListResponseMessageType

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

The **AddDistributionGroupToImListResponseMessageType** complex type specifies the response message for the **AddDistributionGroupToImList** operation. The **AddDistributionGroupToImListResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.66.

1. <xs:complexType name="AddDistributionGroupToImListResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:ResponseMessageType">
4. <xs:sequence>
5. <xs:element minOccurs="0" name="ImGroup" type="t:ImGroupType"/>
6. </xs:sequence>
7. </xs:extension>
8. </xs:complexContent>
9. </xs:complexType>

**ImGroup:** An element of type **ImGroupType**, as defined in section [2.2.4.2](#Section_9191ee8d7f554c85bfbb3950bb41a806), that represents a single [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group.

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### AddImContactToGroup

The **AddImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) adds an existing [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group.

The following is the [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) port type specification of the **AddImContactToGroup** WSDL operation.

1. <wsdl:operation name="AddImContactToGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:input message="tns:AddImContactToGroupSoapIn"/>
3. <wsdl:output message="tns:AddImContactToGroupSoapOut"/>
4. </wsdl:operation>

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

1. <wsdl:operation name="AddImContactToGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddImContactToGroup" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
3. <wsdl:input>
4. <soap:header message="tns:AddImContactToGroupSoapIn" part="Impersonation" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
5. <soap:header message="tns:AddImContactToGroupSoapIn" part="MailboxCulture" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
6. <soap:header message="tns:AddImContactToGroupSoapIn" part="RequestVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
7. <soap:body use="literal" parts="request" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
8. </wsdl:input>
9. <wsdl:output>
10. <soap:body use="literal" parts="AddImContactToGroupResult" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
11. <soap:header message="tns:AddImContactToGroupSoapOut" part="ServerVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
12. </wsdl:output>
13. </wsdl:operation>

This operation accepts only existing contacts. The **AddNewImContactToGroup** (section [3.1.4.4](#Section_d6072e2101f54e34b04cd89353a8c78d)) or the **AddNewTelUriContactToGroup** (section [3.1.4.5](#Section_61d55e82833843ec932413bb66799bf2)) operation can be used to add a new instant messaging contact (2) to the Unified Contact Store.

The protocol client sends an **AddImContactToGroupSoapIn** request [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) and the protocol server responds with an **AddImContactToGroupSoapOut** response WSDL message.

##### Messages

The following table summarizes the set of [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **AddImContactToGroupSoapIn** | Specifies the request to add an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to a group. |
| **AddImContactToGroupSoapOut** | Specifies the response to the **AddImContactToGroupSoapIn** request WSDL message. |

###### AddImContactToGroupSoapIn

The **AddImContactToGroupSoapIn** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the request to add an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to a group.

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

1. <wsdl:message name="AddImContactToGroupSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="request" element="tns:AddImContactToGroup"/>
3. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
4. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
5. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
6. </wsdl:message>

The **AddImContactToGroupSoapIn** WSDL message is the input message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/AddImContactToGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **request** | **AddImContactToGroup** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the request to add an instant messaging contact (2) to a group. |
| **Impersonation** | **ExchangeImpersonation**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.3) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the user whom the client is impersonating.  |
| **MailboxCulture** | **MailboxCulture**[MS-OXWSCDATA] section 2.2.3.6) | Specifies a SOAP header that identifies the culture to use to access the [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). The cultures are defined in [[RFC3066]](https://go.microsoft.com/fwlink/?LinkId=90404). |
| **RequestVersion** | **RequestServerVersion**([MS-OXWSCDATA] section 2.2.3.9) | Specifies a SOAP header that identifies the schema version for the **AddImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request.  |

###### AddImContactToGroupSoapOut

The **AddImContactToGroupSoapOut** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the response to the **AddImContactToGroupSoapIn** request WSDL message.

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

1. <wsdl:message name="AddImContactToGroupSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="AddImContactToGroupResult" element="tns:AddImContactToGroupResponse"/>
3. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
4. </wsdl:message>

The **AddImContactToGroupSoapOut** WSDL message is the output message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/AddImContactToGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **AddImContactToGroupResult** | **AddImContactToGroupResponse** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the response. |
| **ServerVersion** | **ServerVersionInfo**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.10) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the server version for the response. |

A successful **AddImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request returns an **AddImContactToGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **AddImContactToGroupResponse** element is set to "NoError".

If the **AddImContactToGroup** WSDL operation is not successful, it returns an **AddImContactToGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **AddImContactToGroupResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.24.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **AddImContactToGroup** | The input data for the **AddImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **AddImContactToGroupResponse** | The result data for the **AddImContactToGroup** WSDL operation. |

###### AddImContactToGroup

The **AddImContactToGroup** element specifies the input data for the **AddImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="AddImContactToGroup" type="tns:AddImContactToGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

###### AddImContactToGroupResponse

The **AddImContactToGroupResponse** element specifies the result data for the **AddImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="AddImContactToGroupResponse" type="tns:AddImContactToGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

##### Complex Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **AddImContactToGroupResponseMessageType** | Specifies the response message for the **AddImContactToGroup** operation. |
| **AddImContactToGroupType** | Specifies a request to add an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to a group. |

###### AddImContactToGroupType

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

The **AddImContactToGroupType** complex type specifies a request to add an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to a group. The **AddImContactToGroupType** complex type extends the **BaseRequestType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.17.

1. <xs:complexType name="AddImContactToGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:BaseRequestType">
4. <xs:sequence>
5. <xs:element name="ContactId" type="t:ItemIdType"/>
6. <xs:element minOccurs="0" name="GroupId" type="t:ItemIdType"/>
7. </xs:sequence>
8. </xs:extension>
9. </xs:complexContent>
10. </xs:complexType>

**ContactId:** An element of type **ItemIdType**, as defined in [[MS-OXWSCORE]](%5BMS-OXWSCORE%5D.pdf#Section_7a113138a0db4168a164bf8b05cc4e6d) section 2.2.4.25, that represents the identifier of the contact (2).

**GroupId:** An element of type **ItemIdType**, as defined in [MS-OXWSCORE] section 2.2.4.25, that represents the identifier of the group.

###### AddImContactToGroupResponseMessageType

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

The **AddImContactToGroupResponseMessageType** complex type specifies the response message for the **AddImContactToGroup** operation. The **AddImContactToGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.66.

1. <xs:complexType name="AddImContactToGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:ResponseMessageType"/>
4. </xs:complexContent>
5. </xs:complexType>

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### AddImGroup

The **AddImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) creates a new [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group in a [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3).

The following is the [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) port type specification of the **AddImGroup** WSDL operation.

1. <wsdl:operation name="AddImGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:input message="tns:AddImGroupSoapIn"/>
3. <wsdl:output message="tns:AddImGroupSoapOut"/>
4. </wsdl:operation>

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

1. <wsdl:operation name="AddImGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddImGroup" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
3. <wsdl:input>
4. <soap:header message="tns:AddImGroupSoapIn" part="Impersonation" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
5. <soap:header message="tns:AddImGroupSoapIn" part="MailboxCulture" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
6. <soap:header message="tns:AddImGroupSoapIn" part="RequestVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
7. <soap:body use="literal" parts="request" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
8. </wsdl:input>
9. <wsdl:output>
10. <soap:body use="literal" parts="AddImGroupResult" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
11. <soap:header message="tns:AddImGroupSoapOut" part="ServerVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
12. </wsdl:output>
13. </wsdl:operation>

This operation takes only a single display name parameter. This operation returns the display name, group type, and store identifier of the new group.

If an instant messaging group with the same display name exists, this operation returns information about that group. The operation fails if the maximum 64 groups already exist, excluding Tagged, OtherContacts, and Favorites groups.

The protocol client sends an **AddImGroupSoapIn** request [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) and the protocol server responds with an **AddImGroupSoapIn** response.

##### Messages

The following table summarizes the set of [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **AddImGroupSoapIn** | Specifies the request to add an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group. |
| **AddImGroupSoapOut** | Specifies the response to the **AddImGroupSoapIn** request WSDL message. |

###### AddImGroupSoapIn

The **AddImGroupSoapIn** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the request to add an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group.

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

1. <wsdl:message name="AddImGroupSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="request" element="tns:AddImGroup"/>
3. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
4. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
5. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
6. </wsdl:message>

The **AddImGroupSoapIn** WSDL message is the input message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/AddImGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **request** | **AddImGroup** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the request to add an instant messaging group. |
| **Impersonation** | **ExchangeImpersonation**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.3) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the user whom the client is impersonating.  |
| **MailboxCulture** | **MailboxCulture**([MS-OXWSCDATA] section 2.2.3.6) | Specifies a SOAP header that identifies the culture to use to access the [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). The cultures are defined in [[RFC3066]](https://go.microsoft.com/fwlink/?LinkId=90404). |
| **RequestVersion** | **RequestServerVersion**([MS-OXWSCDATA] section 2.2.3.9) | Specifies a SOAP header that identifies the schema version for the **AddImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request.  |

###### AddImGroupSoapOut

The **AddImGroupSoapOut** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the response to the **AddImGroupSoapIn** request WSDL message.

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

1. <wsdl:message name="AddImGroupSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="AddImGroupResult" element="tns:AddImGroupResponse"/>
3. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
4. </wsdl:message>

The **AddImGroupSoapOut** WSDL message is the output message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/AddImGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **AddImGroupResult** | **AddImGroupResponse** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the response. |
| **ServerVersion** | **ServerVersionInfo**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.10) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the server version for the response. |

A successful **AddImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request returns an **AddImGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **AddImGroupResponse** element is set to "NoError".

If the **AddImGroup** WSDL operation is not successful, it returns an **AddImGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **AddImGroupResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.24.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **AddImGroup** | The input data for the **AddImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **AddImGroupResponse** | The result data for the **AddImGroup** WSDL operation. |

###### AddImGroup

The **AddImGroup** element specifies the input data for the **AddImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="AddImGroup" type="tns:AddImGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

###### AddImGroupResponse

The **AddImGroupResponse** element specifies the result data for the **AddImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="AddImGroupResponse" type="tns:AddImGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

##### Complex Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **AddImGroupResponseMessageType** | Specifies the response message for the **AddImGoup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **AddImGroupType** | Specifies a request to add an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group. |

###### AddImGroupType

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

The **AddImGroupType** complex type specifies a request to add an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group. The **AddImGroupType** complex type extends the **BaseRequestType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.17.

1. <xs:complexType name="AddImGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:BaseRequestType">
4. <xs:sequence>
5. <xs:element name="DisplayName" type="t:NonEmptyStringType"/>
6. </xs:sequence>
7. </xs:extension>
8. </xs:complexContent>
9. </xs:complexType>

**DisplayName:** An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the display name of the instant messaging group.

###### AddImGroupResponseMessageType

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

The **AddImGroupResponseMessageType** complex type specifies the response message for the **AddImGoup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). The **AddImGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.66.

1. <xs:complexType name="AddImGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:ResponseMessageType">
4. <xs:sequence>
5. <xs:element minOccurs="0" name="ImGroup" type="t:ImGroupType"/>
6. </xs:sequence>
7. </xs:extension>
8. </xs:complexContent>
9. </xs:complexType>

**ImGroup:** An element of type **ImGroupType**, as defined in section [2.2.4.2](#Section_9191ee8d7f554c85bfbb3950bb41a806), that represents a single [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group.

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### AddNewImContactToGroup

The **AddNewImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) adds a new [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group.

The following is the [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) port type specification of the **AddNewImContactToGroup** WSDL operation.

1. <wsdl:operation name="AddNewImContactToGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:input message="tns:AddNewImContactToGroupSoapIn"/>
3. <wsdl:output message="tns:AddNewImContactToGroupSoapOut"/>
4. </wsdl:operation>

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

1. <wsdl:operation name="AddNewImContactToGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddNewImContactToGroup" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
3. <wsdl:input>
4. <soap:header message="tns:AddNewImContactToGroupSoapIn" part="Impersonation" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
5. <soap:header message="tns:AddNewImContactToGroupSoapIn" part="MailboxCulture" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
6. <soap:header message="tns:AddNewImContactToGroupSoapIn" part="RequestVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
7. <soap:body use="literal" parts="request" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
8. </wsdl:input>
9. <wsdl:output>
10. <soap:body use="literal" parts="AddNewImContactToGroupResult" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
11. <soap:header message="tns:AddNewImContactToGroupSoapOut" part="ServerVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
12. </wsdl:output>
13. </wsdl:operation>

If the group contains more than the maximum 1000 contacts (2), this operation fails and **ErrorImContactLimitReached** (as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.5.24) will be returned. If a contact (3) already exists that has the same instant messaging address, this operation does nothing.

The protocol client sends an **AddNewImContactToGroupSoapIn** request [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) and the protocol server responds with an **AddNewImContactToGroupSoapOut** response WSDL message.

##### Messages

The following table summarizes the set of [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **AddNewImContactToGroupSoapIn** | Specifies the request to add a new [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to a group. |
| **AddNewImContactToGroupSoapOut** | Specifies the response to the **AddNewImContactToGroupSoapIn** request WSDL message. |

###### AddNewImContactToGroupSoapIn

The **AddNewImContactToGroupSoapIn** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the request to add a new [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to a group.

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

1. <wsdl:message name="AddNewImContactToGroupSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="request" element="tns:AddNewImContactToGroup"/>
3. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
4. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
5. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
6. </wsdl:message>

The **AddNewImContactToGroupSoapIn** WSDL message is the input message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/AddNewImContactToGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **request** | **AddNewImContactToGroup** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the request to add an instant messaging contact (2) to a group. |
| **Impersonation** | **ExchangeImpersonation**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.3) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the user whom the client is impersonating.  |
| **MailboxCulture** | **MailboxCulture**([MS-OXWSCDATA] section 2.2.3.6) | Specifies a SOAP header that identifies the culture to use to access the [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). The cultures are defined in [[RFC3066]](https://go.microsoft.com/fwlink/?LinkId=90404). |
| **RequestVersion** | **RequestServerVersion**([MS-OXWSCDATA] section 2.2.3.9) | Specifies a SOAP header that identifies the schema version for the **AddNewImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request.  |

###### AddNewImContactToGroupSoapOut

The **AddNewImContactToGroupSoapOut** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the response to the **AddNewImContactToGroupSoapIn** request WSDL message.

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

1. <wsdl:message name="AddNewImContactToGroupSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="AddNewImContactToGroupResult" element="tns:AddNewImContactToGroupResponse"/>
3. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
4. </wsdl:message>

The **AddNewImContactToGroupSoapOut** WSDL message is the output message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/AddNewImContactToGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **AddNewImContactToGroupResult** | **AddNewImContactToGroupResponse** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the response. |
| **ServerVersion** | **ServerVersionInfo**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.10) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the server version for the response. |

A successful **AddNewImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request returns an **AddNewImContactToGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **AddNewImContactToGroupResponse** element is set to "NoError".

If the **AddNewImContactToGroup** WSDL operation is not successful, it returns an **AddNewImContactToGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **AddNewImContactToGroupResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.24.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **AddNewImContactToGroup** | The input data for the **AddNewImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **AddNewImContactToGroupResponse** | The result data for the **AddNewImContactToGroup** WSDL operation. |

###### AddNewImContactToGroup

The **AddNewImContactToGroup** element specifies the input data for the **AddNewImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="AddNewImContactToGroup" type="tns:AddNewImContactToGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

###### AddNewImContactToGroupResponse

The **AddNewImContactToGroupResponse** element specifies the result data for the **AddNewImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="AddNewImContactToGroupResponse" type="tns:AddNewImContactToGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

##### Complex Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **AddNewImContactToGroupResponseMessageType** | Specifies the response message for an **AddNewImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **AddNewImContactToGroupType** | Specifies a request to add a new [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to a group. |

###### AddNewImContactToGroupType

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

The **AddNewImContactToGroupType** complex type specifies a request to add a new [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to a group. The **AddNewImContactToGroupType** complex type extends the **BaseRequestType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.17.

