

[MS-TSWS]: Translation Services Web Service Protocol Specification

Intellectual Property Rights Notice for Open Specifications Documentation

- **Technical Documentation.** Microsoft publishes Open Specifications documentation for protocols, file formats, languages, standards as well as overviews of the interaction among each of these technologies.
- **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 may make copies of it in order to develop implementations of the technologies described in the Open Specifications and may distribute portions of it in your implementations using these technologies or your documentation as necessary to properly document the implementation. You may also distribute in your implementation, with or without modification, any schema, IDL's, or code samples that are included in the documentation. This permission also applies to any documents that are referenced in the Open Specifications.
- **No Trade Secrets.** Microsoft does not claim any trade secret rights in this documentation.
- **Patents.** Microsoft has patents that may cover your implementations of the technologies described in the Open Specifications. Neither this notice nor Microsoft's delivery of the documentation grants any licenses under those or any other Microsoft patents. However, a given Open Specification may be covered by Microsoft [Open Specification Promise](#) or the [Community Promise](#). If you would prefer a written license, or if the technologies described in the Open Specifications are not covered by the Open Specifications Promise or Community Promise, as applicable, patent licenses are available by contacting iplg@microsoft.com.
- **Trademarks.** The names of companies and products contained in this documentation may be covered by trademarks or similar intellectual property rights. This notice does not grant any licenses under those rights.
- **Fictitious Names.** The example companies, organizations, products, domain names, e-mail addresses, logos, people, places, and events 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 specifically described above, whether by implication, estoppel, or otherwise.

Tools. The Open Specifications do 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 are intended for use in conjunction with publicly available standard specifications and network programming art, and assumes that the reader either is familiar with the aforementioned material or has immediate access to it.

Preliminary Documentation. This Open Specification provides documentation for past and current releases and/or for the pre-release (beta) version of this technology. This Open Specification is final

documentation for past or current releases as specifically noted in the document, as applicable; it is preliminary documentation for the pre-release (beta) versions. Microsoft will release final documentation in connection with the commercial release of the updated or new version of this technology. As the documentation may change between this preliminary version and the final version of this technology, there are risks in relying on preliminary documentation. To the extent that you incur additional development obligations or any other costs as a result of relying on this preliminary documentation, you do so at your own risk.

Revision Summary

Date	Revision History	Revision Class	Comments
01/20/2012	0.1	New	Released new document.

Table of Contents

1 Introduction	10
1.1 Glossary	10
1.2 References	10
1.2.1 Normative References	11
1.2.2 Informative References	11
1.3 Overview	12
1.4 Relationship to Other Protocols	12
1.5 Prerequisites/Preconditions	13
1.6 Applicability Statement	13
1.7 Versioning and Capability Negotiation	14
1.8 Vendor-Extensible Fields	14
1.9 Standards Assignments	14
2 Messages	15
2.1 Transport	15
2.2 Common Message Syntax	15
2.2.1 Namespaces	15
2.2.2 Messages	17
2.2.3 Elements	17
2.2.3.1 TranslationJobSettings	17
2.2.3.2 GroupId	18
2.2.3.3 JobId	18
2.2.3.4 PartitionId	18
2.2.3.5 UserToken	18
2.2.4 Complex Types	18
2.2.4.1 ArrayOfString	19
2.2.4.2 UserNotFoundFault	19
2.2.4.3 TranslationJobSettings	19
2.2.5 Simple Types	20
2.2.5.1 guid	20
2.2.5.2 SaveBehavior	20
2.2.6 Attributes	21
2.2.7 Groups	21
2.2.8 Attribute Groups	21
3 Protocol Details	22
3.1 Translation Server Details	22
3.1.1 Abstract Data Model	22
3.1.2 Timers	23
3.1.3 Initialization	23
3.1.4 Message Processing Events and Sequencing Rules	23
3.1.4.1 AddGroup	24
3.1.4.1.1 Messages	25
3.1.4.1.1.1 AddGroupRequest	25
3.1.4.1.1.2 AddGroupResponse	25
3.1.4.1.2 Elements	25
3.1.4.1.2.1 AddGroupRequest	26
3.1.4.1.2.2 AddGroupResponse	26
3.1.4.1.3 Complex Types	26
3.1.4.1.4 Simple Types	27

3.1.4.1.5	Attributes.....	27
3.1.4.1.6	Groups.....	27
3.1.4.1.7	Attribute Groups	27
3.1.4.2	AddJob	27
3.1.4.2.1	Messages	28
3.1.4.2.1.1	AddJobRequest.....	28
3.1.4.2.1.2	AddJobResponse	28
3.1.4.2.2	Elements.....	29
3.1.4.2.2.1	AddJobRequest.....	29
3.1.4.2.2.2	AddJobResponse	29
3.1.4.2.3	Complex Types	30
3.1.4.2.4	Simple Types.....	30
3.1.4.2.5	Attributes.....	30
3.1.4.2.6	Groups.....	30
3.1.4.2.7	Attribute Groups	30
3.1.4.3	AddSyncJob	30
3.1.4.3.1	Messages	30
3.1.4.3.1.1	AddSyncJobRequest.....	31
3.1.4.3.1.2	AddSyncJobResponse.....	31
3.1.4.3.2	Elements.....	31
3.1.4.3.2.1	AddSyncJobRequest.....	31
3.1.4.3.2.2	AddSyncJobResponse.....	32
3.1.4.3.3	Complex Types	32
3.1.4.3.4	Simple Types.....	32
3.1.4.3.5	Attributes.....	32
3.1.4.3.6	Groups.....	32
3.1.4.3.7	Attribute Groups	33
3.1.4.4	AddSyncStreamJob	33
3.1.4.4.1	Messages	33
3.1.4.4.1.1	AddSyncStreamJobRequest.....	33
3.1.4.4.1.2	AddSyncStreamJobResponse.....	33
3.1.4.4.2	Elements.....	34
3.1.4.4.2.1	AddSyncStreamJobRequest.....	34
3.1.4.4.2.2	AddSyncStreamJobResponse.....	34
3.1.4.4.3	Complex Types	35
3.1.4.4.4	Simple Types.....	35
3.1.4.4.5	Attributes.....	35
3.1.4.4.6	Groups.....	35
3.1.4.4.7	Attribute Groups	35
3.1.4.5	BatchGetSyncJobStatus	35
3.1.4.5.1	Messages	36
3.1.4.5.1.1	BatchGetSyncJobStatusRequest	36
3.1.4.5.1.2	BatchGetSyncJobStatusResponse	36
3.1.4.5.2	Elements.....	36
3.1.4.5.2.1	BatchGetSyncJobStatusRequest	36
3.1.4.5.2.2	BatchGetSyncJobStatusResponse	37
3.1.4.5.3	Complex Types	37
3.1.4.5.3.1	ArrayOfNullableOfint	38
3.1.4.5.3.2	ArrayOfbase64Binary	38
3.1.4.5.3.3	ArrayOfunsignedLong.....	38
3.1.4.5.4	Simple Types.....	39
3.1.4.5.5	Attributes.....	39
3.1.4.5.6	Groups.....	39

3.1.4.5.7	Attribute Groups	39
3.1.4.6	CancelJob	39
3.1.4.6.1	Messages	39
3.1.4.6.1.1	CancelJobRequest.....	40
3.1.4.6.1.2	CancelJobResponse.....	40
3.1.4.6.2	Elements.....	40
3.1.4.6.2.1	CancelJobRequest.....	40
3.1.4.6.2.2	CancelJobResponse.....	41
3.1.4.6.3	Complex Types	41
3.1.4.6.4	Simple Types.....	41
3.1.4.6.5	Attributes.....	41
3.1.4.6.6	Groups.....	41
3.1.4.6.7	Attribute Groups	41
3.1.4.7	ConvertBatch	41
3.1.4.7.1	Messages	42
3.1.4.7.1.1	ConvertBatchRequest.....	42
3.1.4.7.2	Elements.....	43
3.1.4.7.2.1	ConvertBatchRequest.....	43
3.1.4.7.3	Complex Types	43
3.1.4.7.3.1	ArrayOfConvertBatchItem.....	43
3.1.4.7.3.2	ConvertBatchItem	44
3.1.4.7.3.3	ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ	45
3.1.4.7.3.4	ConvertBatchJob	45
3.1.4.7.4	Simple Types.....	46
3.1.4.7.5	Attributes.....	46
3.1.4.7.6	Groups.....	46
3.1.4.7.7	Attribute Groups	46
3.1.4.8	GetConfiguration	46
3.1.4.8.1	Messages	46
3.1.4.8.1.1	GetConfigurationRequest.....	47
3.1.4.8.1.2	GetConfigurationResponse.....	47
3.1.4.8.2	Elements.....	47
3.1.4.8.2.1	GetConfigurationRequest.....	47
3.1.4.8.2.2	GetConfigurationResponse.....	47
3.1.4.8.3	Complex Types	48
3.1.4.8.4	Simple Types.....	48
3.1.4.8.5	Attributes.....	48
3.1.4.8.6	Groups.....	48
3.1.4.8.7	Attribute Groups	48
3.1.4.9	GetGroups	48
3.1.4.9.1	Messages	50
3.1.4.9.1.1	GetGroupsRequest.....	50
3.1.4.9.1.2	GetGroupsResponse.....	50
3.1.4.9.2	Elements.....	50
3.1.4.9.2.1	GetGroupsRequest.....	50
3.1.4.9.2.2	GetGroupsResponse.....	51
3.1.4.9.3	Complex Types	51
3.1.4.9.3.1	ArrayOfGetGroupsGroup.....	51
3.1.4.9.3.2	GetGroupsGroup	52
3.1.4.9.4	Simple Types.....	52
3.1.4.9.5	Attributes.....	52
3.1.4.9.6	Groups.....	52
3.1.4.9.7	Attribute Groups	52

3.1.4.10	GetId	52
3.1.4.10.1	Messages	53
3.1.4.10.1.1	GetIdRequest	53
3.1.4.10.1.2	GetIdResponse	53
3.1.4.10.2	Elements	54
3.1.4.10.2.1	GetIdRequest	54
3.1.4.10.2.2	GetIdResponse	54
3.1.4.10.3	Complex Types	54
3.1.4.10.4	Simple Types	54
3.1.4.10.5	Attributes	54
3.1.4.10.6	Groups	55
3.1.4.10.7	Attribute Groups	55
3.1.4.11	GetItems	55
3.1.4.11.1	Messages	56
3.1.4.11.1.1	GetItemsRequest	56
3.1.4.11.1.2	GetItemsResponse	56
3.1.4.11.2	Elements	56
3.1.4.11.2.1	GetItemsRequest	57
3.1.4.11.2.2	GetItemsResponse	57
3.1.4.11.3	Complex Types	58
3.1.4.11.3.1	ArrayOfGetItemsItem	58
3.1.4.11.3.2	GetItemsItem	58
3.1.4.11.4	Simple Types	59
3.1.4.11.5	Attributes	59
3.1.4.11.6	Groups	59
3.1.4.11.7	Attribute Groups	59
3.1.4.12	GetJobs	59
3.1.4.12.1	Messages	60
3.1.4.12.1.1	GetJobsRequest	60
3.1.4.12.1.2	GetJobsResponse	61
3.1.4.12.2	Elements	61
3.1.4.12.2.1	GetJobsRequest	61
3.1.4.12.2.2	GetJobsResponse	62
3.1.4.12.3	Complex Types	62
3.1.4.12.3.1	ArrayOfGetJobsJob	62
3.1.4.12.3.2	GetJobsJob	62
3.1.4.12.4	Simple Types	63
3.1.4.12.5	Attributes	63
3.1.4.12.6	Groups	63
3.1.4.12.7	Attribute Groups	63
3.1.4.13	GetJobStatus	63
3.1.4.13.1	Messages	64
3.1.4.13.1.1	GetJobStatusRequest	64
3.1.4.13.1.2	GetJobStatusResponse	65
3.1.4.13.2	Elements	65
3.1.4.13.2.1	GetJobStatusRequest	65
3.1.4.13.2.2	GetJobStatusResponse	65
3.1.4.13.3	Complex Types	66
3.1.4.13.4	Simple Types	66
3.1.4.13.5	Attributes	66
3.1.4.13.6	Groups	66
3.1.4.13.7	Attribute Groups	66
3.1.4.14	GetSyncStreamOutputBytes	66

3.1.4.14.1	Messages	67
3.1.4.14.1.1	GetSyncStreamOutputBytesRequest.....	67
3.1.4.14.1.2	GetSyncStreamOutputBytesResponse.....	67
3.1.4.14.2	Elements	67
3.1.4.14.2.1	GetSyncStreamOutputBytesRequest.....	68
3.1.4.14.2.2	GetSyncStreamOutputBytesResponse.....	68
3.1.4.14.3	Complex Types	68
3.1.4.14.4	Simple Types	68
3.1.4.14.5	Attributes	69
3.1.4.14.6	Groups.....	69
3.1.4.14.7	Attribute Groups.....	69
3.1.4.15	Ping	69
3.1.4.15.1	Messages	69
3.1.4.15.1.1	PingRequest.....	69
3.1.4.15.1.2	PingResponse.....	70
3.1.4.15.2	Elements	70
3.1.4.15.2.1	PingRequest.....	70
3.1.4.15.2.2	PingResponse.....	70
3.1.4.15.3	Complex Types	70
3.1.4.15.4	Simple Types	71
3.1.4.15.5	Attributes	71
3.1.4.15.6	Groups.....	71
3.1.4.15.7	Attribute Groups.....	71
3.1.4.16	SubmitJob.....	71
3.1.4.16.1	Messages	71
3.1.4.16.1.1	SubmitJobRequest	72
3.1.4.16.1.2	SubmitJobResponse	72
3.1.4.16.2	Elements	72
3.1.4.16.2.1	SubmitJobRequest	72
3.1.4.16.2.2	SubmitJobResponse	72
3.1.4.16.3	Complex Types	73
3.1.4.16.4	Simple Types	73
3.1.4.16.5	Attributes	73
3.1.4.16.6	Groups.....	73
3.1.4.16.7	Attribute Groups.....	73
3.1.5	Timer Events	73
3.1.6	Other Local Events	73
4	Protocol Examples.....	74
4.1	Creating a translation job	74
4.1.1	Adding the job	74
4.1.2	Adding the first group	75
4.1.3	Adding the second group.....	77
4.1.4	Submitting the job	78
4.2	Getting the status of a translation job	78
4.2.1	Getting the job.....	78
4.2.2	Getting the job status	79
4.2.3	Getting the groups	80
4.2.4	Getting the items in the first group.....	82
4.2.5	Getting the items in the second group	84
4.3	Creating immediate translation jobs.....	85
4.3.1	Adding a job	85
4.3.2	Adding a streaming job	86

4.3.3	Getting the job status	87
4.3.4	Completing downloading of the streaming job	88
5	Security	89
5.1	Security Considerations for Implementers	89
5.2	Index of Security Parameters	89
6	Appendix A: Full WSDL	90
7	Appendix B: Full XML Schema	100
7.1	http://schemas.microsoft.com/2003/10/Serialization/Arrays Schema	101
7.2	http://schemas.microsoft.com/2003/10/Serialization/ Schema	102
7.3	http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response Schema	103
7.4	http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob Schema ...	103
7.5	http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch Schema	104
7.6	http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration Schema	105
7.7	http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationRe sponse Schema	105
7.8	http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response Schema	105
7.9	http://schemas.microsoft.com/office/server/translation/2010/11/getGroups Schema ..	106
7.10	http://schemas.microsoft.com/office/server/translation/2010/11/getId/response Schema	107
7.11	http://schemas.microsoft.com/office/server/translation/2010/11/getId Schema	107
7.12	http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response Schema	107
7.13	http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/respons e Schema	108
7.14	http://schemas.microsoft.com/office/server/translation/2010/11/getItems Schema ..	108
7.15	http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response Schema	109
7.16	http://schemas.microsoft.com/office/server/translation/2010/11/getJobs Schema	109
7.17	http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/respo nse Schema	110
7.18	http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus Schema	110
7.19	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/r esponse Schema	111
7.20	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus Schema	111
7.21	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOut putBytes/response Schema	111
7.22	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOut putBytes Schema	112

7.23	http://schemas.microsoft.com/office/server/translation/2010/11/ping/response Schema	112
7.24	http://schemas.microsoft.com/office/server/translation/2010/11/addGroup Schema	112
7.25	http://schemas.microsoft.com/office/server/translation/2010/11/ping Schema	113
7.26	http://schemas.microsoft.com/office/server/translation/2010/11/service Schema	113
7.27	http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response Schema	114
7.28	http://schemas.microsoft.com/office/server/translation/2010/11/submitJob Schema	114
7.29	http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings Schema	114
7.30	http://schemas.datacontract.org/2004/07/System Schema	115
7.31	http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response Schema	115
7.32	http://schemas.microsoft.com/office/server/translation/2010/11/addJob Schema	115
7.33	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob/response Schema	116
7.34	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob Schema	116
7.35	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/response Schema	117
7.36	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob Schema	117
8	Appendix C: Product Behavior	118
9	Change Tracking.....	119
10	Index	120

1 Introduction

The Translation Services Web Service Protocol is used to machine translate documents from one language to another.

Sections 1.8, 2, and 3 of this specification are normative and contain RFC 2119 language. Sections 1.5 and 1.9 are also normative but cannot contain RFC 2119 language. All other sections and examples in this specification are informative.

1.1 Glossary

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

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

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

dictionary
endpoint
file extension
immediate translation job
partition
result set
Simple Object Access Protocol (SOAP)
SOAP action
SOAP body
SOAP fault
stored procedure
translation group
translation item
translation job
Uniform Resource Identifier (URI)
Uniform Resource Locator (URL)
Web Services Description Language (WSDL)
WSDL message
WSDL operation
XML namespace
XML namespace prefix
XML schema
XML schema definition (XSD)

The following terms are specific to this document:

MAY, SHOULD, MUST, SHOULD NOT, MUST NOT: These terms (in all caps) are used as described in [\[RFC2119\]](#). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

1.2 References

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

1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact dochelp@microsoft.com. We will assist you in finding the relevant information. Please check the archive site, <http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624>, as an additional source.

[MS-SPS2SAUTH] Microsoft Corporation, "[OAuth 2.0 Authorization Protocol: Server and Application Authentication Profile](#)".

[MS-SPSTWS] Microsoft Corporation, "[SharePoint Security Token Service Web Service Protocol Specification](#)".

[MS-TSSPROC] Microsoft Corporation, "[Translation Services Stored Procedures Protocol Specification](#)".

[RFC1766] Alvestrand, H., "Tags for the Identification of Languages", RFC 1766, March 1995, <http://www.ietf.org/rfc/rfc1766.txt>

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

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

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

[SOAP1.2/1] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 1: Messaging Framework", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part1-20030624>

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

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

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

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

1.2.2 Informative References

[MS-GLOS] Microsoft Corporation, "[Windows Protocols Master Glossary](#)".

[MS-OFCGLOS] Microsoft Corporation, "[Microsoft Office Master Glossary](#)".

[MS-SPTWS] Microsoft Corporation, "[Service Platform Topology Web Service Protocol Specification](#)".

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

[SOAP1.2/2] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 2: Adjuncts", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part2-20030624>

1.3 Overview

This protocol enables a protocol client to create and manage a persistent queue of document translations. It also allows the protocol client to initiate the machine translation of documents in that queue from one language to another. The protocol server maintains the queue and initiates translations based on requests from a protocol client. The protocol also allows a protocol client to initiate machine translation of a document immediately, bypassing the queue.

1.4 Relationship to Other Protocols

This protocol uses the **SOAP** message protocol for formatting request and response messages, as described in [\[SOAP1.1\]](#), [\[SOAP1.2/1\]](#) and [\[SOAP1.2/2\]](#). It transmits those messages by using **HTTP**, as described in [\[RFC2616\]](#), or **Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**, as described in [\[RFC2818\]](#).

The following diagram shows the underlying messaging and transport stack that is used by the protocol:

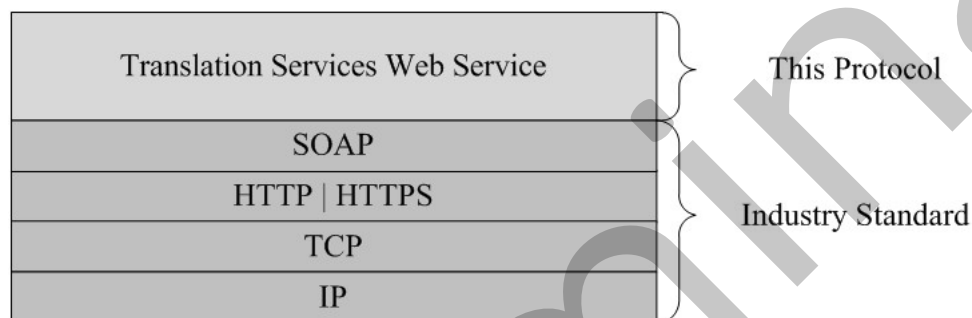


Figure 1: This protocol in relation to underlying messaging and transport stack protocols

Although the protocol server processes requests from the protocol client to create and manage a queue of **translation jobs**, the protocol server uses the Translation Services Stored Procedures protocol defined in [\[MS-TSSPROC\]](#) to store the translation job queue. Additionally, although the protocol server initiates the translation of **translation items** within the queue, this protocol does not specify the storage method of the input and output files.

The following diagram shows the relationship between this protocol and the database protocol. Dotted lines indicate interactions that are implementation-specific and not significant for interoperability in relation to these protocols.

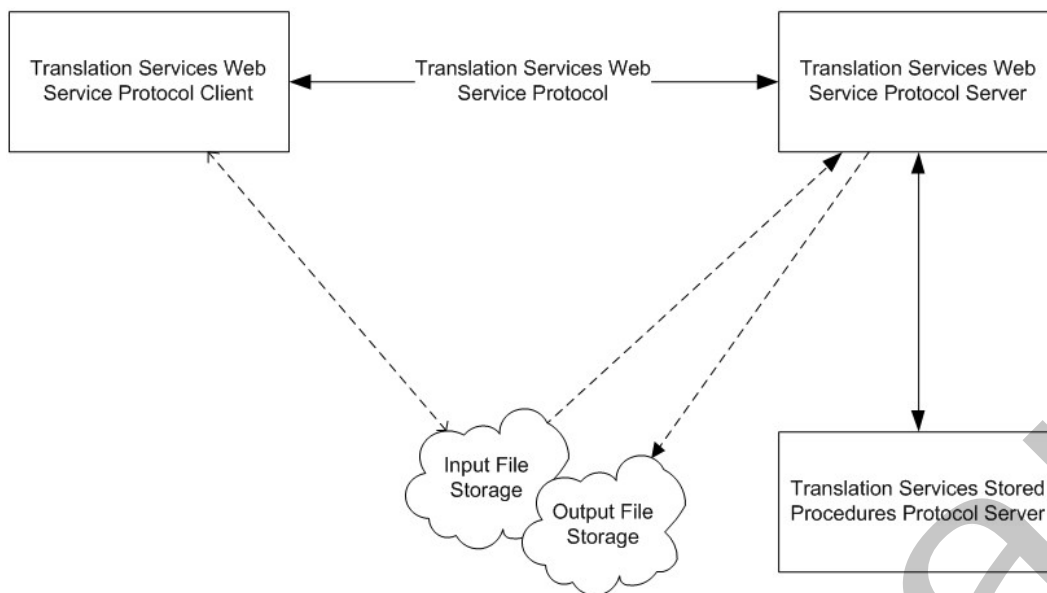


Figure 2: The relationship between this protocol and the Translation Services Stored Procedures protocol

1.5 Prerequisites/Preconditions

This protocol operates against a protocol server that exposes one or more **endpoint (4) URIs** that are known by protocol clients. The endpoint (4) URI of the protocol server and the transport that is used by the protocol server are either known by the protocol client or obtained by using the discovery mechanism that is described in [\[MS-SPTWS\]](#).