1. <xs:complexType name="AddNewImContactToGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:BaseRequestType">
4. <xs:sequence>
5. <xs:element name="ImAddress" type="t:NonEmptyStringType"/>
6. <xs:element minOccurs="0" name="DisplayName" type="t:NonEmptyStringType"/>
7. <xs:element minOccurs="0" name="GroupId" type="t:ItemIdType"/>
8. </xs:sequence>
9. </xs:extension>
10. </xs:complexContent>
11. </xs:complexType>

**ImAddress:** An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the instant messaging address of the contact (2).

**DisplayName:** An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the display name of the contact (2).

**GroupId:** An element of type **ItemIdType**, as defined in [[MS-OXWSCORE]](%5BMS-OXWSCORE%5D.pdf#Section_7a113138a0db4168a164bf8b05cc4e6d) section 2.2.4.25, that represents the identifier of the group. If this element is not specified, the contact is added to the OtherContacts group.

###### AddNewImContactToGroupResponseMessageType

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

The **AddnewImContactToGroupResponseMessageType** complex type specifies the response message for an **AddNewImContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). The **AddNewImContactToGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.66.

1. <xs:complexType name="AddNewImContactToGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:ResponseMessageType">
4. <xs:sequence>
5. <xs:element minOccurs="0" name="Persona" type="t:PersonaType"/>
6. </xs:sequence>
7. </xs:extension>
8. </xs:complexContent>
9. </xs:complexType>

**Persona:** An element of type **PersonaType**, as specified in [[MS-OXWSPERS]](%5BMS-OXWSPERS%5D.pdf#Section_58a9eadc6db44099baa4da6d7ec9392b) section 2.2.4.19, that represents an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128).

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### AddNewTelUriContactToGroup

The **AddNewTelUriContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) adds a new TEL URI ([[RFC3966]](https://go.microsoft.com/fwlink/?LinkId=114246)) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to a group.

The following is the [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) port type specification of the **AddNewTelUriContactToGroup** WSDL operation.

1. <wsdl:operation name="AddNewTelUriContactToGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:input message="tns:AddNewTelUriContactToGroupSoapIn"/>
3. <wsdl:output message="tns:AddNewTelUriContactToGroupSoapOut"/>
4. </wsdl:operation>

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

1. <wsdl:operation name="AddNewTelUriContactToGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddNewTelUriContactToGroup" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
3. <wsdl:input>
4. <soap:header message="tns:AddNewTelUriContactToGroupSoapIn" part="Impersonation" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
5. <soap:header message="tns:AddNewTelUriContactToGroupSoapIn" part="MailboxCulture" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
6. <soap:header message="tns:AddNewTelUriContactToGroupSoapIn" part="RequestVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
7. <soap:body use="literal" parts="request" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
8. </wsdl:input>
9. <wsdl:output>
10. <soap:body use="literal" parts="AddNewTelUriContactToGroupResult" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
11. <soap:header message="tns:AddNewTelUriContactToGroupSoapOut" part="ServerVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
12. </wsdl:output>
13. </wsdl:operation>

The protocol client sends an **AddNewTelUriContactToGroupSoapIn** request [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) and the protocol server responds with an **AddNewTelUriContactToGroupSoapOut** response WSDL message.

This operation fails and **ErrorImContactLimitReached** (as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.5.24) will be returned if the maximum 1000 contacts (2) already exist and none of them has the same TEL URI address with the new added contact (2).

##### Messages

The following table summarizes the set of [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **AddNewTelUriContactToGroupSoapIn** | Specifies the request to add a new TEL URI [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to a group. |
| **AddNewTelUriContactToGroupSoapOut** | Specifies the response to the **AddNewTelUriContactToGroupSoapIn** request WSDL message. |

###### AddNewTelUriContactToGroupSoapIn

The **AddNewTelUriContactToGroupSoapIn** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the request to add a new TEL URI contact (3) to a group.

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

1. <wsdl:message name="AddNewTelUriContactToGroupSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="request" element="tns:AddNewTelUriContactToGroup"/>
3. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
4. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
5. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
6. </wsdl:message>

The **AddNewTelUriContactToGroupSoapIn** WSDL message is the input message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/AddNewTelUriContactToGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **request** | **AddNewTelUriContactToGroup** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the request to add a new TEL URI [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128). |
| **Impersonation** | **ExchangeImpersonation**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.3) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the user whom the client is impersonating. |
| **MailboxCulture** | **MailboxCulture**([MS-OXWSCDATA] section 2.2.3.6) | Specifies a SOAP header that identifies the culture to use to access the [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). The cultures are defined in [[RFC3066]](https://go.microsoft.com/fwlink/?LinkId=90404). |
| **RequestVersion** | **RequestServerVersion**([MS-OXWSCDATA] section 2.2.3.9) | Specifies a SOAP header that identifies the schema version for the **AddNewTelUriContactToGroup** WSDL operation request. |

###### AddNewTelUriContactToGroupSoapOut

The **AddNewTelUriContactToGroupSoapOut** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the response to the **AddNewTelUriContactToGroupSoapIn** request WSDL message.

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

1. <wsdl:message name="AddNewTelUriContactToGroupSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="AddNewTelUriContactToGroupResult" element="tns:AddNewTelUriContactToGroupResponse"/>
3. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
4. </wsdl:message>

The **AddNewTelUriContactToGroupSoapOut** WSDL message is the output message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/AddNewTelUriContactToGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **AddNewTelUriContactToGroupResult** | **AddNewTelUriContactToGroupResponse** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the response. |
| **ServerVersion** | **ServerVersionInfo**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.10) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the server version for the response. |

A successful **AddNewTelUriContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request returns an **AddNewTelUriContactToGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **AddNewTelUriContactToGroupResponse** element is set to "NoError".

If the **AddNewTelUriContactToGroup** WSDL operation is not successful, it returns an **AddNewTelUriContactToGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **AddNewTelUriContactToGroupResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.24.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **AddNewTelUriContactToGroup** | The input data for the **AddNewTelUriContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **AddNewTelUriContactToGroupResponse** | The result data for the **AddNewTelUriContactToGroup** WSDL operation. |

###### AddNewTelUriContactToGroup

The **AddNewTelUriContactToGroup** element specifies the input data for the **AddNewTelUriContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="AddNewTelUriContactToGroup" type="tns:AddNewTelUriContactToGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

###### AddNewTelUriContactToGroupResponse

The **AddNewTelUriContactToGroupResponse** element specifies the result data for the **AddNewTelUriContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="AddNewTelUriContactToGroupResponse" type="tns:AddNewTelUriContactToGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

##### Complex Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **AddNewTelUriContactToGroupResponseMessageType** | Specifies the response message for an **AddNewTelUriContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **AddNewTelUriContactToGroupType** | Specifies a request to add a new TEL URI [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to a group. |

###### AddNewTelUriContactToGroupType

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

The **AddNewTelUriContactToGroupType** complex type specifies a request to add a new TEL URI [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to a group. The **AddNewTelUriContactToGroupType** complex type extends the **BaseRequestType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.17.

1. <xs:complexType name="AddNewTelUriContactToGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:BaseRequestType">
4. <xs:sequence>
5. <xs:element name="TelUriAddress" type="t:NonEmptyStringType"/>
6. <xs:element name="ImContactSipUriAddress" type="t:NonEmptyStringType"/>
7. <xs:element name="ImTelephoneNumber" type="t:NonEmptyStringType"/>
8. <xs:element minOccurs="0" name="GroupId" type="t:ItemIdType"/>
9. </xs:sequence>
10. </xs:extension>
11. </xs:complexContent>
12. </xs:complexType>

**TelUriAddress:** An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the TEL URI address of the contact (2).

**ImContactSipUriAddress:**  An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the [**SIP**](#gt_586971aa-3b65-4de3-be93-1a9756777d89) URI address of the contact.

**ImTelephoneNumber:**  An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the telephone number for the contact.

**GroupId:** An element of type **ItemIdType**, as defined in [[MS-OXWSCORE]](%5BMS-OXWSCORE%5D.pdf#Section_7a113138a0db4168a164bf8b05cc4e6d) section 2.2.4.25, that represents the identifier of the group. If this element is not specified, the contact is added to the OtherContacts group.

###### AddNewTelUriContactToGroupResponseMessageType

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

The **AddNewTelUriContactToGroupResponseMessageType** complex type specifies the response message for an **AddNewImTelUriContactToGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). The **AddNewTelUriContactToGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.66.

1. <xs:complexType name="AddNewTelUriContactToGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:ResponseMessageType">
4. <xs:sequence>
5. <xs:element minOccurs="0" name="Persona" type="t:PersonaType"/>
6. </xs:sequence>
7. </xs:extension>
8. </xs:complexContent>
9. </xs:complexType>

**Persona:** An element of type **PersonaType**, as defined in [[MS-OXWSPERS]](%5BMS-OXWSPERS%5D.pdf#Section_58a9eadc6db44099baa4da6d7ec9392b) section 2.2.4.19, that represents the TEL URI [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128).

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### GetImItemList

The **GetImItemList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) retrieves all data for [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) groups and [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) in the contact list.

The following is the [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) port type specification of the **GetImItemList** WSDL operation.

1. <wsdl:operation name="GetImItemList" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:input message="tns:GetImItemListSoapIn"/>
3. <wsdl:output message="tns:GetImItemListSoapOut"/>
4. </wsdl:operation>

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

1. <wsdl:operation name="GetImItemList" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetImItemList" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
3. <wsdl:input>
4. <soap:header message="tns:GetImItemListSoapIn" part="Impersonation" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
5. <soap:header message="tns:GetImItemListSoapIn" part="MailboxCulture" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
6. <soap:header message="tns:GetImItemListSoapIn" part="RequestVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
7. <soap:body use="literal" parts="request" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
8. </wsdl:input>
9. <wsdl:output>
10. <soap:body use="literal" parts="GetImItemListResult" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
11. <soap:header message="tns:GetImItemListSoapOut" part="ServerVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
12. </wsdl:output>
13. </wsdl:operation>

This operation will not return contact (2) groups in the ImContactList folder if the user manually creates a group that is not recognized. This operation will not return contacts (2) in the QuickContacts folder that are not members of any of the groups in the ImContactList folder that are returned.

The protocol client sends a **GetImItemListSoapIn** request [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) and the protocol server responds with a **GetImItemListSoapOut** response WSDL message.

##### Messages

The following table summarizes the set of [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **GetImItemListSoapIn** | Specifies the request to retrieve an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) item list. |
| **GetImItemListSoapOut** | Specifies the response to the **GetImItemListSoapIn** request WSDL message. |

###### GetImItemListSoapIn

The **GetImItemListSoapIn** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the request to retrieve an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) item list.

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

1. <wsdl:message name="GetImItemListSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="request" element="tns:GetImItemList"/>
3. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
4. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
5. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
6. </wsdl:message>

The **GetImItemListSoapIn** WSDL message is the input message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/GetImItemList.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **request** | **GetImItemList** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the request to retrieve an instant messaging item list. |
| **Impersonation** | **ExchangeImpersonation**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.3) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the user whom the client is impersonating.  |
| **MailboxCulture** | **MailboxCulture**([MS-OXWSCDATA] section 2.2.3.6) | Specifies a SOAP header that identifies the culture to use to access the [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). The cultures are defined in [[RFC3066]](https://go.microsoft.com/fwlink/?LinkId=90404). |
| **RequestVersion** | **RequestServerVersion**([MS-OXWSCDATA] section 2.2.3.9) | Specifies a SOAP header that identifies the schema version for the **GetImItemList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request.  |

###### GetImItemListSoapOut

The **GetImItemListSoapOut** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the response to the **GetImItemListSoapIn** request WSDL message.

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

1. <wsdl:message name="GetImItemListSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="GetImItemListResult" element="tns:GetImItemListResponse"/>
3. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
4. </wsdl:message>

The **GetImItemListSoapOut** WSDL message is the output message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/GetImItemList.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **GetImItemListResult** | **GetImItemListResponse** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the response that contains the requested information. |
| **ServerVersion** | **ServerVersionInfo**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.10) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the server version for the response. |

A successful **GetImItemList** operation request returns a **GetImItemListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **GetImItemListResponse** element is set to "NoError".

If the **GetImItemList** operation is not successful, it returns a **GetImItemListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **GetImItemListResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.24.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **GetImItemList** | The input data for the **GetImItemList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **GetImItemListResponse** | The result data for the **GetImItemList** WSDL operation. |

###### GetImItemList

The **GetImItemList** element specifies the input data for the **GetImItemList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="GetImItemList" type="tns:GetImItemListType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

###### GetImItemListResponse

The **GetImItemListResponse** element specifies the result data for the **GetImItemList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="GetImItemListResponse" type="tns:GetImItemListResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

##### Complex Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **GetImItemListResponseMessageType** | Specifies the response message for a **GetImItemList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **GetImItemListType** | Specifies a request to retrieve an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) item list. |

###### GetImItemListType

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

The **GetImItemListType** complex type specifies a request to retrieve an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) item list. The **GetImItemListType** complex type extends the **BaseRequestType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.17.

1. <xs:complexType name="GetImItemListType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:BaseRequestType">
4. <xs:sequence>
5. <xs:element minOccurs="0" name="ExtendedProperties" type="t:NonEmptyArrayOfExtendedFieldURIs"/>
6. </xs:sequence>
7. </xs:extension>
8. </xs:complexContent>
9. </xs:complexType>

**ExtendedProperties:** An element of type **NonEmptyArrayOfExtendedFieldURIs**, as defined in section [2.2.4.4](#Section_eafae87564c749b6aca38fdeb92a1287), that contains an array of additional properties.

###### GetImItemListResponseMessageType

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

The **GetImItemListResponseMessageType** complex type specifies the response message for a **GetImItemList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). The **GetImItemListResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.66.

1. <xs:complexType name="GetImItemListResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:ResponseMessageType">
4. <xs:sequence>
5. <xs:element minOccurs="0" name="ImItemList" type="t:ImItemListType"/>
6. </xs:sequence>
7. </xs:extension>
8. </xs:complexContent>
9. </xs:complexType>

**ImItemList:** An element of type **ImItemListType**, as defined in section [2.2.4.3](#Section_e642ad5625944e7ab0d4ec3067c87b47), that represents a list of [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128).

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### GetImItems

The **GetImItems** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) retrieves groups and [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) for the specified identifiers.

The following is the [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) port type specification of the **GetImItems** WSDL operation.

1. <wsdl:operation name="GetImItems" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:input message="tns:GetImItemsSoapIn"/>
3. <wsdl:output message="tns:GetImItemsSoapOut"/>
4. </wsdl:operation>

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

1. <wsdl:operation name="GetImItems" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetImItems" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
3. <wsdl:input>
4. <soap:header message="tns:GetImItemsSoapIn" part="Impersonation" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
5. <soap:header message="tns:GetImItemsSoapIn" part="MailboxCulture" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
6. <soap:header message="tns:GetImItemsSoapIn" part="RequestVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
7. <soap:body use="literal" parts="request" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
8. </wsdl:input>
9. <wsdl:output>
10. <soap:body use="literal" parts="GetImItemsResult" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
11. <soap:header message="tns:GetImItemsSoapOut" part="ServerVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
12. </wsdl:output>
13. </wsdl:operation>

The protocol client sends a **GetImItemsSoapIn** request [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) and the protocol server responds with a **GetImItemsSoapOut** response WSDL message.

##### Messages

The following table summarizes the set of [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **GetImItemsSoapIn** | Specifies the request to retrieve [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) items. |
| **GetImItemsSoapOut** | Specifies the response to the **GetImItemsSoapIn** request WSDL message. |

###### GetImItemsSoapIn

The **GetImItemsSoapIn** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the request to retrieve [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) items.

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

1. <wsdl:message name="GetImItemsSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="request" element="tns:GetImItems"/>
3. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
4. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
5. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
6. </wsdl:message>

The **GetImItemsSoapIn** WSDL message is the input message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/GetImItems.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **request** | **GetImItems** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the request to retrieve instant messaging items. |
| **Impersonation** | **ExchangeImpersonation**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.3) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the user whom the client is impersonating.  |
| **MailboxCulture** | **MailboxCulture**([MS-OXWSCDATA] section 2.2.3.6) | Specifies a SOAP header that identifies the culture to use to access the [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). The cultures are defined in [[RFC3066]](https://go.microsoft.com/fwlink/?LinkId=90404). |
| **RequestVersion** | **RequestServerVersion**([MS-OXWSCDATA] section 2.2.3.9) | Specifies a SOAP header that identifies the schema version for the **GetImItems** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request.  |

###### GetImItemsSoapOut

The **GetImItemsSoapOut** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the response to the **GetImItemsSoapIn** request WSDL message.

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

1. <wsdl:message name="GetImItemsSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="GetImItemsResult" element="tns:GetImItemsResponse"/>
3. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
4. </wsdl:message>

The **GetImItemsSoapOut** WSDL message is the output message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/GetImItems.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **GetImItemsResult** | **GetImItemsResponse** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the response that contains the requested information. |
| **ServerVersion** | **ServerVersionInfo**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.10) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the server version for the response. |

A successful **GetImItems** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request returns a **GetImItemsResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **GetImItemsResponse** element is set to "NoError".

If the **GetImItems** WSDL operation is not successful, it returns a **GetImItemsResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **GetImItemsResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.24.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **GetImItems** | The input data for the **GetImItems** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **GetImItemsResponse** | The result data for the **GetImItems** WSDL operation. |

###### GetImItems

The **GetImItems** element specifies the input data for the **GetImItems** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="GetImItems" type="tns:GetImItemsType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

###### GetImItemsResponse

The **GetImItemsResponse** element specifies the result data for the **GetImItems** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="GetImItemsResponse" type="tns:GetImItemsResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

##### Complex Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **GetImItemsResponseMessageType** | Specifies the response message for the **GetImItems** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **GetImItemsType** | Specifies a request to retrieve [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) items. |

###### GetImItemsType

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

The **GetImItemsType** complex type specifies a request to retrieve [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) items. The **GetImItemsType** complex type extends the **BaseRequestType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.17.

1. <xs:complexType name="GetImItemsType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:BaseRequestType">
4. <xs:sequence>
5. <xs:element minOccurs="0" name="ContactIds" type="t:NonEmptyArrayOfBaseItemIdsType"/>
6. <xs:element minOccurs="0" name="GroupIds" type="t:NonEmptyArrayOfBaseItemIdsType"/>
7. <xs:element minOccurs="0" name="ExtendedProperties" type="t:NonEmptyArrayOfExtendedFieldURIs"/>
8. </xs:sequence>
9. </xs:extension>
10. </xs:complexContent>
11. </xs:complexType>

**ContactIds:** An element of type **NonEmptyArrayOfBaseItemIdsType**, as defined in[[MS-OXWSCORE]](%5BMS-OXWSCORE%5D.pdf#Section_7a113138a0db4168a164bf8b05cc4e6d) section 2.2.4.31, that represents the identifiers of the [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128).

**GroupIds:** An element of type **NonEmptyArrayOfBaseItemIdsType**, as defined in [MS-OXWSCORE] section 2.2.4.31, that represents the identifiers of the groups.

**ExtendedProperties:** An element of type **NonEmptyArrayOfExtendedFieldURIs**, as defined in section [2.2.4.4](#Section_eafae87564c749b6aca38fdeb92a1287), that contains an array of additional properties for the contacts (2) or the groups.

###### GetImItemsResponseMessageType

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

The **GetImItemsResponseMessageType** complex type specifies the response message for the **GetImItems** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). The **GetImItemsResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.66.

1. <xs:complexType name="GetImItemsResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:ResponseMessageType">
4. <xs:sequence>
5. <xs:element minOccurs="0" name="ImItemList" type="t:ImItemListType"/>
6. </xs:sequence>
7. </xs:extension>
8. </xs:complexContent>
9. </xs:complexType>

**ImItemList:** An element of type **ImItemListType**, as defined in section [2.2.4.3](#Section_e642ad5625944e7ab0d4ec3067c87b47), that represents a list of [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) groups and [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128).

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### RemoveContactFromImList

The **RemoveContactFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) removes the specified [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) from all [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) groups.

The following is the [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) port type specification of the **RemoveContactFromImList** WSDL operation.

1. <wsdl:operation name="RemoveContactFromImList" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:input message="tns:RemoveContactFromImListSoapIn"/>
3. <wsdl:output message="tns:RemoveContactFromImListSoapOut"/>
4. </wsdl:operation>

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

1. <wsdl:operation name="RemoveContactFromImList" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveContactFromImList" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
3. <wsdl:input>
4. <soap:header message="tns:RemoveContactFromImListSoapIn" part="Impersonation" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
5. <soap:header message="tns:RemoveContactFromImListSoapIn" part="MailboxCulture" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
6. <soap:header message="tns:RemoveContactFromImListSoapIn" part="RequestVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
7. <soap:body use="literal" parts="request" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
8. </wsdl:input>
9. <wsdl:output>
10. <soap:body use="literal" parts="RemoveContactFromImListResult" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
11. <soap:header message="tns:RemoveContactFromImListSoapOut" part="ServerVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
12. </wsdl:output>
13. </wsdl:operation>

The protocol client sends a **RemoveContactFromImListSoapIn** request [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) and the protocol server responds with a **RemoveContactFromImListSoapOut** response WSDL message.

##### Messages

The following table summarizes the set of [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **RemoveContactFromImListSoapIn** | Specifies the request to remove a [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) from the [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) list. |
| **RemoveContactFromImListSoapOut** | Specifies the response to the **RemoveContactFromImListSoapIn** request WSDL message. |

###### RemoveContactFromImListSoapIn

The **RemoveContactFromImListSoapIn** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the request to remove a [**contact**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) from the [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) list.

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

1. <wsdl:message name="RemoveContactFromImListSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="request" element="tns:RemoveContactFromImList"/>
3. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
4. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
5. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
6. </wsdl:message>

The **RemoveContactFromImListSoapIn** WSDL message is the input message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/RemoveContactFromImList.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **request** | **RemoveContactFromImList** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the request to remove a contact (2). |
| **Impersonation** | **ExchangeImpersonation**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.3) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the user whom the client is impersonating.  |
| **MailboxCulture** | **MailboxCulture**([MS-OXWSCDATA] section 2.2.3.6) | Specifies a SOAP header that identifies the culture to use to access the [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). The cultures are defined in [[RFC3066]](https://go.microsoft.com/fwlink/?LinkId=90404). |
| **RequestVersion** | **RequestServerVersion**([MS-OXWSCDATA] section 2.2.3.9) | Specifies a SOAP header that identifies the schema version for the **RemoveContactFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request.  |

###### RemoveContactFromImListSoapOut

The **RemoveContactFromImListSoapOut** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the response to the **RemoveContactFromImListSoapIn** request WSDL message.

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

1. <wsdl:message name="RemoveContactFromImListSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="RemoveContactFromImListResult" element="tns:RemoveContactFromImListResponse"/>
3. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
4. </wsdl:message>

The **RemoveContactFromImListSoapOut** WSDL message is the output message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/RemoveContactFromImList.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **RemoveContactFromImListResult** | **RemoveContactFromImListResponse** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the response. |
| **ServerVersion** | **ServerVersionInfo**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.10) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the server version for the response. |

A successful **RemoveContactFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request returns a **RemoveContactFromImListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **RemoveContactFromImListResponse** element is set to "NoError".

If the **RemoveContactFromImList** operation is not successful, it returns a **RemoveContactFromImListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **RemoveContactFromImListResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.24.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **RemoveContactFromImList** | The input data for the **RemoveContactFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **RemoveContactFromImListResponse** | The result data for the **RemoveContactFromImList** WSDL operation. |

###### RemoveContactFromImList

The **RemoveContactFromImList** element specifies the input data for the **RemoveContactFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="RemoveContactFromImList" type="tns:RemoveContactFromImListType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

###### RemoveContactFromImListResponse

The **RemoveContactFromImListResponse** element specifies the result data for the **RemoveContactFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="RemoveContactFromImListResponse" type="tns:RemoveContactFromImListResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

##### Complex Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **RemoveContactFromImListResponseMessageType** | Specifies the response message for a **RemoveContactFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **RemoveContactFromImListType** | Specifies a request to remove a [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) from an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) list. |

###### RemoveContactFromImListType

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

The **RemoveContactFromImListType** complex type specifies a request to remove a contact (3) from an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) list. The **RemoveContactFromImListType** complex type extends the **BaseRequestType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.17.

1. <xs:complexType name="RemoveContactFromImListType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:BaseRequestType">
4. <xs:sequence>
5. <xs:element name="ContactId" type="t:ItemIdType"/>
6. </xs:sequence>
7. </xs:extension>
8. </xs:complexContent>
9. </xs:complexType>

**ContactId:** An element of type **ItemIdType**, as defined in [[MS-OXWSCORE]](%5BMS-OXWSCORE%5D.pdf#Section_7a113138a0db4168a164bf8b05cc4e6d) section 2.2.4.25, that represents the identifier of the [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128).

###### RemoveContactFromImListResponseMessageType

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

The **RemoveContactFromImListResponseMessageType** complex type specifies the response message for a **RemoveContactFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). The **RemoveContactFromImListResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.66.

1. <xs:complexType name="RemoveContactFromImListResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:ResponseMessageType"/>
4. </xs:complexContent>
5. </xs:complexType>

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### RemoveDistributionGroupFromImList

The **RemoveDistributionGroupFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) removes a distribution group from an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) list.

The following is the [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) port type specification of the **RemoveDistributionGroupFromImList** WSDL operation.

1. <wsdl:operation name="RemoveDistributionGroupFromImList" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:input message="tns:RemoveDistributionGroupFromImListSoapIn"/>
3. <wsdl:output message="tns:RemoveDistributionGroupFromImListSoapOut"/>
4. </wsdl:operation>

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

1. <wsdl:operation name="RemoveDistributionGroupFromImList" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveDistributionGroupFromImList" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
3. <wsdl:input>
4. <soap:header message="tns:RemoveDistributionGroupFromImListSoapIn" part="Impersonation" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
5. <soap:header message="tns:RemoveDistributionGroupFromImListSoapIn" part="MailboxCulture" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
6. <soap:header message="tns:RemoveDistributionGroupFromImListSoapIn" part="RequestVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
7. <soap:body use="literal" parts="request" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
8. </wsdl:input>
9. <wsdl:output>
10. <soap:body use="literal" parts="RemoveDistributionGroupFromImListResult" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
11. <soap:header message="tns:RemoveDistributionGroupFromImListSoapOut" part="ServerVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
12. </wsdl:output>
13. </wsdl:operation>

The protocol client sends a **RemoveDistributionGroupFromImListSoapIn** request [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) and the protocol server responds with a **RemoveDistributionGroupFromImListSoapOut** response WSDL message.

##### Messages

The following table summarizes the set of [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **RemoveDistributionGroupFromImListSoapIn** | Specifies the request to remove a distribution group from the [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) list. |
| **RemoveDistributionGroupFromImListSoapOut** | Specifies the response to the **RemoveDistributionGroupFromImListSoapIn** request WSDL message. |

###### RemoveDistributionGroupFromImListSoapIn

The **RemoveDistributionGroupFromImListSoapIn** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the request to remove a distribution group from the [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) list.

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

1. <wsdl:message name="RemoveDistributionGroupFromImListSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="request" element="tns:RemoveDistributionGroupFromImList"/>
3. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
4. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
5. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
6. </wsdl:message>

The **RemoveDistributionGroupFromImListSoapIn** WSDL message is the input message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/RemoveDistributionGroupFromImList.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **request** | **RemoveDistributionGroupFromImList** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the request to remove the distribution group. |
| **Impersonation** | **ExchangeImpersonation**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.3) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the user whom the client is impersonating.  |
| **MailboxCulture** | **MailboxCulture**([MS-OXWSCDATA] section 2.2.3.6) | Specifies a SOAP header that identifies the culture to use to access the [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). The cultures are defined in [[RFC3066]](https://go.microsoft.com/fwlink/?LinkId=90404). |
| **RequestVersion** | **RequestServerVersion**([MS-OXWSCDATA] section 2.2.3.9) | Specifies a SOAP header that identifies the schema version for the **RemoveDistributionGroupFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request.  |

###### RemoveDistributionGroupFromImListSoapOut

The **RemoveDistributionGroupFromImListSoapOut** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the response to the **RemoveDistributionGroupFromImListSoapIn** request WSDL message.

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

1. <wsdl:message name="RemoveDistributionGroupFromImListSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="RemoveDistributionGroupFromImListResult" element="tns:RemoveDistributionGroupFromImListResponse"/>
3. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
4. </wsdl:message>

The **RemoveDistributionGroupFromImListSoapOut** WSDL message is the output message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/RemoveDistributionGroupFromImList.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **RemoveDistributionGroupFromImListResult** | **RemoveDistributionGroupFromImListResponse** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the response. |
| **ServerVersion** | **ServerVersionInfo**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.10) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the server version for the response. |

A successful **RemoveDistributionGroupFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request returns a **RemoveDistributionGroupFromImListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **RemoveDistributionGroupFromImListResponse** element is set to "NoError".

If the **RemoveDistributionGroupFromImList** WSDL operation is not successful, it returns a **RemoveDistributionGroupFromImListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **RemoveDistributionGroupFromImListResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.24.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **RemoveDistributionGroupFromImList** | The input data for the **RemoveDistributionGroupFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **RemoveDistributionGroupFromImListResponse** | The result data for the **RemoveDistributionGroupFromImList** WSDL operation. |

###### RemoveDistributionGroupFromImList

The **RemoveDistributionGroupFromImList** element specifies the input data for the **RemoveDistributionGroupFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="RemoveDistributionGroupFromImList" type="tns:RemoveDistributionGroupFromImListType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

###### RemoveDistributionGroupFromImListResponse

The **RemoveDistributionGroupFromImListResponse** element specifies the result data for the **RemoveDistributionGroupFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="RemoveDistributionGroupFromImListResponse" type="tns:RemoveDistributionGroupFromImListResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

##### Complex Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **RemoveDistributionGroupFromImListResponseMessageType** | Specifies the response message for a **RemoveDistributionGroupFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **RemoveDistributionGroupFromImListType** | Specifies a request to remove a distribution group from an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) list. |

###### RemoveDistributionGroupFromImListType

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

The **RemoveDistributionGroupFromImListType** complex type specifies a request to remove a distribution group from an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) list. The **RemoveDistributionGroupFromImListType** complex type extends the **BaseRequestType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.17.