The protocol client obtains the requisite **ApplicationClassId** and **ApplicationVersion** values and the endpoint (4) URI of the protocol server that provides the discovery mechanism, as described in [\[MS-SPTWS\]](#), by means that are independent of either protocol.

This protocol requires the protocol client to have appropriate permission to call the methods on the protocol server.

The protocol client implements the token-based security mechanisms that are required by the protocol server and related security protocols, as described in [\[MS-SPSTWS\]](#).

This protocol assumes that the protocol client provides the input file and output file locations of a translation item as **URLs** that are in a format required by the protocol server.

1.6 Applicability Statement

This protocol is intended for use by protocol clients and protocol servers that are connected by high-bandwidth, low-latency network connections.

The protocol was designed to enable a protocol client to communicate with a protocol server to manage a queue of translation jobs and initiate document translations from one language to another. The protocol server only performs actions in response to requests from the protocol client:

- Creates translation jobs.

- Cancels translation jobs.
- Provides access to the status of translation jobs.
- Initiates the translation of translation items.

1.7 Versioning and Capability Negotiation

This document covers versioning issues in the following areas:

- **Supported Transports:** This protocol can be implemented by using transports that support sending Simple Object Access Protocol (SOAP) messages, as specified in section [2.1](#).
- **Protocol Versions:** This protocol is not versioned.

Capability Negotiation: This protocol does not support version negotiation.

1.8 Vendor-Extensible Fields

None.

1.9 Standards Assignments

None.

2 Messages

In the following sections, the schema definition might differ from the processing rules imposed by the protocol. The **WSDL** in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL might specify differences 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**, **present**, and **not null**.

2.1 Transport

Protocol servers **MUST** support SOAP over HTTP or HTTPS.

All protocol messages **MUST** be transported by using HTTP bindings at the transport level.

Protocol messages **MUST** be formatted as specified in either [\[SOAP1.1\]](#) section 4 or [\[SOAP1.2/1\]](#) section 5. Protocol server faults **MUST** be returned by using either HTTP status codes, as specified in [\[RFC2616\]](#) section 10, or **SOAP faults**, as specified in [\[SOAP1.1\]](#) section 4.4 or [\[SOAP1.2/1\]](#) section 5.4.

If the HTTPS transport is used, a server certificate **MUST** be deployed.

This protocol **MAY** transmit an additional SOAP header, the **ServiceContext** header, as specified in [\[MS-SPSTWS\]](#).

This protocol does not define any means for activating a protocol server or protocol client. The protocol server **MUST** be configured and begin listening in an implementation-specific way. In addition, the protocol client **MUST** know the format and transport that is used by the protocol server, for example, the SOAP format over an HTTP transport.

2.2 Common Message Syntax

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

2.2.1 Namespaces

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

Prefix	Namespace URI	Reference
q1	http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch	
q10	http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/response	
q11	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus	
q12	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/response	

Prefix	Namespace URI	Reference
q13	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob	
q14	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob/response	
q15	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob	
q16	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/response	
q17	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes	
q18	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes/response	
q19	http://schemas.microsoft.com/office/server/translation/2010/11/addJob	
q2	http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings	
q20	http://schemas.microsoft.com/office/server/translation/2010/11/addGroup	
q21	http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response	
q22	http://schemas.microsoft.com/office/server/translation/2010/11/submitJob	
q23	http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response	
q24	http://schemas.microsoft.com/office/server/translation/2010/11/getJobs	
q25	http://schemas.microsoft.com/office/server/translation/2010/11/getGroups	
q26	http://schemas.microsoft.com/office/server/translation/2010/11/getItems	
q28	http://schemas.microsoft.com/office/server/translation/2010/11/getId	
q29	http://schemas.microsoft.com/office/server/translation/2010/11/getId/response	
q3	http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response	
q30	http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration	
q31	http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationResponse	
q4	http://schemas.datacontract.org/2004/07/System	
q5	http://schemas.microsoft.com/office/server/translation/2010/11/ping	
q6	http://schemas.microsoft.com/office/server/translation/2010/11/ping/response	
q7	http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob	
q8	http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response	
q9	http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus	

Prefix	Namespace URI	Reference
soap	http://schemas.xmlsoap.org/wsdl/soap/	[SOAP1.1]
tns	http://schemas.microsoft.com/2003/10/Serialization/Arrays	
tns1	http://schemas.microsoft.com/2003/10/Serialization/	
tns2	http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response	
tns3	http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response	
tns4	http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response	
tns5	http://schemas.microsoft.com/office/server/translation/2010/11/service	
tns6	http://schemas.microsoft.com/office/server/translation/2010/11/service/Imports	
wsaw	http://www.w3.org/2006/05/addressing/wsdl	
wsdl	http://schemas.xmlsoap.org/wsdl/	[WSDL]
xs	http://www.w3.org/2001/XMLSchema	[XMLSCHEM A1] [XMLSCHEM A2]

2.2.2 Messages

This specification does not define any common WSDL message definitions.

2.2.3 Elements

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

Element	Description
TranslationJobSettings	Contains a collection of preferred settings for a translation job.
GroupId	Uniquely identifies a translation group within a translation job.
JobId	Uniquely identifies a translation job.
PartitionId	Identifies the partition (1) of a translation job.
UserToken	Represents user credentials.

2.2.3.1 TranslationJobSettings

The **TranslationJobSettings** element is a **TranslationJobSettings** (section [2.2.4.3](#)) value that specifies a collection of preferred settings for all translation items within a translation job.

```
<xs:element minOccurs="0" name="Settings" nillable="true"
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2011/10/translationJobSettings" type="q2:TranslationJobSettings"/>
```

2.2.3.2 GroupId

The **GroupId** element contains a 2-byte, signed integer value that identifies a translation group within a translation job, as follows:

- The value **MUST** be a non-negative integer.
- The value **MUST** be less than 32,768.
- The protocol client **MUST** specify a unique value for each translation group within the same translation job.

```
<xs:element minOccurs="0" name="GroupId" type="xs:short"/>
```

2.2.3.3 JobId

The **JobId** element contains an 8-byte, unsigned integer value that uniquely identifies a translation job, as follows:

- The protocol client **MUST** specify a unique 8-byte value for each translation job.
- When used with the **stored procedures, result sets** and XML structures specified in [\[MS-TSSPROC\]](#), the value **MUST** be represented as an 8-byte, signed integer value.

```
<xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
```

2.2.3.4 PartitionId

The **PartitionId** element contains a **guid** (section [2.2.5.1](#)) value identifying the partition (1) of a translation job.

```
<xs:element minOccurs="0" name="PartitionId" nillable="true"
xmlns:q1="http://schemas.microsoft.com/2003/10/Serialization/" type="q1:guid"/>
```

2.2.3.5 UserToken

The **UserToken** element is a variable-length structure that represents user credentials, encoded as a **base64Binary** value. The user credentials **MUST** be serialized user information as document in [\[MS-SPS2SAUTH\]](#) section 3.1.7.

```
<xs:element minOccurs="0" name="UserToken" nillable="true" type="xs:base64Binary"/>
```

2.2.4 Complex Types

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

Complex Type	Description
ArrayOfstring	The ArrayOfstring complex type represents an array of arbitrary string values.
TranslationJobSettings	The TranslationJobSettings complex type specifies a collection of preferred settings for all translation items within a translation job.
UserNotFoundFault	The UserNotFoundFault complex type indicates that adding a translation job failed because the user which attempted to add the translation job is unknown.

2.2.4.1 ArrayOfstring

Namespace: <http://schemas.microsoft.com/2003/10/Serialization/Arrays>

The **ArrayOfstring** complex type represents an array of arbitrary string values.

```
<xs:complexType name="ArrayOfstring" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

string: A string value.

2.2.4.2 UserNotFoundFault

Namespace: <http://schemas.microsoft.com/office/server/translation/2010/11/service>

The **UserNotFoundFault** complex type indicates that adding a translation job failed because the user which attempted to add the translation job is unknown.

```
<xs:complexType name="UserNotFoundFault" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence/>
</xs:complexType>
```

2.2.4.3 TranslationJobSettings

Namespace:

<http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings>

The **TranslationJobSettings** complex type specifies a collection of preferred settings for all translation items within a translation job.

```
<xs:complexType name="TranslationJobSettings" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element
xmlns:tns5="http://schemas.microsoft.com/office/server/translation/2010/11/service"
minOccurs="0" name="OutputSaveBehavior" type="tns5:SaveBehavior"/>
    <xs:element minOccurs="0" name="TargetLanguage" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

OutputSaveBehavior: A SaveBehavior (section 2.2.5.2) value that specifies the preferred overwrite behavior of the output file of a translation item when the output file already exists.

TargetLanguage: A language tag as defined in [RFC1766] identifying the language into which translation items will be translated.

2.2.5 Simple Types

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

Simple type	Description										
guid	A string representing a GUID or unique identifier.										
SaveBehavior	<p>A string value specifying the preferred overwrite behavior of the output file of a translation item when the output file already exists.</p> <p>The following table specifies the allowable values for SaveBehavior.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>AppendIfPossible</td> <td>If the output file location supports version history, append to the file's version history. If the output file location does not support version history, overwrite the existing file.</td> </tr> <tr> <td>AlwaysOverwrite</td> <td>Always overwrite the existing file.</td> </tr> <tr> <td>AppendOnly</td> <td>If the output file location supports version history, append to the file's version history. If the output file location does not support version history, do not save the output file.</td> </tr> <tr> <td>NeverOverwrite</td> <td>Never overwrite an existing file.</td> </tr> </tbody> </table>	Value	Meaning	AppendIfPossible	If the output file location supports version history, append to the file's version history. If the output file location does not support version history, overwrite the existing file.	AlwaysOverwrite	Always overwrite the existing file.	AppendOnly	If the output file location supports version history, append to the file's version history. If the output file location does not support version history, do not save the output file.	NeverOverwrite	Never overwrite an existing file.
Value	Meaning										
AppendIfPossible	If the output file location supports version history, append to the file's version history. If the output file location does not support version history, overwrite the existing file.										
AlwaysOverwrite	Always overwrite the existing file.										
AppendOnly	If the output file location supports version history, append to the file's version history. If the output file location does not support version history, do not save the output file.										
NeverOverwrite	Never overwrite an existing file.										

2.2.5.1 guid

Namespace: http://schemas.microsoft.com/2003/10/Serialization/

A string representing a GUID or unique identifier.

```
<xs:simpleType name="guid" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:pattern value="\{da-fA-F\}{8}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{12}"/>
  </xs:restriction>
</xs:simpleType>
```

2.2.5.2 SaveBehavior

Namespace: http://schemas.microsoft.com/office/server/translation/2010/11/service

A string value specifying the preferred overwrite behavior of the output file of a translation item when the output file already exists.

The following table specifies the allowable values for **SaveBehavior**.