1. <xs:complexType name="RemoveDistributionGroupFromImListType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:BaseRequestType">
4. <xs:sequence>
5. <xs:element name="GroupId" type="t:ItemIdType"/>
6. </xs:sequence>
7. </xs:extension>
8. </xs:complexContent>
9. </xs:complexType>

**GroupId:** An element of type **ItemIdType**, as defined in [[MS-OXWSCORE]](%5BMS-OXWSCORE%5D.pdf#Section_7a113138a0db4168a164bf8b05cc4e6d) section 2.2.4.25, that represents the identifier of the group.

###### RemoveDistributionGroupFromImListResponseMessageType

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

The **RemoveDistributionGroupFromImListResponseMessageType** complex type specifies the response message for a **RemoveDistributionGroupFromImList** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). The **RemoveDistributionGroupFromImListResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.66.

1. <xs:complexType name="RemoveDistributionGroupFromImListResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:ResponseMessageType"/>
4. </xs:complexContent>
5. </xs:complexType>

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### RemoveImContactFromGroup

The **RemoveImContactFromGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) removes an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) from a group if the contact (2) is only a member of the specified group, excluding the Tagged group. If the Tagged group is the specified group, and the contact (2) is a member of the Tagged group only, the contact (2) is removed.

The following is the [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) port type specification of the **RemoveImContactFromGroup** WSDL operation.

1. <wsdl:operation name="RemoveImContactFromGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:input message="tns:RemoveImContactFromGroupSoapIn"/>
3. <wsdl:output message="tns:RemoveImContactFromGroupSoapOut"/>
4. </wsdl:operation>

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

1. <wsdl:operation name="RemoveImContactFromGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImContactFromGroup" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
3. <wsdl:input>
4. <soap:header message="tns:RemoveImContactFromGroupSoapIn" part="Impersonation" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
5. <soap:header message="tns:RemoveImContactFromGroupSoapIn" part="MailboxCulture" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
6. <soap:header message="tns:RemoveImContactFromGroupSoapIn" part="RequestVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
7. <soap:body use="literal" parts="request" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
8. </wsdl:input>
9. <wsdl:output>
10. <soap:body use="literal" parts="RemoveImContactFromGroupResult" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
11. <soap:header message="tns:RemoveImContactFromGroupSoapOut" part="ServerVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
12. </wsdl:output>
13. </wsdl:operation>

The protocol client sends a **RemoveImContactFromGroupSoapIn** request [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) and the protocol server responds with a **RemoveImContactFromGroupSoapOut** response WSDL message.

##### Messages

The following table summarizes the set of [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **RemoveImContactFromGroupSoapIn** | Specifies the request to remove an instant messaging [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) from a group. |
| **RemoveImContactFromGroupSoapOut** | Specifies the response to the **RemoveImContactFromGroupSoapIn** request WSDL message. |

###### RemoveImContactFromGroupSoapIn

The **RemoveImContactFromGroupSoapIn** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the request to remove an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) from a group.

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

1. <wsdl:message name="RemoveImContactFromGroupSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="request" element="tns:RemoveImContactFromGroup"/>
3. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
4. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
5. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
6. </wsdl:message>

The **RemoveImContactFromGroupSoapIn** WSDL message is the input message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImContactFromGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **request** | **RemoveImContactFromGroup** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the request to remove an instant messaging contact (2). |
| **Impersonation** | **ExchangeImpersonation**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.3) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the user whom the client is impersonating.  |
| **MailboxCulture** | **MailboxCulture**([MS-OXWSCDATA] section 2.2.3.6) | Specifies a SOAP header that identifies the culture to use to access the [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). The cultures are defined in [[RFC3066]](https://go.microsoft.com/fwlink/?LinkId=90404). |
| **RequestVersion** | **RequestServerVersion**([MS-OXWSCDATA] section 2.2.3.9) | Specifies a SOAP header that identifies the schema version for the **RemoveImContactFromGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request.  |

###### RemoveImContactFromGroupSoapOut

The **RemoveImContactFromGroupSoapOut** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the response to the **RemoveImContactFromGroupSoapIn** request.

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

1. <wsdl:message name="RemoveImContactFromGroupSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="RemoveImContactFromGroupResult" element="tns:RemoveImContactFromGroupResponse"/>
3. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
4. </wsdl:message>

The **RemoveImContactFromGroupSoapOut** WSDL message is the output message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImContactFromGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **RemoveImContactFromGroupResult** | **RemoveImContactFromGroupResponse** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the response. |
| **ServerVersion** | **ServerVersionInfo**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.10) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the server version for the response. |

A successful **RemoveImContactFromGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request returns a **RemoveImContactFromGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **RemoveImContactFromGroupResponse** element is set to "NoError".

If the **RemoveImContactFromGroup** WSDL operation is not successful, it returns a **RemoveImContactFromGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **RemoveImContactFromGroupResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.24.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **RemoveImContactFromGroup** | The input data for the **RemoveImContactFromGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **RemoveImContactFromGroupResponse** | The result data for the **RemoveImContactFromGroup** WSDL operation. |

###### RemoveImContactFromGroup

The **RemoveImContactFromGroup** element specifies the input data for the **RemoveImContactFromGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="RemoveImContactFromGroup" type="tns:RemoveImContactFromGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

###### RemoveImContactFromGroupResponse

The **RemoveImContactFromGroupResponse** element specifies the result data for the **RemoveImContactFromGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="RemoveImContactFromGroupResponse" type="tns:RemoveImContactFromGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

##### Complex Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **RemoveImContactFromGroupResponseMessageType** | Specifies the response message for a **RemoveImContactFromGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **RemoveImContactFromGroupType** | Specifies a request to remove an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) from a group. |

###### RemoveImContactFromGroupType

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

The **RemoveImContactFromGroupType** complex type specifies a request to remove an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) from a group. The **RemoveImContactFromGroupType** complex type extends the **BaseRequestType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.17.

1. <xs:complexType name="RemoveImContactFromGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:BaseRequestType">
4. <xs:sequence>
5. <xs:element name="ContactId" type="t:ItemIdType"/>
6. <xs:element name="GroupId" type="t:ItemIdType"/>
7. </xs:sequence>
8. </xs:extension>
9. </xs:complexContent>
10. </xs:complexType>

**ContactId:** An element of type **ItemIdType**, as defined in [[MS-OXWSCORE]](%5BMS-OXWSCORE%5D.pdf#Section_7a113138a0db4168a164bf8b05cc4e6d) section 2.2.4.25, that represents the identifier of the contact (2).

**GroupId:** An element of type **ItemIdType**, as defined in [MS-OXWSCORE] section 2.2.4.25, that represents the identifier of the group.

###### RemoveImContactFromGroupResponseMessageType

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

The **RemoveImContactFromGroupResponseMessageType** complex type specifies the response message for a **RemoveImContactFromGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). The **RemoveImContactFromGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.66.

1. <xs:complexType name="RemoveImContactFromGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:ResponseMessageType"/>
4. </xs:complexContent>
5. </xs:complexType>

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### RemoveImGroup

The **RemoveImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) removes the [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group and all the [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) in the group. A contact (2) is deleted if it is a member of only the specified group, excluding the Tagged group. If the Tagged group is the specified group and the contact (2) is a member of the Tagged group only, the contact (2) is removed.

The following is the [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) port type specification of the **RemoveImGroup** WSDL operation.

1. <wsdl:operation name="RemoveImGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:input message="tns:RemoveImGroupSoapIn"/>
3. <wsdl:output message="tns:RemoveImGroupSoapOut"/>
4. </wsdl:operation>

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

1. <wsdl:operation name="RemoveImGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImGroup" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
3. <wsdl:input>
4. <soap:header message="tns:RemoveImGroupSoapIn" part="Impersonation" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
5. <soap:header message="tns:RemoveImGroupSoapIn" part="MailboxCulture" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
6. <soap:header message="tns:RemoveImGroupSoapIn" part="RequestVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
7. <soap:body use="literal" parts="request" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
8. </wsdl:input>
9. <wsdl:output>
10. <soap:body use="literal" parts="RemoveImGroupResult" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
11. <soap:header message="tns:RemoveImGroupSoapOut" part="ServerVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
12. </wsdl:output>
13. </wsdl:operation>

The protocol client sends a **RemoveImGroupSoapIn** request [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) and the protocol server responds with a **RemoveImGroupSoapOut** response WSDL message.

##### Messages

The following table summarizes the set of [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **RemoveImGroupSoapIn** | Specifies the request to remove an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group. |
| **RemoveImGroupSoapOut** | Specifies the response to the **RemoveImGroupSoapIn** request WSDL message. |

###### RemoveImGroupSoapIn

The **RemoveImGroupSoapIn** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the request to remove an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group.

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

1. <wsdl:message name="RemoveImGroupSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="request" element="tns:RemoveImGroup"/>
3. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
4. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
5. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
6. </wsdl:message>

The **RemoveImGroupSoapIn** WSDL message is the input message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **request** | **RemoveImGroup** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the request to remove an instant messaging group. |
| **Impersonation** | **ExchangeImpersonation**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.3) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the user whom the client is impersonating.  |
| **MailboxCulture** | **MailboxCulture**([MS-OXWSCDATA] section 2.2.3.6) | Specifies a SOAP header that identifies the culture to use to access the [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). The cultures are defined in [[RFC3066]](https://go.microsoft.com/fwlink/?LinkId=90404). |
| **RequestVersion** | **RequestServerVersion**([MS-OXWSCDATA] section 2.2.3.9) | Specifies a SOAP header that identifies the schema version for the **RemoveImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request.  |

###### RemoveImGroupSoapOut

The **RemoveImGroupSoapOut** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the response to the **RemoveImGroupSoapIn** request WSDL message.

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

1. <wsdl:message name="RemoveImGroupSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="RemoveImGroupResult" element="tns:RemoveImGroupResponse"/>
3. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
4. </wsdl:message>

The **RemoveImGroupSoapOut** WSDL message is the output message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **RemoveImGroupResult** | **RemoveImGroupResponse** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the response. |
| **ServerVersion** | **ServerVersionInfo**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.10) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the server version for the response. |

A successful **RemoveImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request returns a **RemoveImGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **RemoveImGroupResponse** element is set to "NoError".

If the **RemoveImGroup** WSDL operation is not successful, it returns a **RemoveImGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **RemoveImGroupResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.24.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **RemoveImGroup** | The input data for the **RemoveImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **RemoveImGroupResponse** | The result data for the **RemoveImGroup** WSDL operation. |

###### RemoveImGroup

The **RemoveImGroup** element specifies the input data for the **RemoveImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="RemoveImGroup" type="tns:RemoveImGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

###### RemoveImGroupResponse

The **RemoveImGroupResponse** element specifies the result data for the **RemoveImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="RemoveImGroupResponse" type="tns:RemoveImGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

##### Complex Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **RemoveImGroupResponseMessageType** | Specifies the response message for a **RemoveImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **RemoveImGroupType** | Specifies a request to remove an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group. |

###### RemoveImGroupType

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

The **RemoveImGroupType** complex type specifies a request to remove an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group. The **RemoveImGroupType** complex type extends the **BaseRequestType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.17.

1. <xs:complexType name="RemoveImGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:BaseRequestType">
4. <xs:sequence>
5. <xs:element name="GroupId" type="t:ItemIdType"/>
6. </xs:sequence>
7. </xs:extension>
8. </xs:complexContent>
9. </xs:complexType>

**GroupId:** An element of type **ItemIdType**, as defined in [[MS-OXWSCORE]](%5BMS-OXWSCORE%5D.pdf#Section_7a113138a0db4168a164bf8b05cc4e6d) section 2.2.4.25, that represents the identifier of the group.

###### RemoveImGroupResponseMessageType

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

The **RemoveImGroupResponseMessageType** complex type specifies the response message for a **RemoveImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). The **RemoveImGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.66.

1. <xs:complexType name="RemoveImGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:ResponseMessageType"/>
4. </xs:complexContent>
5. </xs:complexType>

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### SetImGroup

The **SetImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) changes the display name of an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group.

The following is the [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) port type specification of the **SetImGroup** WSDL operation.

1. <wsdl:operation name="SetImGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:input message="tns:SetImGroupSoapIn"/>
3. <wsdl:output message="tns:SetImGroupSoapOut"/>
4. </wsdl:operation>

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

1. <wsdl:operation name="SetImGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/SetImGroup" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
3. <wsdl:input>
4. <soap:header message="tns:SetImGroupSoapIn" part="Impersonation" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
5. <soap:header message="tns:SetImGroupSoapIn" part="MailboxCulture" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
6. <soap:header message="tns:SetImGroupSoapIn" part="RequestVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
7. <soap:body use="literal" parts="request" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
8. </wsdl:input>
9. <wsdl:output>
10. <soap:body use="literal" parts="SetImGroupResult" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
11. <soap:header message="tns:SetImGroupSoapOut" part="ServerVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
12. </wsdl:output>
13. </wsdl:operation>

The protocol client sends a **SetImGroupSoapIn** request [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) and the protocol server responds with a **SetImGroupSoapOut** response WSDL message.

##### Messages

The following table summarizes the set of [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **SetImGroupSoapIn** | Specifies the request to set the display name of an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group. |
| **SetImGroupSoapOut** | Specifies the response to the **SetImGroupSoapIn** request WSDL message. |

###### SetImGroupSoapIn

The **SetImGroupSoapIn** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the request to set the display name of an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group.

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

1. <wsdl:message name="SetImGroupSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="request" element="tns:SetImGroup"/>
3. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
4. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
5. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
6. </wsdl:message>

The **SetImGroupSoapIn** WSDL message is the input message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/SetImGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **request** | **SetImGroup** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the request to set the display name of an instant messaging group. |
| **Impersonation** | **ExchangeImpersonation**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.3) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the user whom the client is impersonating.  |
| **MailboxCulture** | **MailboxCulture**([MS-OXWSCDATA] section 2.2.3.6) | Specifies a SOAP header that identifies the culture to use to access the [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). The cultures are defined in [[RFC3066]](https://go.microsoft.com/fwlink/?LinkId=90404). |
| **RequestVersion** | **RequestServerVersion**([MS-OXWSCDATA] section 2.2.3.9) | Specifies a SOAP header that identifies the schema version for the **SetImGroup** WSDL message request.  |

###### SetImGroupSoapOut

The **SetImGroupSoapOut** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the response to the **SetImGroupSoapIn** request WSDL message.

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

1. <wsdl:message name="SetImGroupSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="SetImGroupResult" element="tns:SetImGroupResponse"/>
3. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
4. </wsdl:message>

The **SetImGroupSoapOut** WSDL message is the output message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/SetImGroup.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **SetImGroupResult** | **SetImGroupResponse** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the response. |
| **ServerVersion** | **ServerVersionInfo**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.10) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the server version for the response. |

A successful **SetImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request returns a **SetImGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **SetImGroupResponse** element is set to "NoError".

If the **SetImGroup** WSDL operation is not successful, it returns a **SetImGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **SetImGroupResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.24.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **SetImGroup** | The input data for the **SetImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **SetImGroupResponse** | The result data for the **SetImGroup** WSDL operation. |

###### SetImGroup

The **SetImGroup** element specifies the input data for the **SetImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="SetImGroup" type="tns:SetImGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

###### SetImGroupResponse

The **SetImGroupResponse** element specifies the result data for the **SetImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="SetImGroupResponse" type="tns:SetImGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

##### Complex Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **SetImGroupResponseMessageType** | Specifies the response message for a **SetImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **SetImGroupType** | Specifies a request to set the display name of an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group. |

###### SetImGroupType

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

The **SetImGroupType** complex type specifies a request to set the display name of an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group The **SetImGroupType** complex type extends the **BaseRequestType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.17.