Value	Meaning
AppendIfPossible	If the output file location supports version history, append to the file's version history. If the output file location does not support version history, overwrite the existing file.
AlwaysOverwrite	Always overwrite the existing file.
AppendOnly	If the output file location supports version history, append to the file's version history. If the output file location does not support version history, do not save the output file.
NeverOverwrite	Never overwrite an existing file.

```
<xs:simpleType name="SaveBehavior" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string"/>
</xs:simpleType>
```

2.2.6 Attributes

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

2.2.7 Groups

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

2.2.8 Attribute Groups

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

3 Protocol Details

In the following sections, the schema definition might differ from the processing rules imposed by the protocol. The WSDL in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL might specify differences 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**, **present**, and **not null**.

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 that are made by the higher-layer protocol or application are passed directly to the transport, and the results that are returned by the transport are passed directly to the higher-layer protocol or application.

Except where specified, protocol clients SHOULD interpret Hypertext Transfer Protocol (HTTP) status codes that are returned by the protocol server as specified in [\[RFC2616\]](#), section 10.

This protocol allows protocol servers to notify protocol clients of application-level faults by using SOAP faults. Except where otherwise specified, these SOAP faults are not significant for interoperability and protocol clients can interpret them in an implementation-specific manner.

This protocol allows protocol servers to perform implementation-specific authorization checks and to notify protocol clients of authorization faults by using either HTTP status codes or SOAP faults, as specified previously in this section.

3.1 Translation Server Details

3.1.1 Abstract Data Model

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

This protocol uses the following three basic data structures:

- translation item: A single translation from an input file to an output file.
- translation group: A hierarchical grouping of translation items based on input file path and output file path. A translation group is comprised of one or more translation items.
- translation job: A logical group of translation groups that also contains translation settings that apply to all translation items within the translation groups. A translation job is comprised of one or more translation groups.

The protocol client builds up a translation job and sends it to the protocol server which stores the data unchanged. The protocol client adds a translation job as follows:

1. The protocol client first calls the **AddJob** operation to add a new translation job, specifying the translation job identifier, translation job settings and other data that applies to all translation groups and translation items in the translation job.
2. For each translation group in the translation job, the protocol client calls the **AddGroup** operation, specifying the translation group identifier, all translation items in the translation group and other data that applies to all translation items in the translation group.

3. After all translation groups have been added to the translation job, the protocol client submits the translation job by calling the **SubmitJob** operation.

The protocol client initiates the translation of one or more translation items on the protocol server using the **ConvertBatch** operation. After a translation item has either failed or successfully finished, the protocol server is responsible for updating the status of the translation items in the database.

The protocol client is able to retrieve a list of translation jobs, including the translation job identifier and other metadata, with the **GetJobs** operation. The overall status of a specific translation job is returned by the **GetJobStatus** operation. To check the status of a specific translation item, the protocol client first uses the **GetGroups** operation to retrieve the list of translation groups in a translation job and then uses the **GetItems** operation to retrieve the individual translation items in each translation group.

The protocol client is also able to submit an **immediate translation job**, which only contains a single translation item, using the **AddSyncJob** or **AddSyncStreamJob** operations. The protocol server gives higher priority to immediate translation jobs. The protocol client uses the **BatchGetSyncJobStatus** operation to check the status of immediate translation jobs. The protocol client is unable to check the status of immediate translation jobs using the **GetJobs**, **GetJobStatus**, **GetGroups**, or **GetItems** operations.

3.1.2 Timers

None.

3.1.3 Initialization

None.

3.1.4 Message Processing Events and Sequencing Rules

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

Operation	Description
AddGroup	Adds a group of translation items to a translation job.
AddJob	Adds a new translation job to the queue.
AddSyncJob	Adds an immediate translation job from a source file path and a destination file path.
AddSyncStreamJob	Adds an immediate translation job from a stream containing the input file.
BatchGetSyncJobStatus	Get the status of a number of immediate translation jobs.
CancelJob	Marks a translation job as canceled.
ConvertBatch	Initiates the translation of a batch of translation items.
GetConfiguration	Returns information to the protocol client about the configuration of the protocol server.
GetGroups	Gets a translation job and the translation groups within the translation job.
GetId	Gets the unique identifier of a currently running instance of the protocol server.

Operation	Description
GetItems	Gets the translation items in a translation group.
GetJobs	Gets a list of translation jobs.
GetJobStatus	Gets the status of a translation job.
GetSyncStreamOutputBytes	Retrieves the output file for the immediate translation job that was submitted with the AddSyncStreamJob (section 3.1.4.4) WSDL operation .
Ping	Contacts a protocol server to determine the responsiveness of the service.
SubmitJob	Marks a translation job as submitted to specify that all translation groups in a translation job have been added.

3.1.4.1 AddGroup

Adds a group of translation items to a translation job.

```
<wsdl:operation name="AddGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup"
    name="AddGroupRequest" message="tns5:AddGroupRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response"
    name="AddGroupResponse" message="tns5:AddGroupResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends an **AddGroupRequest** (section [3.1.4.1.1.1](#)) request **WSDL message** for each group of translation items being added to a translation job.

The protocol server MUST call the **proc_AddGroup** stored procedure, as specified in [\[MS-TSSPROC\]](#) section 3.1.5.1. The following table specifies the parameter values for the stored procedure.

Parameter	Value
@JobId	This MUST be the translation job identifier specified by the JobId element.
@GroupId	This MUST be the translation group identifier specified by the GroupId element.
@InputRoot	This MUST be the root input path specified by the InputRoot element.
@OutputRoot	This MUST be the root output path specified by the OutputRoot element.
@MaxAttemptsCount	This MUST be an integer value specifying the maximum number of translation attempts for each translation item.
@JobXml	This MUST be the list of translation item relative paths specified by the Items element. This list MUST be encoded as XML according to the XML schema definition (XSD) specified in [MS-TSSPROC] section 2.2.6.4.2 with a root element of group . The following pseudocode specifies how to create the XML from the Items element:

Parameter	Value
	<pre> WRITE START ELEMENT 'group' FOR TranslationItem = 0 TO COUNT(AddGroupRequest.Items) WRITE START ELEMENT 'item' WITH WITH ATTRIBUTES 'id' = TranslationItem + 1 'in' = AddGroupRequest.Items[TranslationItem] 'out' = AddGroupRequest.OutputItems[TranslationItem] WRITE END ELEMENT 'item' ENDFOR WRITE END ELEMENT 'group' </pre>

The protocol server MUST respond with an **AddGroupResponse** (section [3.1.4.1.1.2](#)) message.

3.1.4.1.1 Messages

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

Message	Description
AddGroupRequest	The request WSDL message for the AddGroup WSDL operation.
AddGroupResponse	The response WSDL message for the AddGroup WSDL operation.

3.1.4.1.1.1 AddGroupRequest

The request WSDL message for the **AddGroup** WSDL operation.

The **SOAP action** value is:

```
http://schemas.microsoft.com/office/server/translation/2010/11/addGroup
```

The **SOAP body** contains the **AddGroupRequest** element.

3.1.4.1.1.2 AddGroupResponse

The response WSDL message for the **AddGroup** WSDL operation.

The SOAP body contains the **AddGroupResponse** element.

3.1.4.1.2 Elements

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

Element	Description
AddGroupRequest	The input data for the AddGroup WSDL operation.
AddGroupResponse	The result data for the AddGroup WSDL operation.

3.1.4.1.2.1 AddGroupRequest

The input data for the **AddGroup** WSDL operation.

```
<xs:element name="AddGroupRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GroupId" type="xs:short"/>
      <xs:element minOccurs="0" name="InputRoot" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="Items" nillable="true" type="tns:ArrayOfstring"/>
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
      <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="OutputItems" nillable="true" type="tns:ArrayOfstring"/>
      <xs:element minOccurs="0" name="OutputRoot" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GroupId: A **GroupId** (section [2.2.3.2](#)) element containing a new, unique value generated by the protocol client that identifies the translation group within the translation job. This element **MUST NOT** be null.

InputRoot: A string containing the base of the input path of all translation items in the translation group. This element **MUST NOT** be null.

Items: An **ArrayOfstring** (section [2.2.4.1](#)) element containing the input path of each translation item in the translation group, relative to **InputRoot**. This element **MUST NOT** be null.

JobId: A **JobId** (section [2.2.3.3](#)) element identifying the translation job to which the translation group belongs. This element **MUST NOT** be null.

OutputItems: An **ArrayOfstring** (section [2.2.4.1](#)) element containing the output path of each translation item in the translation group, relative to **OutputRoot**. This element **MUST NOT** be null. The length of the array **MUST** equal the length of the **Items** array.

OutputRoot: A string containing the base of the output path of all translation items in the translation group. This element **MUST NOT** be null.

3.1.4.1.2.2 AddGroupResponse

The result data for the **AddGroup** WSDL operation.

```
<xs:element name="AddGroupResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

3.1.4.1.3 Complex Types

None.

3.1.4.1.4 Simple Types

None.

3.1.4.1.5 Attributes

None.

3.1.4.1.6 Groups

None.

3.1.4.1.7 Attribute Groups

None.

3.1.4.2 AddJob

Adds a new translation job to the queue.

```
<wsdl:operation name="AddJob" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addJob"
    name="AddJobRequest" message="tns5:AddJobRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response"
    name="AddJobResponse" message="tns5:AddJobResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/userNotFoundFault"
    name="UserNotFoundFaultFault"
    message="tns5:ITranslationServiceApplication_AddJob_UserNotFoundFaultFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends an **AddJobRequest** (section [3.1.4.2.1.1](#)) request WSDL message to add a new translation job to the queue.

The protocol server MUST call the **proc_AddJob** stored procedure, as specified in [\[MS-TSSPROC\]](#) section 3.1.5.2. The following table specifies the parameter values for the stored procedure.

Parameter	Value
@JobId	This MUST be the translation job identifier specified by the JobId element.
@Name	This MUST be the string value specified by the Name element.
@UserId	This MUST either be null or a value identifying the user which initiated the request to add a translation job.
@UserToken	This MUST be the binary value specified by the UserToken element if the UserToken element is not null. Otherwise, it MUST be a serialized user token representing the credentials of the user which initiated the request to add a translation job.

Parameter	Value
@PartitionId	This MUST be the partition (1) identifier specified by the PartitionId element.
@Settings	This MUST be a TranslationJobSettings (section 2.2.4.2) element containing the preferred settings specified by the Settings element in the AddJobRequest (section 3.1.4.2.1.1) request WSDL message.
@ItemCount	This MUST be the integer value specified by the ItemCount element.
@MaxItemsPerDay	This MUST be an integer value specifying the maximum number of translation items which can be added in a 24-hour period or null to indicate that there is no limit.
@MaxItemsPerPartitionPerDay	This MUST be an integer value specifying the maximum number of translation items which can be added per partition (1) in a 24-hour period or null to indicate that there is no limit.

The protocol server MUST respond with an **AddJobResponse** (section [3.1.4.2.1.2](#)) message.

The protocol server MUST add the translation job if and only if the number of translation items indicated by the **ItemCount** element does not cause the limits indicated by **@MaxItemsPerDay** and **@MaxItemsPerPartitionPerDay** to be exceeded.

3.1.4.2.1 Messages

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

Message	Description
AddJobRequest	The request WSDL message for the AddJob WSDL operation.
AddJobResponse	The response WSDL message for the AddJob WSDL operation.

3.1.4.2.1.1 AddJobRequest

The request WSDL message for the **AddJob** WSDL operation.

The SOAP action value is:

```
http://schemas.microsoft.com/office/server/translation/2010/11/addJob
```

The SOAP body contains the **AddJobRequest** element.