1. <xs:complexType name="SetImGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:BaseRequestType">
4. <xs:sequence>
5. <xs:element name="GroupId" type="t:ItemIdType"/>
6. <xs:element name="NewDisplayName" type="t:NonEmptyStringType"/>
7. </xs:sequence>
8. </xs:extension>
9. </xs:complexContent>
10. </xs:complexType>

**GroupId:** An element of type **ItemIdType**, as defined in [[MS-OXWSCORE]](%5BMS-OXWSCORE%5D.pdf#Section_7a113138a0db4168a164bf8b05cc4e6d) section 2.2.4.25, that represents the identifier of the group.

**NewDisplayName:** An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the new display name of the instant messaging group.

###### SetImGroupResponseMessageType

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

The **SetImGroupResponseMessageType** complex type specifies the response message for a **SetImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). The **SetImGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.66.

1. <xs:complexType name="SetImGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:ResponseMessageType"/>
4. </xs:complexContent>
5. </xs:complexType>

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### SetImListMigrationCompleted

The **SetImListMigrationCompleted** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) indicates whether the [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) in a [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3) have been migrated to the server.

The following is the [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) port type specification of the **SetImListMigrationCompleted** WSDL operation.

1. <wsdl:operation name="SetImListMigrationCompleted" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:input message="tns:SetImListMigrationCompletedSoapIn"/>
3. <wsdl:output message="tns:SetImListMigrationCompletedSoapOut"/>
4. </wsdl:operation>

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

1. <wsdl:operation name="SetImListMigrationCompleted" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/SetImListMigrationCompleted" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
3. <wsdl:input>
4. <soap:header message="tns:SetImListMigrationCompletedSoapIn" part="Impersonation" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
5. <soap:header message="tns:SetImListMigrationCompletedSoapIn" part="MailboxCulture" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
6. <soap:header message="tns:SetImListMigrationCompletedSoapIn" part="RequestVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
7. <soap:body use="literal" parts="request" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
8. </wsdl:input>
9. <wsdl:output>
10. <soap:body use="literal" parts="SetImListMigrationCompletedResult" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
11. <soap:header message="tns:SetImListMigrationCompletedSoapOut" part="ServerVersion" use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
12. </wsdl:output>
13. </wsdl:operation>

When the user's mailbox has been migrated to Unified Contact Store (UCS) mode, the **ImListMigrationCompleted** property (as defined in section [3.1.4.13.3.1](#Section_83aa3bcc22344b859c0c7511758bada4)) is set on the user's [**Active Directory object**](#gt_90d448cf-8d8e-44e7-a9dc-675c4c99400f).

The protocol client sends a **SetImListMigrationCompletedSoapIn** request [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) and the protocol server responds with a **SetImListMigrationCompletedSoapOut** response WSDL message.

##### Messages

The following table summarizes the set of [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **SetImListMigrationCompletedSoapIn** | Specifies the request to indicate whether the migration of the [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to the server is complete. |
| **SetImListMigrationCompletedSoapOut** | Specifies the response to the **SetImListMigrationCompletedSoapIn** request WSDL message. |

###### SetImListMigrationCompletedSoapIn

The **SetImListMigrationCompletedSoapIn** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the request to indicate whether the migration of the [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) [**contacts (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to the server is complete.

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

1. <wsdl:message name="SetImListMigrationCompletedSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="request" element="tns:SetImListMigrationCompleted"/>
3. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
4. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
5. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
6. </wsdl:message>

The **SetImListMigrationCompletedSoapIn** WSDL message is the input message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/SetImListMigrationCompleted.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **request** | **SetImListMigrationCompleted** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the request to indicate if the migration is complete. |
| **Impersonation** | **ExchangeImpersonation**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.3) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the user whom the client is impersonating.  |
| **MailboxCulture** | **MailboxCulture**([MS-OXWSCDATA] section 2.2.3.6) | Specifies a SOAP header that identifies the culture to use to access the [**mailbox**](#gt_d3ad0e15-adc9-4174-bacf-d929b57278b3). The cultures are defined in [[RFC3066]](https://go.microsoft.com/fwlink/?LinkId=90404). |
| **RequestVersion** | **RequestServerVersion**([MS-OXWSCDATA] section 2.2.3.9) | Specifies a SOAP header that identifies the schema version for the **SetImListMigrationCompleted** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request.  |

###### SetImListMigrationCompletedSoapOut

The **SetImListMigrationCompletedSoapOut** [**WSDL message**](#gt_d5ccdf11-3f53-4118-a845-dfaca61838fb) specifies the response to the **SetImListMigrationCompletedSoapIn** request WSDL message.

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

1. <wsdl:message name="SetImListMigrationCompletedSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
2. <wsdl:part name="SetImListMigrationCompletedResult" element="tns:SetImListMigrationCompletedResponse"/>
3. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
4. </wsdl:message>

The **SetImListMigrationCompletedSoapOut** WSDL message is the output message for the [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3) http://schemas.microsoft.com/exchange/services/2006/messages/SetImListMigrationCompleted.

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

| Part name | Element/type | Description |
| --- | --- | --- |
| **SetImListMigrationCompletedResult** | **SetImListMigrationCompletedResponse** | Specifies the [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) of the response. |
| **ServerVersion** | **ServerVersionInfo**([[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.3.10) | Specifies a [**SOAP header**](#gt_093a0af2-e71c-40fc-a484-d2f802da0277) that identifies the server version for the response. |

A successful **SetImListMigrationCompleted** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request returns a **SetImListMigrationCompletedResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **SetImListMigrationCompletedResponse** element is set to "NoError".

If the **SetImListMigrationCompleted** WSDL operation is not successful, it returns a **SetImListMigrationCompletedResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.66) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.66) element of the **SetImListMigrationCompletedResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.24.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **SetImListMigrationCompleted** | The input data for the **SetImListMigrationCompleted** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **SetImListMigrationCompletedResponse** | The result data for the **SetImListMigrationCompleted** WSDL operation. |

###### SetImListMigrationCompleted

The **SetImListMigrationCompleted** element specifies the input data for the **SetImListMigrationCompleted** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="SetImListMigrationCompleted" type="tns:SetImListMigrationCompletedType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

###### SetImListMigrationCompletedResponse

The **SetImListMigrationCompletedResponse** element specifies the result data for the **SetImListMigrationCompleted** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299).

1. <xs:element name="SetImListMigrationCompletedResponse" type="tns:SetImListMigrationCompletedResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>

##### Complex Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **SetImListMigrationCompletedResponseMessageType** | Specifies the response message for the **SetImListMigrationCompleted** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). |
| **SetImListMigrationCompletedType** | Specifies whether the migration of a [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) list from the server to an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) system is complete. |

###### SetImListMigrationCompletedType

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

The **SetImListMigrationCompletedtype** complex type specifies whether the migration of a contact (3) list from the server to an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) system is complete. The **SetImListMigrationCompletedType** complex type extends the **BaseRequestType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.17.

1. <xs:complexType name="SetImListMigrationCompletedType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:BaseRequestType">
4. <xs:sequence>
5. <xs:element name="ImListMigrationCompleted" type="xs:boolean"/>
6. </xs:sequence>
7. </xs:extension>
8. </xs:complexContent>
9. </xs:complexType>

**ImListMigrationCompleted:** An element of type **xs:boolean**, as defined in [[XMLSCHEMA2]](https://go.microsoft.com/fwlink/?LinkId=90610), that indicates whether the migration is complete.

###### SetImListMigrationCompletedResponseMessageType

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

The **SetImListMigrationCompletedResponseMessageType** complex type specifies the response message for the **SetImListMigrationCompleted** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299). The **SetImListMigrationCompletedResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 2.2.4.66.

1. <xs:complexType name="SetImListMigrationCompletedResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
2. <xs:complexContent mixed="false">
3. <xs:extension base="tns:ResponseMessageType"/>
4. </xs:complexContent>
5. </xs:complexType>

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

### Timer Events

None.

### Other Local Events

None.

# Protocol Examples

The following example of an **AddImGroup** [**WSDL operation**](#gt_3f81265d-5456-4bfe-b795-ac5bf522b299) request shows how to create an [**instant messaging**](#gt_3b63f1bd-6488-4341-9bb3-1137baccff90) group named MyCustomerGroup.

1. <?xml version="1.0" encoding="UTF-8"?>
2. <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
3. xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
4. xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages">
5. <soap:Header>
6. <t:RequestServerVersion Version="Exchange2013" />
7. <t:MailboxCulture>en-US</t:MailboxCulture>
8. </soap:Header>
9. <soap:Body >
10. <m:AddImGroup>
11. <m:DisplayName>MyCustomGroup</m:DisplayName>
12. </m:AddImGroup>
13. </soap:Body>
14. </soap:Envelope>

The following example shows a successful response to an **AddImGroup** WSDL operation request. The store identifier has been shortened to preserve readability.

1. <?xml version="1.0" encoding="utf-8"?>
2. <s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
3. <s:Header>
4. <h:ServerVersionInfo MajorVersion="15"
5. MinorVersion="0"
6. MajorBuildNumber="349"
7. MinorBuildNumber="0"
8. Version="Exchange2013"
9. xmlns:h="http://schemas.microsoft.com/exchange/services/2006/types"
10. xmlns="http://schemas.microsoft.com/exchange/services/2006/types"
11. xmlns:xsd="http://www.w3.org/2001/XMLSchema"
12. xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
13. </s:Header>
14. <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
15. xmlns:xsd="http://www.w3.org/2001/XMLSchema">
16. <AddImGroupResponse ResponseClass="Success"
17. xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
18. <ResponseCode>NoError</ResponseCode>
19. <ImGroup>
20. <DisplayName xmlns="http://schemas.microsoft.com/exchange/services/2006/types">MyCustomGroup</DisplayName>
21. <GroupType xmlns="http://schemas.microsoft.com/exchange/services/2006/types">IPM.DistList.MOC.UserGroup</GroupType>
22. <ExchangeStoreId Id="AAMkAGQ1MjJjMTBkLTc4Y2UtNDA5Ny04ZjU5LWI3MAAA="
23. ChangeKey="EgAAAA=="
24. xmlns="http://schemas.microsoft.com/exchange/services/2006/types"/>
25. </ImGroup>
26. </AddImGroupResponse>
27. </s:Body>
28. </s:Envelope>

The following example shows how to add a [**contact (2)**](#gt_48d3e923-3081-4b1c-a8b4-db07cc022128) to an instant messaging group. The group and contact identifiers have been shortened to preserve readability.

1. <?xml version="1.0" encoding="UTF-8"?>
2. <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
3. xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
4. xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages">
5. <soap:Header>
6. <t:RequestServerVersion Version="Exchange2013" />
7. <t:MailboxCulture>en-US</t:MailboxCulture>
8. </soap:Header>
9. <soap:Body >
10. <m:AddImContactToGroup>
11. <m:ContactId Id="AAMkAGQ1MjJjMTBkLTc4Y2AA="
12. ChangeKey="EQAAABYAAABtF8oI7i"/>
13. <m:GroupId Id="AAMkAGQ1MjJjMTBkzzAAAQKAAA="
14. ChangeKey="EgAAAA=="/>
15. </m:AddImContactToGroup>
16. </soap:Body>
17. </soap:Envelope>

The following example shows a successful response to an **AddImContactToGroup** WSDL operation request.

1. <?xml version="1.0" encoding="utf-8"?>
2. <s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
3. <s:Header>
4. <h:ServerVersionInfo MajorVersion="15"
5. MinorVersion="0"
6. MajorBuildNumber="349"
7. MinorBuildNumber="0"
8. Version="Exchange2013"
9. xmlns:h="http://schemas.microsoft.com/exchange/services/2006/types"
10. xmlns="http://schemas.microsoft.com/exchange/services/2006/types"
11. xmlns:xsd="http://www.w3.org/2001/XMLSchema"
12. xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
13. </s:Header>
14. <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
15. xmlns:xsd="http://www.w3.org/2001/XMLSchema">
16. <AddImContactToGroupResponse ResponseClass="Success"
17. xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
18. <ResponseCode>NoError</ResponseCode>
19. </AddImContactToGroupResponse>
20. </s:Body>
21. </s:Envelope>

The following example of a **RemoveImGroup** WSDL operation request shows how to remove an instant messaging group. The group identifier has been shortened to preserve readability,

1. <?xml version="1.0" encoding="UTF-8"?>
2. <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
3. xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
4. xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages">
5. <soap:Header>
6. <t:RequestServerVersion Version="Exchange2013" />
7. <t:MailboxCulture>en-US</t:MailboxCulture>
8. </soap:Header>
9. <soap:Body >
10. <m:RemoveImGroup>
11. <m:GroupId Id="AAMkAGQ1MjJjMTBkLTc4Y2UtNDA5hQoTbWAAAAAAQRAAA="
12. ChangeKey="EgAAAA=="/>
13. </m:RemoveImGroup>
14. </soap:Body>
15. </soap:Envelope>

The following example shows a successful response to a **RemoveImGroup** WSDL operation request.

1. <?xml version="1.0" encoding="utf-8"?>
2. <s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
3. <s:Header>
4. <h:ServerVersionInfo MajorVersion="15"
5. MinorVersion="0"
6. MajorBuildNumber="349"
7. MinorBuildNumber="0"
8. Version="Exchange2013"
9. xmlns:h="http://schemas.microsoft.com/exchange/services/2006/types"
10. xmlns="http://schemas.microsoft.com/exchange/services/2006/types"
11. xmlns:xsd="http://www.w3.org/2001/XMLSchema"
12. xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
13. </s:Header>
14. <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
15. xmlns:xsd="http://www.w3.org/2001/XMLSchema">
16. <RemoveImGroupResponse ResponseClass="Success"
17. xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
18. <ResponseCode>NoError</ResponseCode>
19. </RemoveImGroupResponse>
20. </s:Body>
21. </s:Envelope>

# Security

## Security Considerations for Implementers

None.

## Index of Security Parameters

None.