3.1.4.2.1.2 AddJobResponse

The response WSDL message for the **AddJob** WSDL operation.

The SOAP body contains the **AddJobResponse** element.

3.1.4.2.2 Elements

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

Element	Description
AddJobRequest	The input data for the AddJob WSDL operation.
AddJobResponse	The result data for the AddJob WSDL operation.

3.1.4.2.2.1 AddJobRequest

The input data for the **AddJob** WSDL operation.

```
<xs:element name="AddJobRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ItemCount" type="xs:int"/>
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
      <xs:element minOccurs="0" name="Name" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
      <xs:element minOccurs="0" name="UserToken" nillable="true" type="xs:base64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

ItemCount: An integer indicating the number of translation items which this translation job will contain. This element MUST NOT be null.

JobId: A **JobId** (section [2.2.3.3](#)) element containing a new, unique value generated by the protocol client that identifies the translation job. This element MUST NOT be null.

Name: An optional string that is stored along with the translation job.

PartitionId: A **PartitionId** (section [2.2.3.4](#)) element identifying the partition (1) of the translation job.

Settings: A **TranslationJobSettings** (section [2.2.3.1](#)) element that provides a collection of preferred settings for all translation items within the translation job. This element MUST NOT be null.

UserToken: A **UserToken** (section [2.2.3.5](#)) element that provides user credentials for accessing the input and output files in the translation job.

3.1.4.2.2.2 AddJobResponse

The result data for the **AddJob** WSDL operation.

```
<xs:element name="AddJobResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
```

```

    <xs:element
      xmlns:q3="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response"
      minOccurs="0" ref="q3:JobAdded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

q3:JobAdded: A **boolean** value indicating whether the translation job was added or not. This element **MUST** be true if the translation job was added and **MUST** be false if the translation job was not added.

3.1.4.2.3 Complex Types

None.

3.1.4.2.4 Simple Types

None.

3.1.4.2.5 Attributes

None.

3.1.4.2.6 Groups

None.

3.1.4.2.7 Attribute Groups

None.

3.1.4.3 AddSyncJob

Adds an immediate translation job from a source file path and a destination file path.

```

<wsdl:operation name="AddSyncJob" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob"
    name="AddSyncJobRequest" message="tns5:AddSyncJobRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob/respon
    se" name="AddSyncJobResponse" message="tns5:AddSyncJobResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends an **AddSyncJobRequest** request WSDL message to create an immediate translation job.

The protocol server **MUST** respond with an **AddSyncJobResponse** response WSDL message.

3.1.4.3.1 Messages

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

Message	Description
AddSyncJobRequest	The request WSDL message for the AddSyncJob WSDL operation.
AddSyncJobResponse	The response WSDL message for the AddSyncJob WSDL operation.

3.1.4.3.1.1 AddSyncJobRequest

The request WSDL message for the **AddSyncJob** WSDL operation.

The SOAP action value is:

```
http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob
```

The SOAP body contains the **AddSyncJobRequest** element.

3.1.4.3.1.2 AddSyncJobResponse

The response WSDL message for the **AddSyncJob** WSDL operation.

The SOAP body contains the **AddSyncJobResponse** element.

3.1.4.3.2 Elements

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

Element	Description
AddSyncJobRequest	The input data for the AddSyncJob WSDL operation.
AddSyncJobResponse	The result data for the AddSyncJob WSDL operation.

3.1.4.3.2.1 AddSyncJobRequest

The input data for the **AddSyncJob** WSDL operation.

```
<xs:element name="AddSyncJobRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="InputWebUrl" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
      <xs:element minOccurs="0" name="OutputWebUrl" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
      <xs:element minOccurs="0" name="inputUrl" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="outputUrl" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

InputWebUrl: A string value containing the root path of the input file of the immediate translation job. This element MUST NOT be null.

JobId: A **JobId** (section [2.2.3.3](#)) element identifying the immediate translation job. This element MUST NOT be null.

OutputWebUrl: A string value containing the root path of the output file of the immediate translation job. This element MUST NOT be null.

PartitionId: A **PartitionId** (section [2.2.3.4](#)) element identifying the partition (1) of the immediate translation job.

Settings: A **TranslationJobSettings** (section [2.2.3.1](#)) element that provides a collection of preferred settings for the immediate translation job. This element MUST NOT be null.

inputUrl: A string value containing the input path relative to **InputWebUrl** of the immediate translation job. This element MUST NOT be null.

outputUrl: A string value containing the output path relative to **OutputWebUrl** of the immediate translation job. This element MUST NOT be null.

3.1.4.3.2 AddSyncJobResponse

The result data for the **AddSyncJob** WSDL operation.

```
<xs:element name="AddSyncJobResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ErrorCode" nillable="true" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

ErrorCode: An integer value specifying the error code of a failed immediate translation job. If the immediate translation job succeeded, this element MUST be null. If the immediate translation job failed, this element MUST NOT be null or 0. If the immediate translation job is in progress, this element MUST be 0, and the protocol client MUST use **BatchGetSyncJobStatus** (section [3.1.4.5](#)) to get the final result of the translation.

3.1.4.3.3 Complex Types

None.

3.1.4.3.4 Simple Types

None.

3.1.4.3.5 Attributes

None.

3.1.4.3.6 Groups

None.

3.1.4.3.7 Attribute Groups

None.

3.1.4.4 AddSyncStreamJob

Adds an immediate translation job from a stream containing the input file.

```
<wsdl:operation name="AddSyncStreamJob" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob"
    name="AddSyncStreamJobRequest" message="tns5:AddSyncStreamJobRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/
    response" name="AddSyncStreamJobResponse" message="tns5:AddSyncStreamJobResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends an **AddSyncStreamJobRequest** request WSDL message to create an immediate translation job. If protocol client cannot send the entire input file in a single request, due to a request size limit, the protocol client **MUST** make multiple **AddSyncStreamJobRequest** requests with the same **JobId**, sending a portion of the input file in each request.

The protocol server **MUST** respond with an **AddSyncStreamJobResponse** response WSDL message.

3.1.4.4.1 Messages

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

Message	Description
AddSyncStreamJobRequest	The request WSDL message for the AddSyncStreamJob WSDL operation.
AddSyncStreamJobResponse	The response WSDL message for the AddSyncStreamJob WSDL operation.

3.1.4.4.1.1 AddSyncStreamJobRequest

The request WSDL message for the **AddSyncStreamJob** WSDL operation.

The SOAP action value is:

```
http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob
```

The SOAP body contains the **AddSyncStreamJobRequest** element.

3.1.4.4.1.2 AddSyncStreamJobResponse

The response WSDL message for the **AddSyncStreamJob** WSDL operation.

The SOAP body contains the **AddSyncStreamJobResponse** element.

3.1.4.4.2 Elements

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

Element	Description
AddSyncStreamJobRequest	The input data for the AddSyncStreamJob WSDL operation.
AddSyncStreamJobResponse	The result data for the AddSyncStreamJob WSDL operation.

3.1.4.4.2.1 AddSyncStreamJobRequest

The input data for the **AddSyncStreamJob** WSDL operation.

```
<xs:element name="AddSyncStreamJobRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="FileOpenFormat" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="InputStreamInBytes" nillable="true"
type="xs:base64Binary"/>
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
      <xs:element minOccurs="0" name="MoreBytesToReceive" type="xs:boolean"/>
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

FileOpenFormat: The **file extension** representing the file format of the input stream. This element MUST be one of the supported file extension values returned by the **Extensions** element of a **GetConfigurationResponse** (section [3.1.4.8.2.2](#)).

InputStreamInBytes: The array of bytes of the input file for the immediate translation job. This element MUST NOT be null.

JobId: A **JobId** (section [2.2.3.3](#)) element identifying the immediate translation job. This element MUST NOT be null.

MoreBytesToReceive: The **boolean** value specifying that there are more bytes for the input file. If this is true, the protocol client MUST call the **AddSyncStreamJob** WSDL operation with the same **JobId** and the next array of bytes of the input file.

PartitionId: A **PartitionId** (section [2.2.3.4](#)) element identifying the partition (1) of the immediate translation job.

Settings: A **TranslationJobSettings** (section [2.2.3.1](#)) element that provides a collection of preferred settings for the immediate translation job. This element MUST NOT be null.

3.1.4.4.2.2 AddSyncStreamJobResponse

The result data for the **AddSyncStreamJob** WSDL operation.

```

<xs:element name="AddSyncStreamJobResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ErrorCode" nillable="true" type="xs:int"/>
      <xs:element minOccurs="0" name="OutputStreamInBytes" nillable="true"
type="xs:base64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

ErrorCode: An integer value specifying the error code of a failed immediate translation job. If the immediate translation job succeeded, this element **MUST** be null. If the immediate translation job failed, this element **MUST NOT** be null or 0. If the immediate translation job is in progress, this element **MUST** be 0, and the protocol client **MUST** use **BatchGetSyncJobStatus** (section [3.1.4.5](#)) to get the final result of the translation.

OutputStreamInBytes: The array of bytes that contains the output file.

If **ErrorCode** is null and **OutputStreamInBytes** is not null, then **OutputStreamInBytes** **MUST** contain the output file.

If **ErrorCode** is null and **OutputStreamInBytes** is null, then the protocol client **MUST** get the output file with the **GetSyncStreamOutputBytes** (section [3.1.4.14](#)) WSDL operation.

3.1.4.4.3 Complex Types

None.

3.1.4.4.4 Simple Types

None.

3.1.4.4.5 Attributes

None.

3.1.4.4.6 Groups

None.

3.1.4.4.7 Attribute Groups

None.

3.1.4.5 BatchGetSyncJobStatus

Get the status of a number of immediate translation jobs.

```

<wsdl:operation name="BatchGetSyncJobStatus" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus"
name="BatchGetSyncJobStatusRequest" message="tns5:BatchGetSyncJobStatusRequest"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl1"/>
  <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/

```

```

response" name="BatchGetSyncJobStatusResponse" message="tns5:BatchGetSyncJobStatusResponse"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BatchGetSyncJobStatusRequest** request WSDL message to get the status of a number of immediate translation jobs.

The protocol server MUST respond with an **BatchGetSyncJobStatusResponse** response WSDL message.

3.1.4.5.1 Messages

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

Message	Description
BatchGetSyncJobStatusRequest	The request WSDL message for the BatchGetSyncJobStatus WSDL operation.
BatchGetSyncJobStatusResponse	The response WSDL message for the BatchGetSyncJobStatus WSDL operation.

3.1.4.5.1.1 BatchGetSyncJobStatusRequest

The request WSDL message for the **BatchGetSyncJobStatus** WSDL operation.

The SOAP action value is:

```

http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus

```

The SOAP body contains the **BatchGetSyncJobStatusRequest** element.

3.1.4.5.1.2 BatchGetSyncJobStatusResponse

The response WSDL message for the **BatchGetSyncJobStatus** WSDL operation.

The SOAP body contains the **BatchGetSyncJobStatusResponse** element.

3.1.4.5.2 Elements

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

Element	Description
BatchGetSyncJobStatusRequest	The input data for the BatchGetSyncJobStatus WSDL operation.
BatchGetSyncJobStatusResponse	The result data for the BatchGetSyncJobStatus WSDL operation.

3.1.4.5.2.1 BatchGetSyncJobStatusRequest

The input data for the **BatchGetSyncJobStatus** WSDL operation.

```

<xs:element name="BatchGetSyncJobStatusRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="JobIds" nillable="true" type="tns:ArrayOfunsignedLong"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

JobIds: An array of **JobId** (section [2.2.3.3](#)) representing the immediate translation jobs for which the status is requested.