# Appendix A: Full WSDL

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

1. <?xml version="1.0" encoding="UTF-8"?>
2. <wsdl:definitions xmlns:tns="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/">
3. <wsdl:types>
4. <xs:schema elementFormDefault="qualified" targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages" version="Exchange2015" id="messages" xmlns:xs="http://www.w3.org/2001/XMLSchema">
5. <xs:include schemaLocation="MS-OXWSCOS-messages.xsd"/>
6. </xs:schema>
7. </wsdl:types>
8. <wsdl:portType name="ExchangeServicePortType">
9. <wsdl:operation name="AddDistributionGroupToImList">
10. <wsdl:input message="tns:AddDistributionGroupToImListSoapIn"/>
11. <wsdl:output message="tns:AddDistributionGroupToImListSoapOut"/>
12. </wsdl:operation>
13. <wsdl:operation name="AddImContactToGroup">
14. <wsdl:input message="tns:AddImContactToGroupSoapIn"/>
15. <wsdl:output message="tns:AddImContactToGroupSoapOut"/>
16. </wsdl:operation>
17. <wsdl:operation name="AddImGroup">
18. <wsdl:input message="tns:AddImGroupSoapIn"/>
19. <wsdl:output message="tns:AddImGroupSoapOut"/>
20. </wsdl:operation>
21. <wsdl:operation name="AddNewImContactToGroup">
22. <wsdl:input message="tns:AddNewImContactToGroupSoapIn"/>
23. <wsdl:output message="tns:AddNewImContactToGroupSoapOut"/>
24. </wsdl:operation>
25. <wsdl:operation name="AddNewTelUriContactToGroup">
26. <wsdl:input message="tns:AddNewTelUriContactToGroupSoapIn"/>
27. <wsdl:output message="tns:AddNewTelUriContactToGroupSoapOut"/>
28. </wsdl:operation>
29. <wsdl:operation name="GetImItemList">
30. <wsdl:input message="tns:GetImItemListSoapIn"/>
31. <wsdl:output message="tns:GetImItemListSoapOut"/>
32. </wsdl:operation>
33. <wsdl:operation name="GetImItems">
34. <wsdl:input message="tns:GetImItemsSoapIn"/>
35. <wsdl:output message="tns:GetImItemsSoapOut"/>
36. </wsdl:operation>
37. <wsdl:operation name="RemoveContactFromImList">
38. <wsdl:input message="tns:RemoveContactFromImListSoapIn"/>
39. <wsdl:output message="tns:RemoveContactFromImListSoapOut"/>
40. </wsdl:operation>
41. <wsdl:operation name="RemoveDistributionGroupFromImList">
42. <wsdl:input message="tns:RemoveDistributionGroupFromImListSoapIn"/>
43. <wsdl:output message="tns:RemoveDistributionGroupFromImListSoapOut"/>
44. </wsdl:operation>
45. <wsdl:operation name="RemoveImContactFromGroup">
46. <wsdl:input message="tns:RemoveImContactFromGroupSoapIn"/>
47. <wsdl:output message="tns:RemoveImContactFromGroupSoapOut"/>
48. </wsdl:operation>
49. <wsdl:operation name="RemoveImGroup">
50. <wsdl:input message="tns:RemoveImGroupSoapIn"/>
51. <wsdl:output message="tns:RemoveImGroupSoapOut"/>
52. </wsdl:operation>
53. <wsdl:operation name="SetImGroup">
54. <wsdl:input message="tns:SetImGroupSoapIn"/>
55. <wsdl:output message="tns:SetImGroupSoapOut"/>
56. </wsdl:operation>
57. <wsdl:operation name="SetImListMigrationCompleted">
58. <wsdl:input message="tns:SetImListMigrationCompletedSoapIn"/>
59. <wsdl:output message="tns:SetImListMigrationCompletedSoapOut"/>
60. </wsdl:operation>
61. </wsdl:portType>
62. <wsdl:binding name="ExchangeServiceBinding" type="tns:ExchangeServicePortType">
63. <wsdl:documentation>
64. <wsi:Claim conformsTo="http://ws-i.org/profiles/basic/1.0" xmlns:wsi="http://ws-i.org/schemas/conformanceClaim/"/>
65. </wsdl:documentation>
66. <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
67. <wsdl:operation name="AddDistributionGroupToImList">
68. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddDistributionGroupToImList"/>
69. <wsdl:input>
70. <soap:header message="tns:AddDistributionGroupToImListSoapIn" part="Impersonation" use="literal"/>
71. <soap:header message="tns:AddDistributionGroupToImListSoapIn" part="MailboxCulture" use="literal"/>
72. <soap:header message="tns:AddDistributionGroupToImListSoapIn" part="RequestVersion" use="literal"/>
73. <soap:body use="literal" parts="request"/>
74. </wsdl:input>
75. <wsdl:output>
76. <soap:body use="literal" parts="AddDistributionGroupToImListResult"/>
77. <soap:header message="tns:AddDistributionGroupToImListSoapOut" part="ServerVersion" use="literal"/>
78. </wsdl:output>
79. </wsdl:operation>
80. <wsdl:operation name="AddImContactToGroup">
81. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddImContactToGroup"/>
82. <wsdl:input>
83. <soap:header message="tns:AddImContactToGroupSoapIn" part="Impersonation" use="literal"/>
84. <soap:header message="tns:AddImContactToGroupSoapIn" part="MailboxCulture" use="literal"/>
85. <soap:header message="tns:AddImContactToGroupSoapIn" part="RequestVersion" use="literal"/>
86. <soap:body use="literal" parts="request"/>
87. </wsdl:input>
88. <wsdl:output>
89. <soap:body use="literal" parts="AddImContactToGroupResult"/>
90. <soap:header message="tns:AddImContactToGroupSoapOut" part="ServerVersion" use="literal"/>
91. </wsdl:output>
92. </wsdl:operation>
93. <wsdl:operation name="AddImGroup">
94. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddImGroup"/>
95. <wsdl:input>
96. <soap:header message="tns:AddImGroupSoapIn" part="Impersonation" use="literal"/>
97. <soap:header message="tns:AddImGroupSoapIn" part="MailboxCulture" use="literal"/>
98. <soap:header message="tns:AddImGroupSoapIn" part="RequestVersion" use="literal"/>
99. <soap:body use="literal" parts="request"/>
100. </wsdl:input>
101. <wsdl:output>
102. <soap:body use="literal" parts="AddImGroupResult"/>
103. <soap:header message="tns:AddImGroupSoapOut" part="ServerVersion" use="literal"/>
104. </wsdl:output>
105. </wsdl:operation>
106. <wsdl:operation name="AddNewImContactToGroup">
107. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddNewImContactToGroup"/>
108. <wsdl:input>
109. <soap:header message="tns:AddNewImContactToGroupSoapIn" part="Impersonation" use="literal"/>
110. <soap:header message="tns:AddNewImContactToGroupSoapIn" part="MailboxCulture" use="literal"/>
111. <soap:header message="tns:AddNewImContactToGroupSoapIn" part="RequestVersion" use="literal"/>
112. <soap:body use="literal" parts="request"/>
113. </wsdl:input>
114. <wsdl:output>
115. <soap:body use="literal" parts="AddNewImContactToGroupResult"/>
116. <soap:header message="tns:AddNewImContactToGroupSoapOut" part="ServerVersion" use="literal"/>
117. </wsdl:output>
118. </wsdl:operation>
119. <wsdl:operation name="AddNewTelUriContactToGroup">
120. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddNewTelUriContactToGroup"/>
121. <wsdl:input>
122. <soap:header message="tns:AddNewTelUriContactToGroupSoapIn" part="Impersonation" use="literal"/>
123. <soap:header message="tns:AddNewTelUriContactToGroupSoapIn" part="MailboxCulture" use="literal"/>
124. <soap:header message="tns:AddNewTelUriContactToGroupSoapIn" part="RequestVersion" use="literal"/>
125. <soap:body use="literal" parts="request"/>
126. </wsdl:input>
127. <wsdl:output>
128. <soap:body use="literal" parts="AddNewTelUriContactToGroupResult"/>
129. <soap:header message="tns:AddNewTelUriContactToGroupSoapOut" part="ServerVersion" use="literal"/>
130. </wsdl:output>
131. </wsdl:operation>
132. <wsdl:operation name="GetImItemList">
133. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetImItemList"/>
134. <wsdl:input>
135. <soap:header message="tns:GetImItemListSoapIn" part="Impersonation" use="literal"/>
136. <soap:header message="tns:GetImItemListSoapIn" part="MailboxCulture" use="literal"/>
137. <soap:header message="tns:GetImItemListSoapIn" part="RequestVersion" use="literal"/>
138. <soap:body use="literal" parts="request"/>
139. </wsdl:input>
140. <wsdl:output>
141. <soap:body use="literal" parts="GetImItemListResult"/>
142. <soap:header message="tns:GetImItemListSoapOut" part="ServerVersion" use="literal"/>
143. </wsdl:output>
144. </wsdl:operation>
145. <wsdl:operation name="GetImItems">
146. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetImItems"/>
147. <wsdl:input>
148. <soap:header message="tns:GetImItemsSoapIn" part="Impersonation" use="literal"/>
149. <soap:header message="tns:GetImItemsSoapIn" part="MailboxCulture" use="literal"/>
150. <soap:header message="tns:GetImItemsSoapIn" part="RequestVersion" use="literal"/>
151. <soap:body use="literal" parts="request"/>
152. </wsdl:input>
153. <wsdl:output>
154. <soap:body use="literal" parts="GetImItemsResult"/>
155. <soap:header message="tns:GetImItemsSoapOut" part="ServerVersion" use="literal"/>
156. </wsdl:output>
157. </wsdl:operation>
158. <wsdl:operation name="RemoveContactFromImList">
159. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveContactFromImList"/>
160. <wsdl:input>
161. <soap:header message="tns:RemoveContactFromImListSoapIn" part="Impersonation" use="literal"/>
162. <soap:header message="tns:RemoveContactFromImListSoapIn" part="MailboxCulture" use="literal"/>
163. <soap:header message="tns:RemoveContactFromImListSoapIn" part="RequestVersion" use="literal"/>
164. <soap:body use="literal" parts="request"/>
165. </wsdl:input>
166. <wsdl:output>
167. <soap:body use="literal" parts="RemoveContactFromImListResult"/>
168. <soap:header message="tns:RemoveContactFromImListSoapOut" part="ServerVersion" use="literal"/>
169. </wsdl:output>
170. </wsdl:operation>
171. <wsdl:operation name="RemoveDistributionGroupFromImList">
172. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveDistributionGroupFromImList"/>
173. <wsdl:input>
174. <soap:header message="tns:RemoveDistributionGroupFromImListSoapIn" part="Impersonation" use="literal"/>
175. <soap:header message="tns:RemoveDistributionGroupFromImListSoapIn" part="MailboxCulture" use="literal"/>
176. <soap:header message="tns:RemoveDistributionGroupFromImListSoapIn" part="RequestVersion" use="literal"/>
177. <soap:body use="literal" parts="request"/>
178. </wsdl:input>
179. <wsdl:output>
180. <soap:body use="literal" parts="RemoveDistributionGroupFromImListResult"/>
181. <soap:header message="tns:RemoveDistributionGroupFromImListSoapOut" part="ServerVersion" use="literal"/>
182. </wsdl:output>
183. </wsdl:operation>
184. <wsdl:operation name="RemoveImContactFromGroup">
185. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImContactFromGroup"/>
186. <wsdl:input>
187. <soap:header message="tns:RemoveImContactFromGroupSoapIn" part="Impersonation" use="literal"/>
188. <soap:header message="tns:RemoveImContactFromGroupSoapIn" part="MailboxCulture" use="literal"/>
189. <soap:header message="tns:RemoveImContactFromGroupSoapIn" part="RequestVersion" use="literal"/>
190. <soap:body use="literal" parts="request"/>
191. </wsdl:input>
192. <wsdl:output>
193. <soap:body use="literal" parts="RemoveImContactFromGroupResult"/>
194. <soap:header message="tns:RemoveImContactFromGroupSoapOut" part="ServerVersion" use="literal"/>
195. </wsdl:output>
196. </wsdl:operation>
197. <wsdl:operation name="RemoveImGroup">
198. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImGroup"/>
199. <wsdl:input>
200. <soap:header message="tns:RemoveImGroupSoapIn" part="Impersonation" use="literal"/>
201. <soap:header message="tns:RemoveImGroupSoapIn" part="MailboxCulture" use="literal"/>
202. <soap:header message="tns:RemoveImGroupSoapIn" part="RequestVersion" use="literal"/>
203. <soap:body use="literal" parts="request"/>
204. </wsdl:input>
205. <wsdl:output>
206. <soap:body use="literal" parts="RemoveImGroupResult"/>
207. <soap:header message="tns:RemoveImGroupSoapOut" part="ServerVersion" use="literal"/>
208. </wsdl:output>
209. </wsdl:operation>
210. <wsdl:operation name="SetImGroup">
211. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/SetImGroup"/>
212. <wsdl:input>
213. <soap:header message="tns:SetImGroupSoapIn" part="Impersonation" use="literal"/>
214. <soap:header message="tns:SetImGroupSoapIn" part="MailboxCulture" use="literal"/>
215. <soap:header message="tns:SetImGroupSoapIn" part="RequestVersion" use="literal"/>
216. <soap:body use="literal" parts="request"/>
217. </wsdl:input>
218. <wsdl:output>
219. <soap:body use="literal" parts="SetImGroupResult"/>
220. <soap:header message="tns:SetImGroupSoapOut" part="ServerVersion" use="literal"/>
221. </wsdl:output>
222. </wsdl:operation>
223. <wsdl:operation name="SetImListMigrationCompleted">
224. <soap:operation soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/SetImListMigrationCompleted"/>
225. <wsdl:input>
226. <soap:header message="tns:SetImListMigrationCompletedSoapIn" part="Impersonation" use="literal"/>
227. <soap:header message="tns:SetImListMigrationCompletedSoapIn" part="MailboxCulture" use="literal"/>
228. <soap:header message="tns:SetImListMigrationCompletedSoapIn" part="RequestVersion" use="literal"/>
229. <soap:body use="literal" parts="request"/>
230. </wsdl:input>
231. <wsdl:output>
232. <soap:body use="literal" parts="SetImListMigrationCompletedResult"/>
233. <soap:header message="tns:SetImListMigrationCompletedSoapOut" part="ServerVersion" use="literal"/>
234. </wsdl:output>
235. </wsdl:operation>
236. </wsdl:binding>
237. <wsdl:message name="AddDistributionGroupToImListSoapIn">
238. <wsdl:part name="request" element="tns:AddDistributionGroupToImList"/>
239. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
240. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
241. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
242. </wsdl:message>
243. <wsdl:message name="AddDistributionGroupToImListSoapOut">
244. <wsdl:part name="AddDistributionGroupToImListResult" element="tns:AddDistributionGroupToImListResponse"/>
245. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
246. </wsdl:message>
247. <wsdl:message name="AddImContactToGroupSoapIn">
248. <wsdl:part name="request" element="tns:AddImContactToGroup"/>
249. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
250. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
251. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
252. </wsdl:message>
253. <wsdl:message name="AddImContactToGroupSoapOut">
254. <wsdl:part name="AddImContactToGroupResult" element="tns:AddImContactToGroupResponse"/>
255. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
256. </wsdl:message>
257. <wsdl:message name="AddImGroupSoapIn">
258. <wsdl:part name="request" element="tns:AddImGroup"/>
259. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
260. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
261. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
262. </wsdl:message>
263. <wsdl:message name="AddImGroupSoapOut">
264. <wsdl:part name="AddImGroupResult" element="tns:AddImGroupResponse"/>
265. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
266. </wsdl:message>
267. <wsdl:message name="AddNewImContactToGroupSoapIn">
268. <wsdl:part name="request" element="tns:AddNewImContactToGroup"/>
269. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
270. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
271. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
272. </wsdl:message>
273. <wsdl:message name="AddNewImContactToGroupSoapOut">
274. <wsdl:part name="AddNewImContactToGroupResult" element="tns:AddNewImContactToGroupResponse"/>
275. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
276. </wsdl:message>
277. <wsdl:message name="AddNewTelUriContactToGroupSoapIn">
278. <wsdl:part name="request" element="tns:AddNewTelUriContactToGroup"/>
279. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
280. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
281. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
282. </wsdl:message>
283. <wsdl:message name="AddNewTelUriContactToGroupSoapOut">
284. <wsdl:part name="AddNewTelUriContactToGroupResult" element="tns:AddNewTelUriContactToGroupResponse"/>
285. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
286. </wsdl:message>
287. <wsdl:message name="GetImItemListSoapIn">
288. <wsdl:part name="request" element="tns:GetImItemList"/>
289. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
290. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
291. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
292. </wsdl:message>
293. <wsdl:message name="GetImItemListSoapOut">
294. <wsdl:part name="GetImItemListResult" element="tns:GetImItemListResponse"/>
295. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
296. </wsdl:message>
297. <wsdl:message name="GetImItemsSoapIn">
298. <wsdl:part name="request" element="tns:GetImItems"/>
299. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
300. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
301. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
302. </wsdl:message>
303. <wsdl:message name="GetImItemsSoapOut">
304. <wsdl:part name="GetImItemsResult" element="tns:GetImItemsResponse"/>
305. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
306. </wsdl:message>
307. <wsdl:message name="RemoveContactFromImListSoapIn">
308. <wsdl:part name="request" element="tns:RemoveContactFromImList"/>
309. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
310. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
311. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
312. </wsdl:message>
313. <wsdl:message name="RemoveContactFromImListSoapOut">
314. <wsdl:part name="RemoveContactFromImListResult" element="tns:RemoveContactFromImListResponse"/>
315. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
316. </wsdl:message>
317. <wsdl:message name="RemoveDistributionGroupFromImListSoapIn">
318. <wsdl:part name="request" element="tns:RemoveDistributionGroupFromImList"/>
319. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
320. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
321. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
322. </wsdl:message>
323. <wsdl:message name="RemoveDistributionGroupFromImListSoapOut">
324. <wsdl:part name="RemoveDistributionGroupFromImListResult" element="tns:RemoveDistributionGroupFromImListResponse"/>
325. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
326. </wsdl:message>
327. <wsdl:message name="RemoveImContactFromGroupSoapIn">
328. <wsdl:part name="request" element="tns:RemoveImContactFromGroup"/>
329. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
330. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
331. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
332. </wsdl:message>
333. <wsdl:message name="RemoveImContactFromGroupSoapOut">
334. <wsdl:part name="RemoveImContactFromGroupResult" element="tns:RemoveImContactFromGroupResponse"/>
335. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
336. </wsdl:message>
337. <wsdl:message name="RemoveImGroupSoapIn">
338. <wsdl:part name="request" element="tns:RemoveImGroup"/>
339. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
340. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
341. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
342. </wsdl:message>
343. <wsdl:message name="RemoveImGroupSoapOut">
344. <wsdl:part name="RemoveImGroupResult" element="tns:RemoveImGroupResponse"/>
345. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
346. </wsdl:message>
347. <wsdl:message name="SetImGroupSoapIn">
348. <wsdl:part name="request" element="tns:SetImGroup"/>
349. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
350. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
351. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
352. </wsdl:message>
353. <wsdl:message name="SetImGroupSoapOut">
354. <wsdl:part name="SetImGroupResult" element="tns:SetImGroupResponse"/>
355. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
356. </wsdl:message>
357. <wsdl:message name="SetImListMigrationCompletedSoapIn">
358. <wsdl:part name="request" element="tns:SetImListMigrationCompleted"/>
359. <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
360. <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
361. <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
362. </wsdl:message>
363. <wsdl:message name="SetImListMigrationCompletedSoapOut">
364. <wsdl:part name="SetImListMigrationCompletedResult" element="tns:SetImListMigrationCompletedResponse"/>
365. <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
366. </wsdl:message>
367. </wsdl:definitions>