3.1.4.5.2.2 BatchGetSyncJobStatusResponse

The result data for the **BatchGetSyncJobStatus** WSDL operation.

```

<xs:element name="BatchGetSyncJobStatusResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q4="http://schemas.datacontract.org/2004/07/System" minOccurs="0"
name="ErrorCodes" nillable="true" type="q4:ArrayOfNullableOfint"/>
      <xs:element minOccurs="0" name="MoreBytesToReceive" type="xs:boolean"/>
      <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="OutputStreamsInBytes" nillable="true" type="tns:ArrayOfbase64Binary"/>
      <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="JobIds" nillable="true" type="tns:ArrayOfunsignedLong"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

ErrorCodes: An array of **ErrorCode**, which is an integer value specifying the error code of a failed immediate translation job. If the immediate translation job succeeded, the value **MUST** be null. If the immediate translation job failed, the value **MUST NOT** be null or 0. If the immediate translation job is in progress, the value **MUST** be 0, and the protocol client **MUST** make another **BatchGetSyncJobStatus** request to get the final result of the translation. The sequence of **ErrorCodes** must be aligned with the sequence of the array of **JobIds**.

MoreBytesToReceive: A **boolean** value that is set to true when the total size of the output files is too large to send in one **BatchGetSyncJobStatusResponse**. When the value of **MoreBytesToReceive** is set to true it indicates that there are some output files that have been translated, but not sent back in this **BatchGetSyncJobStatusResponse** element.

OutputStreamsInBytes: This is a two-dimensional array of bytes. The first dimension matches the **JobIds** array. The second dimension of bytes is the output file's byte stream.

JobIds: An array of **JobId** (section [2.2.3.3](#)). This array is copied from the **jobIds** in the **BatchGetSyncJobStatusRequest** (section [3.1.4.5.1.1](#)).

3.1.4.5.3 Complex Types

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

Complex type	Description
ArrayOfunsignedLong	An array of unsignedlong .
ArrayOfNullableOfint	An array of nullable int .
ArrayOfbase64Binary	An array of base64Binary .

3.1.4.5.3.1 ArrayOfNullableOfint

Namespace: http://schemas.datacontract.org/2004/07/System

An array of nullable **int**.

```
<xs:complexType name="ArrayOfNullableOfint" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="int" nillable="true"
      type="xs:int"/>
  </xs:sequence>
</xs:complexType>
```

int: A 32-bit signed integer.

3.1.4.5.3.2 ArrayOfbase64Binary

Namespace: http://schemas.microsoft.com/2003/10/Serialization/Arrays

An array of **base64Binary**.

```
<xs:complexType name="ArrayOfbase64Binary" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="base64Binary" nillable="true"
      type="xs:base64Binary"/>
  </xs:sequence>
</xs:complexType>
```

base64Binary: An element of base64 encoding.

3.1.4.5.3.3 ArrayOfunsignedLong

Namespace: http://schemas.microsoft.com/2003/10/Serialization/Arrays

An array of **unsignedlong**.

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

unsignedLong: A 32-bit unsigned integer.

3.1.4.5.4 Simple Types

None.

3.1.4.5.5 Attributes

None.

3.1.4.5.6 Groups

None.

3.1.4.5.7 Attribute Groups

None.

3.1.4.6 CancelJob

Marks a translation job as canceled.

```
<wsdl:operation name="CancelJob" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob"
    name="CancelJobRequest" message="tns5:CancelJobRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response"
    name="CancelJobResponse" message="tns5:CancelJobResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **CancelJobRequest** (section [3.1.4.6.1.1](#)) request WSDL message to mark a translation job as canceled.

The protocol server MUST call the **proc_CancelJob** stored procedure, as specified in [\[MS-TSSPROC\]](#) section 3.1.5.4. The following table specifies the parameter values for the stored procedure.

Parameter	Value
@JobId	This MUST be the translation job identifier specified by the JobId element.
@PartitionId	This MUST be the partition (1) identifier specified by the PartitionId element.

The protocol server MUST respond with a **CancelJobResponse** (section [3.1.4.6.1.2](#)) response WSDL message.

3.1.4.6.1 Messages

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

Message	Description
CancelJobRequest	The request WSDL message for the CancelJob WSDL operation.

Message	Description
CancelJobResponse	The response WSDL message for the CancelJob WSDL operation.

3.1.4.6.1.1 CancelJobRequest

The request WSDL message for the **CancelJob** WSDL operation.

The SOAP action value is:

```
http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob
```

The SOAP body contains the **CancelJobRequest** element.

3.1.4.6.1.2 CancelJobResponse

The response WSDL message for the **CancelJob** WSDL operation.

The SOAP body contains the **CancelJobResponse** element.

3.1.4.6.2 Elements

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

Element	Description
CancelJobRequest	The input data for the CancelJob WSDL operation.
CancelJobResponse	The result data for the CancelJob WSDL operation.

3.1.4.6.2.1 CancelJobRequest

The input data for the **CancelJob** WSDL operation.

```
<xs:element name="CancelJobRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

JobId: A **JobId** (section [2.2.3.3](#)) element identifying the translation job to mark as canceled. This element MUST NOT be null.

PartitionId: A **PartitionId** (section [2.2.3.4](#)) element identifying the partition (1) of the translation job.

3.1.4.6.2.2 CancelJobResponse

The result data for the **CancelJob** WSDL operation.

```
<xs:element name="CancelJobResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

3.1.4.6.3 Complex Types

None.

3.1.4.6.4 Simple Types

None.

3.1.4.6.5 Attributes

None.

3.1.4.6.6 Groups

None.

3.1.4.6.7 Attribute Groups

None.

3.1.4.7 ConvertBatch

Initiates the translation of a batch of translation items.

```
<wsdl:operation name="ConvertBatch" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
    name="ConvertBatchRequest" message="tns5:ConvertBatchRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **ConvertBatchRequest** (section [3.1.4.7.1.1](#)) request WSDL message to initiate the translation of a batch of translation items on the currently running instance of the protocol server. The protocol server MUST initiate the translation of each translation item specified by a **ConvertBatchItem** element in the **Items** child element of the **ConvertBatchRequest** (section [3.1.4.7.1.1](#)) request WSDL message.

When a translation item has successfully finished, the protocol server MUST call the **proc_UpdateSucceededItem** stored procedure, as specified in [\[MS-TSSPROC\]](#) section 3.1.5.18. The following table specifies the parameter values for the stored procedure.

Parameter	Value
@JobId	MUST be the translation job identifier specified by the JobId child element of the ConvertBatchItem element for the translation item.
@GroupId	MUST be the translation group identifier specified by the GroupId child element of the ConvertBatchItem element for the translation item.
@ItemId	MUST be the translation item identifier specified by the ItemId child element of the ConvertBatchItem element for the translation item.

When a translation item has failed, the protocol server MUST call the **proc_UpdateFailedItem** stored procedure, as specified in [\[MS-TSSPROC\]](#) section 3.1.5.16. The following table specifies the parameter values for the stored procedure.

Parameter	Value
@JobId	MUST be the translation job identifier specified by the JobId child element of the ConvertBatchItem element for the translation item.
@GroupId	MUST be the translation group identifier specified by the GroupId child element of the ConvertBatchItem element for the translation item.
@ItemId	MUST be the translation item identifier specified by the ItemId child element of the ConvertBatchItem element for the translation item.
@NoRetry	Specifies whether the translation item should not be retried. This value MUST NOT be null.
@ErrorCode	Specifies the error code of the failure. This value MUST NOT be null.

The translation process is asynchronous. There is no response message for the **ConvertBatch** WSDL operation. Clients can query the status of the translation job using the **GetJobStatus** WSDL operation as specified in section [3.1.4.13](#).

3.1.4.7.1 Messages

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

Message	Description
ConvertBatchRequest	The request WSDL message for the ConvertBatch WSDL operation.

3.1.4.7.1.1 ConvertBatchRequest

The request WSDL message for the **ConvertBatch** WSDL operation.

The SOAP action value is:

`http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch`

The SOAP body contains the **ConvertBatchRequest** element.

3.1.4.7.2 Elements

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

Element	Description
ConvertBatchRequest	The input data for the ConvertBatch WSDL operation.

3.1.4.7.2.1 ConvertBatchRequest

The input data for the **ConvertBatch** WSDL operation.

```
<xs:element name="ConvertBatchRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element
        xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
        minOccurs="0" name="Items" nillable="true" type="q1:ArrayOfConvertBatchItem"/>
      <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="0" name="Jobs" nillable="true"
        type="tns:ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Items: An **ArrayOfConvertBatchItem** element containing the set of translation items to be translated. This element MUST NOT be null.

Jobs: An **ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ** element that represents a **dictionary** of translation jobs to which the translation items in the **ConvertBatchRequest** request WSDL message belong. This element MUST NOT be null.

3.1.4.7.3 Complex Types

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

Complex type	Description
ArrayOfConvertBatchItem	Contains a set of ConvertBatchItem elements representing the translation items for which translation is being initiated.
ConvertBatchItem	Represents a single translation item.
ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ	Contains a dictionary of translation jobs to which the translation items belong.
ConvertBatchJob	Represents a single translation job to which one or more translation items belong.

3.1.4.7.3.1 ArrayOfConvertBatchItem

Namespace: <http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch>

The **ArrayOfConvertBatchItem** complex type contains a set of **ConvertBatchItem** elements representing the translation items for which translation is being initiated.

```
<xs:complexType name="ArrayOfConvertBatchItem" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element
      xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
      minOccurs="0" maxOccurs="unbounded" name="ConvertBatchItem" nillable="true"
      type="q1:ConvertBatchItem"/>
  </xs:sequence>
</xs:complexType>
```

ConvertBatchItem: A single **ConvertBatchItem** element representing a single translation item.

3.1.4.7.3.2 ConvertBatchItem

Namespace: http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch

The **ConvertBatchItem** complex type represents a single translation item in a **ConvertBatchRequest** request WSDL message.

```
<xs:complexType name="ConvertBatchItem" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="GroupId" type="xs:short"/>
    <xs:element minOccurs="0" name="InputFile" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="InputWebUrl" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="ItemId" type="xs:int"/>
    <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
    <xs:element minOccurs="0" name="OutputFile" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="OutputWebUrl" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

GroupId: A **GroupId** (section [2.2.3.2](#)) element that identifies the translation group to which the translation item belongs. This element MUST NOT be null.

InputFile: A string value containing the path relative to **InputWebUrl** for the input file of the translation item. This element MUST NOT be null.

InputWebUrl: A string value containing the base path of the input file. This element MUST NOT be null.

ItemId: An integer value that identifies the translation item within the translation group to which the translation item belongs. This element MUST NOT be null.

JobId: A **JobId** (section [2.2.3.3](#)) element that identifies the translation job to which the translation item belongs. This element MUST NOT be null.

OutputFile: A string value containing the path relative to **OutputWebUrl** for the output file of the translation item. This element MUST NOT be null.

OutputWebUrl: A string value containing the base path of the output file. This element MUST NOT be null.

3.1.4.7.3.3 ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ

Namespace: http://schemas.microsoft.com/2003/10/Serialization/Arrays

The **ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ** complex type represents a dictionary of translation jobs to which the translation items in the **ConvertBatchRequest** request WSDL message belong.

```
<xs:complexType name="ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded"
name="KeyValueOfunsignedLongConvertBatchJob98aftgpZ">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Key" type="xs:unsignedLong"/>
          <xs:element
xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="Value" nillable="true" type="q1:ConvertBatchJob"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

KeyValueOfunsignedLongConvertBatchJob98aftgpZ: A single dictionary entry representing a translation job and the unique identifier of that translation job.

KeyValueOfunsignedLongConvertBatchJob98aftgpZ.Key: The key of the dictionary entry containing an integer value that uniquely identifies the translation job.

KeyValueOfunsignedLongConvertBatchJob98aftgpZ.Value: The **ConvertBatchJob** value of the dictionary entry.

3.1.4.7.3.4 ConvertBatchJob

Namespace: http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch

The **ConvertBatchJob** complex type represents a single translation job to which one or more translation items in the **ConvertBatchRequest** request WSDL message belong.

```
<xs:complexType name="ConvertBatchJob" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="PartitionId" nillable="true" type="tns:guid"/>
    <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"
name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
    <xs:element minOccurs="0" name="UserToken" nillable="true" type="xs:base64Binary"/>
  </xs:sequence>
</xs:complexType>
```

PartitionId: A **PartitionId** (section [2.2.3.4](#)) element identifying the partition (1) of the translation job.

Settings: A **TranslationJobSettings** (section [2.2.3.1](#)) element specifying the preferred settings for the translation items within the translation job.

UserToken: A **UserToken** (section [2.2.3.5](#)) element that provides user credentials for accessing the input and output files of the translation items within the translation job.

3.1.4.7.4 Simple Types

None.

3.1.4.7.5 Attributes

None.

3.1.4.7.6 Groups

None.

3.1.4.7.7 Attribute Groups

None.

3.1.4.8 GetConfiguration

Returns information to the protocol client about the configuration of the protocol server.

```
<wsdl:operation name="GetConfiguration" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration"
    name="GetConfigurationRequest" message="tns5:GetConfigurationRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationResponse"
    name="GetConfigurationResponse" message="tns5:GetConfigurationResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **GetConfigurationRequest** (section [3.1.4.8.1.1](#)) request WSDL message to get information about the following configurable aspects of the protocol server:

- The file extensions representing the document types for which the protocol server supports translation.
- The [RFC1766](#) language tags representing the languages in which the protocol server supports translation.
- The maximum file size of which the protocol server supports translation.

The protocol server MUST respond with a **GetConfigurationResponse** (section [3.1.4.8.1.2](#)) response WSDL message with the configuration information.

The protocol client uses this information to determine what translation operations it can attempt.

3.1.4.8.1 Messages

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

Message	Description
GetConfigurationRequest	The request WSDL message for the GetConfiguration WSDL operation.
GetConfigurationResponse	The response WSDL message for the GetConfiguration WSDL operation.

3.1.4.8.1.1 GetConfigurationRequest

The request WSDL message for the **GetConfiguration** WSDL operation.

The SOAP action value is:

```
http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration
```

The SOAP body contains the **GetConfigurationRequest** element.

3.1.4.8.1.2 GetConfigurationResponse

The response WSDL message for the **GetConfiguration** WSDL operation.

The SOAP body contains the **GetConfigurationResponse** element.

3.1.4.8.2 Elements

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

Element	Description
GetConfigurationRequest	The input data for the GetConfiguration WSDL operation.
GetConfigurationResponse	The result data for the GetConfiguration WSDL operation.

3.1.4.8.2.1 GetConfigurationRequest

The input data for the **GetConfiguration** WSDL operation.

```
<xs:element name="GetConfigurationRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

3.1.4.8.2.2 GetConfigurationResponse

The result data for the **GetConfiguration** WSDL operation.

```
<xs:element name="GetConfigurationResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="0" name="Extensions" nillable="true" type="tns:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

    <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
      minOccurs="0" name="Languages" nillable="true" type="tns:ArrayOfstring"/>
    <xs:element minOccurs="0" name="MaxBinaryFileSize" type="xs:int"/>
    <xs:element minOccurs="0" name="MaxTextFileSize" type="xs:int"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

Extensions: An **ArrayOfstring** (section [2.2.4.1](#)) that contains a list of file extensions representing document types for which the protocol server supports translation. This element MUST NOT be null. For each file extension, the protocol server MUST support any file which conforms to the corresponding file format, but the protocol server MAY [<1>](#) only support translation of a subset of the textual elements that the file format supports.

Languages: An **ArrayOfstring** (section [2.2.4.1](#)) that contains a list of language tags representing languages for which the protocol server supports translation. This element MUST NOT be null. Each language tag MUST be a valid language tag as described in [\[RFC1766\]](#).

MaxBinaryFileSize: An integer indicating the maximum size in bytes supported by the protocol server for a document that has a binary-based file format. This element MUST NOT be null.

MaxTextFileSize: An integer indicating the maximum size in bytes supported by the protocol server for a document that has a text-based file format. This element MUST NOT be null.

3.1.4.8.3 Complex Types

None.

3.1.4.8.4 Simple Types

None.

3.1.4.8.5 Attributes

None.

3.1.4.8.6 Groups

None.

3.1.4.8.7 Attribute Groups

None.

3.1.4.9 GetGroups

Gets a translation job and the translation groups within the translation job.

```

<wsdl:operation name="GetGroups" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups"
    name="GetGroupsRequest" message="tns5:GetGroupsRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/respons

```



```
e" name="GetGroupsResponse" message="tns5:GetGroupsResponse"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsd1"/>
</wsdl:operation>
```

The protocol client sends a **GetGroupsRequest** (section [3.1.4.9.1.1](#)) request WSDL message to get a translation job and all translation groups within the translation job.

The protocol server MUST call the **proc_GetGroups** stored procedure, as specified in [\[MS-TSSPROC\]](#) section 3.1.5.7. The following table specifies the parameter values for the stored procedure.

Parameter	Value
@JobId	This MUST be the translation job identifier specified by the JobId element.
@PartitionId	This MUST be the partition (1) identifier specified by the PartitionId element.

The protocol server MUST respond with a **GetGroupsResponse** (section [3.1.4.9.1.2](#)) response WSDL message based on the result set returned by **proc_GetGroups** ([\[MS-TSSPROC\]](#) section 3.1.5.7) stored procedure. The protocol server MUST write a **GetGroupsGroup** element as a child of the **Groups** element for each row in the **proc_GetGroups.ResultSet0** ([\[MS-TSSPROC\]](#) section 2.2.4.3) result set. The following table specifies how each column value in a row is represented in the **GetGroupsResponse** (section [3.1.4.9.1.2](#)) response WSDL message.

Column	Value
GroupId	This value MUST be represented by the Id child element of the GetGroupsGroup element for the translation group.
InputRoot	This value MUST be represented by the InputRoot child element of the GetGroupsGroup element for the translation group.
OutputRoot	This value MUST be represented by the OutputRoot child element of the GetGroupsGroup element for the translation group.
CreateTime	If this row is the first row in the result set, this value MUST be represented by the CreateTime element of the GetGroupsResponse (section 3.1.4.9.1.2) response WSDL message. For all other rows, this value MUST be ignored.
CancelTime	If this row is the first row in the result set, this value MUST be represented by the CancelTime element of the GetGroupsResponse (section 3.1.4.9.1.2) response WSDL message. For all other rows, this value MUST be ignored.
Submitted	If this row is the first row in the result set, the inverse of this value MUST be represented by the NotSubmitted element of the GetGroupsResponse (section 3.1.4.9.1.2) response WSDL message. For all other rows, this value MUST be ignored.
Settings	If this row is the last row in the result set, the TranslationJobSettings (section 2.2.4.3) element containing the preferred settings MUST be represented by the Settings element of the GetGroupsResponse (section 3.1.4.9.1.2) response WSDL message. For all other rows, this value MUST be ignored.

3.1.4.9.1 Messages

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

Message	Description
GetGroupsRequest	The request WSDL message for the GetGroups WSDL operation.
GetGroupsResponse	The response WSDL message for the GetGroups WSDL operation.

3.1.4.9.1.1 GetGroupsRequest

The request WSDL message for the **GetGroups** WSDL operation.

The SOAP action value is:

```
http://schemas.microsoft.com/office/server/translation/2010/11/getGroups
```

The SOAP body contains the **GetGroupsRequest** element.

3.1.4.9.1.2 GetGroupsResponse

The response WSDL message for the **GetGroups** WSDL operation.

The SOAP body contains the **GetGroupsResponse** element.

3.1.4.9.2 Elements

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

Element	Description
GetGroupsRequest	The input data for the GetGroups WSDL operation.
GetGroupsResponse	The result data for the GetGroups WSDL operation.

3.1.4.9.2.1 GetGroupsRequest

The input data for the **GetGroups** WSDL operation.

```
<xs:element name="GetGroupsRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">  
  <xs:complexType>  
    <xs:sequence>  
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>  
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"  
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>  
    </xs:sequence>  
  </xs:complexType>  
</xs:element>
```

JobId: A **JobId** (section [2.2.3.3](#)) element identifying the translation job. This element MUST NOT be null.

PartitionId: A **PartitionId** (section [2.2.3.4](#)) element identifying the partition (1) of the translation job.

3.1.4.9.2.2 GetGroupsResponse

The result data for the **GetGroups** WSDL operation.

```
<xs:element name="GetGroupsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="CancelTime" nillable="true" type="xs:dateTime"/>
      <xs:element minOccurs="0" name="CreateTime" type="xs:dateTime"/>
      <xs:element minOccurs="0" name="Groups" nillable="true"
type="tns2:ArrayOfGetGroupsGroup"/>
      <xs:element minOccurs="0" name="NotSubmitted" type="xs:boolean"/>
      <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"
minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

CancelTime: A **dateTime** value specifying when the translation job was canceled. If the translation job has not been canceled, the protocol server **MUST** write a null value.

CreateTime: A **dateTime** value specifying when the translation job was created. This element **MUST NOT** be null.

Groups: An **ArrayOfGetGroupsGroup** element containing the translation groups within the translation job.

NotSubmitted: A **boolean** value specifying if the translation job has not been submitted. This element **MUST NOT** be null.

Settings: A **TranslationJobSettings** (section [2.2.4.3](#)) element specifying the preferred settings for all translation items within the translation job. This element **MUST NOT** be null.

3.1.4.9.3 Complex Types

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

Complex type	Description
ArrayOfGetGroupsGroup	Contains a set of GetGroupsGroup elements representing the translation groups in a translation job.
GetGroupsGroup	Represents a single translation group in a translation job.

3.1.4.9.3.1 ArrayOfGetGroupsGroup

Namespace: <http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response>

The **ArrayOfGetGroupsGroup** complex type contains a set of **GetGroupsGroup** elements representing the translation groups in a translation job.

```

<xs:complexType name="ArrayOfGetGroupsGroup" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="GetGroupsGroup" nillable="true"
type="tns2:GetGroupsGroup"/>
  </xs:sequence>
</xs:complexType>

```

GetGroupsGroup: A single **GetGroupsGroup** element representing a single translation group in a translation job.

3.1.4.9.3.2 GetGroupsGroup

Namespace: http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response

The **GetGroupsGroup** complex type represents a single translation group in a translation job.

```

<xs:complexType name="GetGroupsGroup" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="Id" type="xs:short"/>
    <xs:element minOccurs="0" name="InputRoot" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="OutputRoot" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

Id: An integer value identifying the translation group.

InputRoot: This MUST be a string value specifying the base input path of all translation items in the translation group.

OutputRoot: This MUST be a string value specifying the base output path of all translation items in the translation group.

3.1.4.9.4 Simple Types

None.

3.1.4.9.5 Attributes

None.

3.1.4.9.6 Groups

None.

3.1.4.9.7 Attribute Groups

None.

3.1.4.10 GetId

Gets the unique identifier of a currently running instance of the protocol server.