# Appendix B: Full XML Schema

| Schema name | Prefix | Section |
| --- | --- | --- |
| http://schemas.microsoft.com/exchange/services/2006/types | t | [7.2](#Section_d3179447bedd4f9db3d86eccca24b3b5) |
| http://schemas.microsoft.com/exchange/services/2006/messages | tns | [7.1](#Section_3b73ad76a9c94d04955955900cd7828d) |

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

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

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

MS-OXWSCOS-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]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 7.1 |
| MS-OXWSCOS-types.xsd | [7.2](#Section_d3179447bedd4f9db3d86eccca24b3b5) |

1. <?xml version="1.0" encoding="UTF-8"?>
2. <xs:schema xmlns:tns="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="Exchange2015" id="messages" xmlns:xs="http://www.w3.org/2001/XMLSchema">
3. <xs:include schemaLocation="MS-OXWSCDATA-messages.xsd"/>
4. <xs:import schemaLocation="MS-OXWSCOS-types.xsd" namespace="http://schemas.microsoft.com/exchange/services/2006/types"/>
5. <xs:complexType name="AddDistributionGroupToImListType">
6. <xs:complexContent mixed="false">
7. <xs:extension base="tns:BaseRequestType">
8. <xs:sequence>
9. <xs:element name="SmtpAddress" type="t:NonEmptyStringType"/>
10. <xs:element name="DisplayName" type="t:NonEmptyStringType"/>
11. </xs:sequence>
12. </xs:extension>
13. </xs:complexContent>
14. </xs:complexType>
15. <xs:complexType name="AddDistributionGroupToImListResponseMessageType">
16. <xs:complexContent mixed="false">
17. <xs:extension base="tns:ResponseMessageType">
18. <xs:sequence>
19. <xs:element minOccurs="0" name="ImGroup" type="t:ImGroupType"/>
20. </xs:sequence>
21. </xs:extension>
22. </xs:complexContent>
23. </xs:complexType>
24. <xs:element name="AddDistributionGroupToImListResponse" type="tns:AddDistributionGroupToImListResponseMessageType"/>
25. <xs:element name="AddDistributionGroupToImList" type="tns:AddDistributionGroupToImListType"/>
26. <xs:complexType name="AddImContactToGroupType">
27. <xs:complexContent mixed="false">
28. <xs:extension base="tns:BaseRequestType">
29. <xs:sequence>
30. <xs:element name="ContactId" type="t:ItemIdType"/>
31. <xs:element minOccurs="0" name="GroupId" type="t:ItemIdType"/>
32. </xs:sequence>
33. </xs:extension>
34. </xs:complexContent>
35. </xs:complexType>
36. <xs:complexType name="AddImContactToGroupResponseMessageType">
37. <xs:complexContent mixed="false">
38. <xs:extension base="tns:ResponseMessageType"/>
39. </xs:complexContent>
40. </xs:complexType>
41. <xs:element name="AddImContactToGroupResponse" type="tns:AddImContactToGroupResponseMessageType"/>
42. <xs:element name="AddImContactToGroup" type="tns:AddImContactToGroupType"/>
43. <xs:element name="AddImGroup" type="tns:AddImGroupType"/>
44. <xs:complexType name="AddImGroupResponseMessageType">
45. <xs:complexContent mixed="false">
46. <xs:extension base="tns:ResponseMessageType">
47. <xs:sequence>
48. <xs:element minOccurs="0" name="ImGroup" type="t:ImGroupType"/>
49. </xs:sequence>
50. </xs:extension>
51. </xs:complexContent>
52. </xs:complexType>
53. <xs:complexType name="AddImGroupType">
54. <xs:complexContent mixed="false">
55. <xs:extension base="tns:BaseRequestType">
56. <xs:sequence>
57. <xs:element name="DisplayName" type="t:NonEmptyStringType"/>
58. </xs:sequence>
59. </xs:extension>
60. </xs:complexContent>
61. </xs:complexType>
62. <xs:element name="AddImGroupResponse" type="tns:AddImGroupResponseMessageType"/>
63. <xs:element name="AddNewImContactToGroup" type="tns:AddNewImContactToGroupType"/>
64. <xs:element name="AddNewImContactToGroupResponse" type="tns:AddNewImContactToGroupResponseMessageType"/>
65. <xs:complexType name="AddNewImContactToGroupResponseMessageType">
66. <xs:complexContent mixed="false">
67. <xs:extension base="tns:ResponseMessageType">
68. <xs:sequence>
69. <xs:element minOccurs="0" name="Persona" type="t:PersonaType"/>
70. </xs:sequence>
71. </xs:extension>
72. </xs:complexContent>
73. </xs:complexType>
74. <xs:complexType name="AddNewImContactToGroupType">
75. <xs:complexContent mixed="false">
76. <xs:extension base="tns:BaseRequestType">
77. <xs:sequence>
78. <xs:element name="ImAddress" type="t:NonEmptyStringType"/>
79. <xs:element minOccurs="0" name="DisplayName" type="t:NonEmptyStringType"/>
80. <xs:element minOccurs="0" name="GroupId" type="t:ItemIdType"/>
81. </xs:sequence>
82. </xs:extension>
83. </xs:complexContent>
84. </xs:complexType>
85. <xs:complexType name="AddNewTelUriContactToGroupType">
86. <xs:complexContent mixed="false">
87. <xs:extension base="tns:BaseRequestType">
88. <xs:sequence>
89. <xs:element name="TelUriAddress" type="t:NonEmptyStringType"/>
90. <xs:element name="ImContactSipUriAddress" type="t:NonEmptyStringType"/>
91. <xs:element name="ImTelephoneNumber" type="t:NonEmptyStringType"/>
92. <xs:element minOccurs="0" name="GroupId" type="t:ItemIdType"/>
93. </xs:sequence>
94. </xs:extension>
95. </xs:complexContent>
96. </xs:complexType>
97. <xs:element name="AddNewTelUriContactToGroup" type="tns:AddNewTelUriContactToGroupType"/>
98. <xs:complexType name="AddNewTelUriContactToGroupResponseMessageType">
99. <xs:complexContent mixed="false">
100. <xs:extension base="tns:ResponseMessageType">
101. <xs:sequence>
102. <xs:element minOccurs="0" name="Persona" type="t:PersonaType"/>
103. </xs:sequence>
104. </xs:extension>
105. </xs:complexContent>
106. </xs:complexType>
107. <xs:element name="AddNewTelUriContactToGroupResponse" type="tns:AddNewTelUriContactToGroupResponseMessageType"/>
108. <xs:complexType name="GetImItemListType">
109. <xs:complexContent mixed="false">
110. <xs:extension base="tns:BaseRequestType">
111. <xs:sequence>
112. <xs:element minOccurs="0" name="ExtendedProperties" type="t:NonEmptyArrayOfExtendedFieldURIs"/>
113. </xs:sequence>
114. </xs:extension>
115. </xs:complexContent>
116. </xs:complexType>
117. <xs:element name="GetImItemList" type="tns:GetImItemListType"/>
118. <xs:complexType name="GetImItemListResponseMessageType">
119. <xs:complexContent mixed="false">
120. <xs:extension base="tns:ResponseMessageType">
121. <xs:sequence>
122. <xs:element minOccurs="0" name="ImItemList" type="t:ImItemListType"/>
123. </xs:sequence>
124. </xs:extension>
125. </xs:complexContent>
126. </xs:complexType>
127. <xs:element name="GetImItemListResponse" type="tns:GetImItemListResponseMessageType"/>
128. <xs:complexType name="GetImItemsType">
129. <xs:complexContent mixed="false">
130. <xs:extension base="tns:BaseRequestType">
131. <xs:sequence>
132. <xs:element minOccurs="0" name="ContactIds" type="t:NonEmptyArrayOfBaseItemIdsType"/>
133. <xs:element minOccurs="0" name="GroupIds" type="t:NonEmptyArrayOfBaseItemIdsType"/>
134. <xs:element minOccurs="0" name="ExtendedProperties" type="t:NonEmptyArrayOfExtendedFieldURIs"/>
135. </xs:sequence>
136. </xs:extension>
137. </xs:complexContent>
138. </xs:complexType>
139. <xs:element name="GetImItems" type="tns:GetImItemsType"/>
140. <xs:complexType name="GetImItemsResponseMessageType">
141. <xs:complexContent mixed="false">
142. <xs:extension base="tns:ResponseMessageType">
143. <xs:sequence>
144. <xs:element minOccurs="0" name="ImItemList" type="t:ImItemListType"/>
145. </xs:sequence>
146. </xs:extension>
147. </xs:complexContent>
148. </xs:complexType>
149. <xs:element name="GetImItemsResponse" type="tns:GetImItemsResponseMessageType"/>
150. <xs:complexType name="RemoveContactFromImListType">
151. <xs:complexContent mixed="false">
152. <xs:extension base="tns:BaseRequestType">
153. <xs:sequence>
154. <xs:element name="ContactId" type="t:ItemIdType"/>
155. </xs:sequence>
156. </xs:extension>
157. </xs:complexContent>
158. </xs:complexType>
159. <xs:element name="RemoveContactFromImList" type="tns:RemoveContactFromImListType"/>
160. <xs:complexType name="RemoveContactFromImListResponseMessageType">
161. <xs:complexContent mixed="false">
162. <xs:extension base="tns:ResponseMessageType"/>
163. </xs:complexContent>
164. </xs:complexType>
165. <xs:element name="RemoveContactFromImListResponse" type="tns:RemoveContactFromImListResponseMessageType"/>
166. <xs:complexType name="RemoveDistributionGroupFromImListType">
167. <xs:complexContent mixed="false">
168. <xs:extension base="tns:BaseRequestType">
169. <xs:sequence>
170. <xs:element name="GroupId" type="t:ItemIdType"/>
171. </xs:sequence>
172. </xs:extension>
173. </xs:complexContent>
174. </xs:complexType>
175. <xs:element name="RemoveDistributionGroupFromImList" type="tns:RemoveDistributionGroupFromImListType"/>
176. <xs:complexType name="RemoveDistributionGroupFromImListResponseMessageType">
177. <xs:complexContent mixed="false">
178. <xs:extension base="tns:ResponseMessageType"/>
179. </xs:complexContent>
180. </xs:complexType>
181. <xs:element name="RemoveDistributionGroupFromImListResponse" type="tns:RemoveDistributionGroupFromImListResponseMessageType"/>
182. <xs:complexType name="RemoveImContactFromGroupType">
183. <xs:complexContent mixed="false">
184. <xs:extension base="tns:BaseRequestType">
185. <xs:sequence>
186. <xs:element name="ContactId" type="t:ItemIdType"/>
187. <xs:element name="GroupId" type="t:ItemIdType"/>
188. </xs:sequence>
189. </xs:extension>
190. </xs:complexContent>
191. </xs:complexType>
192. <xs:element name="RemoveImContactFromGroupResponse" type="tns:RemoveImContactFromGroupResponseMessageType"/>
193. <xs:complexType name="RemoveImContactFromGroupResponseMessageType">
194. <xs:complexContent mixed="false">
195. <xs:extension base="tns:ResponseMessageType"/>
196. </xs:complexContent>
197. </xs:complexType>
198. <xs:element name="RemoveImContactFromGroup" type="tns:RemoveImContactFromGroupType"/>
199. <xs:complexType name="RemoveImGroupType">
200. <xs:complexContent mixed="false">
201. <xs:extension base="tns:BaseRequestType">
202. <xs:sequence>
203. <xs:element name="GroupId" type="t:ItemIdType"/>
204. </xs:sequence>
205. </xs:extension>
206. </xs:complexContent>
207. </xs:complexType>
208. <xs:element name="RemoveImGroup" type="tns:RemoveImGroupType"/>
209. <xs:complexType name="RemoveImGroupResponseMessageType">
210. <xs:complexContent mixed="false">
211. <xs:extension base="tns:ResponseMessageType"/>
212. </xs:complexContent>
213. </xs:complexType>
214. <xs:element name="RemoveImGroupResponse" type="tns:RemoveImGroupResponseMessageType"/>
215. <xs:complexType name="SetImGroupType">
216. <xs:complexContent mixed="false">
217. <xs:extension base="tns:BaseRequestType">
218. <xs:sequence>
219. <xs:element name="GroupId" type="t:ItemIdType"/>
220. <xs:element name="NewDisplayName" type="t:NonEmptyStringType"/>
221. </xs:sequence>
222. </xs:extension>
223. </xs:complexContent>
224. </xs:complexType>
225. <xs:element name="SetImGroup" type="tns:SetImGroupType"/>
226. <xs:complexType name="SetImGroupResponseMessageType">
227. <xs:complexContent mixed="false">
228. <xs:extension base="tns:ResponseMessageType"/>
229. </xs:complexContent>
230. </xs:complexType>
231. <xs:element name="SetImGroupResponse" type="tns:SetImGroupResponseMessageType"/>
232. <xs:complexType name="SetImListMigrationCompletedType">
233. <xs:complexContent mixed="false">
234. <xs:extension base="tns:BaseRequestType">
235. <xs:sequence>
236. <xs:element name="ImListMigrationCompleted" type="xs:boolean"/>
237. </xs:sequence>
238. </xs:extension>
239. </xs:complexContent>
240. </xs:complexType>
241. <xs:element name="SetImListMigrationCompleted" type="tns:SetImListMigrationCompletedType"/>
242. <xs:complexType name="SetImListMigrationCompletedResponseMessageType">
243. <xs:complexContent mixed="false">
244. <xs:extension base="tns:ResponseMessageType"/>
245. </xs:complexContent>
246. </xs:complexType>
247. <xs:element name="SetImListMigrationCompletedResponse" type="tns:SetImListMigrationCompletedResponseMessageType"/>
248. </xs:schema>

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

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

MS-OXWSCOS-types.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-types.xsd | [[MS-OXWSCDATA]](%5BMS-OXWSCDATA%5D.pdf#Section_138909444c814debb95f6d717e1438cd) section 7.2 |
| MS-OXWSBTRF-types.xsd | [[MS-OXWSBTRF]](%5BMS-OXWSBTRF%5D.pdf#Section_516f059349214f3e9c24fa642b7d0873) section 7.2 |

1. <?xml version="1.0" encoding="UTF-8"?>
2. <xs:schema xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types" elementFormDefault="qualified" targetNamespace="http://schemas.microsoft.com/exchange/services/2006/types" version="Exchange2015" id="types" xmlns:xs="http://www.w3.org/2001/XMLSchema">
3. <xs:import namespace="http://www.w3.org/XML/1998/namespace"/>
4. <xs:include schemaLocation="MS-OXWSCDATA-types.xsd"/>
5. <xs:include schemaLocation="MS-OXWSBTRF-types.xsd"/>
6. <xs:complexType name="ArrayOfImGroupType">
7. <xs:choice minOccurs="0" maxOccurs="unbounded">
8. <xs:element name="ImGroup" type="t:ImGroupType"/>
9. </xs:choice>
10. </xs:complexType>
11. <xs:complexType name="ImGroupType">
12. <xs:sequence>
13. <xs:element name="DisplayName" type="t:NonEmptyStringType"/>
14. <xs:element name="GroupType" type="t:NonEmptyStringType"/>
15. <xs:element minOccurs="0" name="ExchangeStoreId" type="t:ItemIdType"/>
16. <xs:element minOccurs="0" name="MemberCorrelationKey" type="t:NonEmptyArrayOfItemIdsType"/>
17. <xs:element minOccurs="0" name="ExtendedProperties" type="t:NonEmptyArrayOfExtendedPropertyType"/>
18. <xs:element minOccurs="0" name="SmtpAddress" type="xs:string"/>
19. </xs:sequence>
20. </xs:complexType>
21. <xs:complexType name="ImItemListType">
22. <xs:sequence>
23. <xs:element minOccurs="0" name="Groups" type="t:ArrayOfImGroupType"/>
24. <xs:element minOccurs="0" name="Personas" type="t:ArrayOfPeopleType"/>
25. </xs:sequence>
26. </xs:complexType>
27. <xs:complexType name="NonEmptyArrayOfExtendedFieldURIs">
28. <xs:choice maxOccurs="unbounded">
29. <xs:element name="ExtendedProperty" type="t:PathToExtendedFieldType"/>
30. </xs:choice>
31. </xs:complexType>
32. </xs:schema>

# Appendix C: Product Behavior

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

* Microsoft Exchange Server 2013
* Microsoft Exchange Server 2016
* Microsoft Lync Client 2013/Skype for Business
* Microsoft Skype for Business 2016
* Microsoft Skype for Business 2019
* Microsoft Exchange Server 2019
* Microsoft Skype for Business 2021

Exceptions, if any, are noted in this section. If an update version, service pack or Knowledge Base (KB) number appears with a product name, the behavior changed in that update. The new behavior also applies to subsequent updates unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

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

# Change Tracking

This section identifies changes that were made to this document since the last release. Changes are classified as Major, Minor, or None.

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

* A document revision that incorporates changes to interoperability requirements.
* A document revision that captures changes to protocol functionality.

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

The revision class **None** means that no new technical changes were introduced. Minor editorial and formatting changes may have been made, but the relevant technical content is identical to the last released version.

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

| Section | Description | Revision class |
| --- | --- | --- |
| [3.1.4.6.1](#Section_da25cd6af9b643539cbdd7dc226cfaf4) Messages | Changed GetItemListSoapIn to GetImItemListSoapIn. | Minor |
| [3.1.4.6.1.2](#Section_8bb15a76d3dc48e9a0a64d8cfe06a031) GetImItemListSoapOut | Changed GetItemListSoapIn to GetImItemListSoapIn. | Minor |
| [3.1.4.7](#Section_ccfde41504374a1886194934fa354154) GetImItems | Changed GetImItemListsSoapOut to GetImItemsSoapOut. | Minor |
| [3.1.4.8.1.1](#Section_b8e824e58d664d3d878008e38f7d602b) RemoveContactFromImListSoapIn | Changed RemoveContactFromlmList to RemoveContactFromImList. | Minor |
| [3.1.4.11.1](#Section_c63d71c056324ca5ae1aa8cf432719aa) Messages | Changed RemovImGroupSoapIn to RemoveImGroupSoapIn. | Minor |

# Index

A

Abstract data model

 [server](#section_f57caa64cc0f44a094e8bcec40b42209) 17

[Applicability](#section_a06cb918b9ab4b829ba191eb5bc1df46) 12

[ArrayOfImGroupType complex type](#section_d6de8dc6cd87422f9a536eb51064731a) 14

[Attribute groups](#section_4879f475bb4b4d5c8f24b525c96efb20) 16

[Attributes](#section_7b818b5d44894b0bbbeab31e5bfb2194) 16

C

[Capability negotiation](#section_af82b367c7e8438e8430c6a5e7d89e87) 12

[Change tracking](#section_ae14d4392f37448a8eb87bea3e53ba04) 93

[Complex types](#section_74f63f389db9444fa483c0bd280ad47e) 14

 [ArrayOfImGroupType](#section_d6de8dc6cd87422f9a536eb51064731a) 14

 [ImGroupType](#section_9191ee8d7f554c85bfbb3950bb41a806) 14

 [ImItemListType](#section_e642ad5625944e7ab0d4ec3067c87b47) 15

 [NonEmptyArrayOfExtendedFieldURIs](#section_eafae87564c749b6aca38fdeb92a1287) 15

D

Data model - abstract

 [server](#section_f57caa64cc0f44a094e8bcec40b42209) 17

E

Events

 [local - server](#section_e9223fd57c914e63bd40f1d23e660e19) 74

 [timer - server](#section_534ca134ce604e00bb8202a9ca08b6a4) 73

[Examples](#section_17276d65950443a1be000f654d688d82) 75

F

[Fields - vendor-extensible](#section_cc5f14063ba74f7d8cef6d440654625e) 12

[Full WSDL](#section_c468b264ec964d5687635d056cde1ba1) 79

[Full XML schema](#section_7a6609810720433194f0fa0109fef53d) 86

 [http://schemas.microsoft.com/exchange/services/2006/messages Schema](#section_3b73ad76a9c94d04955955900cd7828d) 86

 [http://schemas.microsoft.com/exchange/services/2006/types Schema](#section_d3179447bedd4f9db3d86eccca24b3b5) 90

G

[Glossary](#section_f9db2f395ffb435a89b27aa661477557) 8

[Groups](#section_4377a5f0e744408a89bbd3be614f4152) 16

I

[ImGroupType complex type](#section_9191ee8d7f554c85bfbb3950bb41a806) 14

[ImItemListType complex type](#section_e642ad5625944e7ab0d4ec3067c87b47) 15

[Implementer - security considerations](#section_e239dd38452c4d3f9d761a8b77208a88) 78

[Index of security parameters](#section_40c3f16369ca4fd98c8423ceef5dc6de) 78

[Informative references](#section_f2795b3f99594106888e40ee601f8a62) 11

Initialization

 [server](#section_81e3c73be13148f2929470c8d212d861) 17

[Introduction](#section_863be7a451464297be9c9378f9380936) 8

L

Local events

 [server](#section_e9223fd57c914e63bd40f1d23e660e19) 74

M

Message processing

 [server](#section_e6e081229e4f4538b922cbb627da6807) 17

Messages

 [ArrayOfImGroupType complex type](#section_d6de8dc6cd87422f9a536eb51064731a) 14

 [attribute groups](#section_4879f475bb4b4d5c8f24b525c96efb20) 16

 [attributes](#section_7b818b5d44894b0bbbeab31e5bfb2194) 16

 [complex types](#section_74f63f389db9444fa483c0bd280ad47e) 14

 [elements](#section_c0699a6be02b42bea4316d012f01b186) 13

 [enumerated](#section_c0310278cc8543a2be2f6c993d5fb647) 13

 [groups](#section_4377a5f0e744408a89bbd3be614f4152) 16

 [ImGroupType complex type](#section_9191ee8d7f554c85bfbb3950bb41a806) 14

 [ImItemListType complex type](#section_e642ad5625944e7ab0d4ec3067c87b47) 15

 [namespaces](#section_edaae3384dcd42d18f0883839a0a43a1) 13

 [NonEmptyArrayOfExtendedFieldURIs complex type](#section_eafae87564c749b6aca38fdeb92a1287) 15

 [simple types](#section_257198918f40478b99c515f41e30dc68) 16

 [syntax](#section_aa6e5f2e83ca484fb9eccd481a1dc26a) 13

 [transport](#section_80eeaa45084147cc8c38af1afe0265b6) 13

N

[Namespaces](#section_edaae3384dcd42d18f0883839a0a43a1) 13

[NonEmptyArrayOfExtendedFieldURIs complex type](#section_eafae87564c749b6aca38fdeb92a1287) 15

[Normative references](#section_3f16a1f9854b44b69e445e55c31861cb) 10

O

Operations

 [AddDistributionGroupToImList](#section_862992c3963b4459ac4616f03e119011) 18

 [AddImContactToGroup](#section_e1f4e8d8183f477ab8be197cc1ac4325) 23

 [AddImGroup](#section_1559f9c35e894a188a772bfbc94e8524) 27

 [AddNewImContactToGroup](#section_d6072e2101f54e34b04cd89353a8c78d) 31

 [AddNewTelUriContactToGroup](#section_61d55e82833843ec932413bb66799bf2) 35

 [GetImItemList](#section_54bb51b6ed6e4744ab5345ff43963bae) 40

 [GetImItems](#section_ccfde41504374a1886194934fa354154) 44

 [RemoveContactFromImList](#section_6132581dbaf74afa9218cfab523f23c2) 48

 [RemoveDistributionGroupFromImList](#section_c5ca47b5a4b348139500f090a0a9db5c) 52

 [RemoveImContactFromGroup](#section_e73e2815c7c64776bdce6a0ff11f9bad) 57

 [RemoveImGroup](#section_8071a36f55da4081baf648675f11a20b) 61

 [SetImGroup](#section_7a225b2794654fb38a99b84648815926) 65

 [SetImListMigrationCompleted](#section_8f85a100752449a39ea7b648f212684e) 69

[Overview (synopsis)](#section_42d06b6498584ca4beda49e9a92cb805) 11

P

[Parameters - security index](#section_40c3f16369ca4fd98c8423ceef5dc6de) 78

[Preconditions](#section_15abae992dbc4831b0c1670c2ef4b06c) 12

[Prerequisites](#section_15abae992dbc4831b0c1670c2ef4b06c) 12

[Product behavior](#section_5ba748006405443db78a2ec10374d4fc) 92

Protocol Details

 [overview](#section_22a75a057ec8472ca3eb6450d1a791a2) 17

R

[References](#section_623b7a2966224db8af7270ec8afbc69b) 9

 [informative](#section_f2795b3f99594106888e40ee601f8a62) 11

 [normative](#section_3f16a1f9854b44b69e445e55c31861cb) 10

[Relationship to other protocols](#section_4bc03d02b2014281be04b86d4e9f0a33) 11

S

Security

 [implementer considerations](#section_e239dd38452c4d3f9d761a8b77208a88) 78

 [parameter index](#section_40c3f16369ca4fd98c8423ceef5dc6de) 78

Sequencing rules

 [server](#section_e6e081229e4f4538b922cbb627da6807) 17

Server

 [abstract data model](#section_f57caa64cc0f44a094e8bcec40b42209) 17

 [AddDistributionGroupToImList operation](#section_862992c3963b4459ac4616f03e119011) 18

 [AddImContactToGroup operation](#section_e1f4e8d8183f477ab8be197cc1ac4325) 23

 [AddImGroup operation](#section_1559f9c35e894a188a772bfbc94e8524) 27

 [AddNewImContactToGroup operation](#section_d6072e2101f54e34b04cd89353a8c78d) 31

 [AddNewTelUriContactToGroup operation](#section_61d55e82833843ec932413bb66799bf2) 35

 [GetImItemList operation](#section_54bb51b6ed6e4744ab5345ff43963bae) 40

 [GetImItems operation](#section_ccfde41504374a1886194934fa354154) 44

 [initialization](#section_81e3c73be13148f2929470c8d212d861) 17

 [local events](#section_e9223fd57c914e63bd40f1d23e660e19) 74

 [message processing](#section_e6e081229e4f4538b922cbb627da6807) 17

 [RemoveContactFromImList operation](#section_6132581dbaf74afa9218cfab523f23c2) 48

 [RemoveDistributionGroupFromImList operation](#section_c5ca47b5a4b348139500f090a0a9db5c) 52

 [RemoveImContactFromGroup operation](#section_e73e2815c7c64776bdce6a0ff11f9bad) 57

 [RemoveImGroup operation](#section_8071a36f55da4081baf648675f11a20b) 61

 [sequencing rules](#section_e6e081229e4f4538b922cbb627da6807) 17

 [SetImGroup operation](#section_7a225b2794654fb38a99b84648815926) 65

 [SetImListMigrationCompleted operation](#section_8f85a100752449a39ea7b648f212684e) 69

 [timer events](#section_534ca134ce604e00bb8202a9ca08b6a4) 73

 [timers](#section_e9eef3a647e04ca080555d186ab18b1a) 17

[Simple types](#section_257198918f40478b99c515f41e30dc68) 16

[Standards assignments](#section_eac3612d4cd7438d81be4a0e1513bea3) 12

Syntax

 [messages - overview](#section_aa6e5f2e83ca484fb9eccd481a1dc26a) 13

T

Timer events

 [server](#section_534ca134ce604e00bb8202a9ca08b6a4) 73

Timers

 [server](#section_e9eef3a647e04ca080555d186ab18b1a) 17

[Tracking changes](#section_ae14d4392f37448a8eb87bea3e53ba04) 93

[Transport](#section_80eeaa45084147cc8c38af1afe0265b6) 13

Types

 [complex](#section_74f63f389db9444fa483c0bd280ad47e) 14

 [simple](#section_257198918f40478b99c515f41e30dc68) 16

V

[Vendor-extensible fields](#section_cc5f14063ba74f7d8cef6d440654625e) 12

[Versioning](#section_af82b367c7e8438e8430c6a5e7d89e87) 12

W

[WSDL](#section_c468b264ec964d5687635d056cde1ba1) 79

X

[XML schema](#section_7a6609810720433194f0fa0109fef53d) 86

 [http://schemas.microsoft.com/exchange/services/2006/messages Schema](#section_3b73ad76a9c94d04955955900cd7828d) 86

 [http://schemas.microsoft.com/exchange/services/2006/types Schema](#section_d3179447bedd4f9db3d86eccca24b3b5) 90