```

<wsdl:operation name="GetId" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">

```

```

    <wsdl:input
      wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getId"
      name="GetIdRequest" message="tns5:GetIdRequest"
      xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:output
      wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getId/response"
      name="GetIdResponse" message="tns5:GetIdResponse"
      xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  </wsdl:operation>

```

The protocol client sends a **GetIdRequest** (section [3.1.4.10.1.1](#)) request WSDL message and the protocol server MUST return a **GetIdResponse** (section [3.1.4.10.1.2](#)) response WSDL message, as follows:

- The protocol server MUST return an identifier that uniquely identifies the current instance of the protocol server.
- The protocol server MUST NOT return an identifier used by another protocol server.
- If the current instance of the protocol server has previously received a **GetIdRequest** (section [3.1.4.10.1.1](#)) request WSDL message, the protocol server MUST return the same identifier returned in the previous **GetIdResponse** (section [3.1.4.10.1.2](#)) response WSDL message.
- If the current instance of the protocol server has not previously received a **GetIdRequest** (section [3.1.4.10.1.1](#)) request WSDL message, the protocol server MUST return a new identifier.

3.1.4.10.1 Messages

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

Message	Description
GetIdRequest	The request WSDL message for the GetId WSDL operation.
GetIdResponse	The response WSDL message for the GetId WSDL operation.

3.1.4.10.1.1 GetIdRequest

The request WSDL message for the **GetId** WSDL operation.

The SOAP action value is:

```
http://schemas.microsoft.com/office/server/translation/2010/11/getId
```

The SOAP body contains the **GetIdRequest** element.

3.1.4.10.1.2 GetIdResponse

The response WSDL message for the **GetId** WSDL operation.

The SOAP body contains the **GetIdResponse** element.

3.1.4.10.2 Elements

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

Element	Description
GetIdRequest	The input data for the GetId WSDL operation.
GetIdResponse	The result data for the GetId WSDL operation.

3.1.4.10.2.1 GetIdRequest

The input data for the **GetId** WSDL operation.

```
<xs:element name="GetIdRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

3.1.4.10.2.2 GetIdResponse

The result data for the **GetId** WSDL operation.

```
<xs:element name="GetIdResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="AssignedItemCount" type="xs:int"/>
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="Id" type="tns1:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

AssignedItemCount: An integer value that specifies the count of translation items the current running instance of the protocol server is translating. This element **MUST NOT** be null.

Id: A **guid** (section [2.2.5.1](#)) element that uniquely identifies the current running instance of the protocol server. This element **MUST NOT** be null.

3.1.4.10.3 Complex Types

None.

3.1.4.10.4 Simple Types

None.

3.1.4.10.5 Attributes

None.

3.1.4.10.6 Groups

None.

3.1.4.10.7 Attribute Groups

None.

3.1.4.11 GetItems

Gets the translation items in a translation group.

```
<wsdl:operation name="GetItems" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
    name="GetItemsRequest" message="tns5:GetItemsRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"
    name="GetItemsResponse" message="tns5:GetItemsResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **GetItemsRequest** (section [3.1.4.11.1.1](#)) request WSDL message to get translation items within a translation group.

The protocol server MUST call the **proc_GetItems** stored procedure, as specified in [\[MS-TSSPROC\]](#) section 3.1.5.9. The following table specifies the parameter values for the stored procedure.

Parameter	Value
@JobId	MUST be the translation job identifier specified by the JobId element.
@GroupId	MUST be the translation group identifier specified by the GroupId element.
@PartitionId	MUST be the partition (1) identifier specified by the PartitionId element.
@NotSubmitted	MUST be the value specified by the NotSubmitted element.
@NotStarted	MUST be the value specified by the NotStarted element.
@InProgress	MUST be the value specified by the InProgress element.
@Succeeded	MUST be the value specified by the Succeeded element.
@Failed	MUST be the value specified by the Failed element.
@Canceled	MUST be the value specified by the Canceled element.

The protocol server MUST respond with a **GetItemsResponse** (section [3.1.4.11.1.2](#)) response WSDL message based on the result set returned by **proc_GetItems** ([\[MS-TSSPROC\]](#) section 3.1.5.9) stored procedure. The protocol server MUST write a **GetItemsItem** element as a child of the **Items** element for each row in the **proc_GetItems.ResultSet0** ([\[MS-TSSPROC\]](#) section 2.2.4.4) result set. The following table specifies how each column value in a row is represented in the **GetItemsResponse** (section [3.1.4.11.1.2](#)) response WSDL message.

Column	Value
ItemId	MUST be represented by the Id child element of the GetItemsItem element for the translation item.
StartTime	MUST be represented by the StartTime child element of the GetItemsItem element for the translation item.
StopTime	MUST be represented by the StopTime child element of the GetItemsItem element for the translation item.
ErrorCode	MUST be represented by the ErrorCode child element of the GetItemsItem element for the translation item.
InputFile	MUST be represented by the InputFile child element of the GetItemsItem element for the translation item.
OutputFile	MUST be represented by the OutputFile child element of the GetItemsItem element for the translation item.

3.1.4.11.1 Messages

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

Message	Description
GetItemsRequest	The request WSDL message for the GetItems WSDL operation.
GetItemsResponse	The response WSDL message for the GetItems WSDL operation.

3.1.4.11.1.1 GetItemsRequest

The request WSDL message for the **GetItems** WSDL operation.

The SOAP action value is:

<http://schemas.microsoft.com/office/server/translation/2010/11/getItems>

The SOAP body contains the **GetItemsRequest** element.

3.1.4.11.1.2 GetItemsResponse

The response WSDL message for the **GetItems** WSDL operation.

The SOAP body contains the **GetItemsResponse** element.

3.1.4.11.2 Elements

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

Element	Description
GetItemsRequest	The input data for the GetItems WSDL operation.

Element	Description
GetItemsResponse	The result data for the GetItems WSDL operation.

3.1.4.11.2.1 GetItemsRequest

The input data for the **GetItems** WSDL operation.

```
<xs:element name="GetItemsRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="Canceled" type="xs:boolean"/>
      <xs:element minOccurs="0" name="Failed" type="xs:boolean"/>
      <xs:element minOccurs="0" name="GroupId" type="xs:short"/>
      <xs:element minOccurs="0" name="InProgress" type="xs:boolean"/>
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
      <xs:element minOccurs="0" name="NotStarted" type="xs:boolean"/>
      <xs:element minOccurs="0" name="NotSubmitted" type="xs:boolean"/>
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      <xs:element minOccurs="0" name="Succeeded" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Canceled: A **boolean** value specifying if unfinished translation items in a canceled translation job are included in the **GetItemsResponse** response WSDL message.

Failed: A **boolean** value specifying if failed translation items in a submitted translation job are included in the **GetItemsResponse** response WSDL message.

GroupId: A **GroupId** (section [2.2.3.2](#)) element identifying the translation group.

InProgress: A **boolean** value specifying if in-progress translation items in a non-canceled, submitted translation job are included in the **GetItemsResponse** response WSDL message.

JobId: A **JobId** (section [2.2.3.3](#)) element identifying the translation job.

NotStarted: A **boolean** value specifying if unstarted translation items in a non-canceled, submitted translation job are included in the **GetItemsResponse** response WSDL message.

NotSubmitted: A **boolean** value specifying if translation items in a non-submitted and non-cancelled translation job are included in the **GetItemsResponse** response WSDL message.

PartitionId: A **PartitionId** (section [2.2.3.4](#)) element identifying the partition (1) of the translation job.

Succeeded: A **boolean** value specifying if successfully finished translation items in a submitted translation job are included in the **GetItemsResponse** response WSDL message.

3.1.4.11.2.2 GetItemsResponse

The result data for the **GetItems** WSDL operation.

```
<xs:element name="GetItemsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
```

```

    <xs:sequence>
      <xs:element
        xmlns:tns3="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"
        minOccurs="0" ref="tns3:Items"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

tns3:Items: The **ArrayOfGetItemsItem** (section [3.1.4.11.3.1](#)) containing the translation items in the response. This element MUST NOT be null.

3.1.4.11.3 Complex Types

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

Complex type	Description
ArrayOfGetItemsItem	Contains a set of GetItemsItem elements representing translation items in a translation group.
GetItemsItem	Represents a single translation item in a translation group.

3.1.4.11.3.1 ArrayOfGetItemsItem

Namespace: <http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response>

The **ArrayOfGetItemsItem** complex type contains a set of **GetItemsItem** elements representing translation items in a translation group.

```

<xs:complexType name="ArrayOfGetItemsItem" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="GetItemsItem" nillable="true"
      type="tns3:GetItemsItem"/>
  </xs:sequence>
</xs:complexType>

```

GetItemsItem: A single **GetItemsItem** element representing a single translation item in a translation group.

3.1.4.11.3.2 GetItemsItem

Namespace: <http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response>

The **GetItemsItem** complex type represents a single translation item in a translation group.

```

<xs:complexType name="GetItemsItem" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="ErrorCode" nillable="true" type="xs:int"/>
    <xs:element minOccurs="0" name="Id" type="xs:int"/>
    <xs:element minOccurs="0" name="InputFile" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="OutputFile" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="StartTime" nillable="true" type="xs:dateTime"/>
    <xs:element minOccurs="0" name="StopTime" nillable="true" type="xs:dateTime"/>
  </xs:sequence>
</xs:complexType>

```

```
</xs:sequence>
</xs:complexType>
```

ErrorCode: An integer value specifying the error code of a failed translation item. If the translation item has failed, the protocol server **MUST** write a non-null value.

Id: An integer value that uniquely identifies the translation item within the translation group. This element **MUST NOT** be null.

InputFile: This **MUST** be a string value containing the input path of the translation item relative to the translation group's input root. This element **MUST NOT** be null.

OutputFile: This **MUST** be a string value containing the output path of the translation item relative to the translation group's output root. This element **MUST NOT** be null.

StartTime: A **dateTime** value that specifies when the translation item started. If the translation item has started, this element **MUST NOT** be null. Otherwise, it **MUST** be null.

StopTime: A **dateTime** value that specifies when the translation item finished. If the translation item has completed, this element **MUST NOT** be null. Otherwise, it **MUST** be null.

3.1.4.11.4 Simple Types

None.

3.1.4.11.5 Attributes

None.

3.1.4.11.6 Groups

None.

3.1.4.11.7 Attribute Groups

None.

3.1.4.12 GetJobs

Gets a list of translation jobs.

```
<wsdl:operation name="GetJobs" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs"
    name="GetJobsRequest" message="tns5:GetJobsRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response"
    name="GetJobsResponse" message="tns5:GetJobsResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **GetJobsRequest** (section [3.1.4.12.1.1](#)) request WSDL message to get a list of translation jobs.

The protocol server MUST call the **proc_GetJobs** stored procedure, as specified in [\[MS-TSSPROC\]](#) section 3.1.5.10. The following table specifies the parameter values for the stored procedure.

Parameter	Value
@PartitionId	MUST be the partition (1) identifier specified by the PartitionId element.
@UserId	If the AllUsers element is true, this value MUST be null. Otherwise, this MUST be a value which identifies the user which initiated the request to get a list of translation jobs.
@ActiveOnly	MUST be the value specified by the ActiveOnly element.
@SubmittedOnly	MUST be the value specified by the SubmittedOnly element.

The protocol server MUST respond with a **GetJobsResponse** (section [3.1.4.12.1.2](#)) response WSDL message based on the result set returned by the **proc_GetJobs** ([\[MS-TSSPROC\]](#) section 3.1.5.10) stored procedure. The protocol server MUST write a **GetJobsJob** element as a child of the **Jobs** element for each row in the **proc_GetJobs.ResultSet0** ([\[MS-TSSPROC\]](#) section 2.2.4.5) result set. The following table specifies how each column value in a row is represented in the **GetJobsResponse** (section [3.1.4.12.1.2](#)) response WSDL message.

Column	Value
JobId	MUST be represented by the JobId child element of the GetJobsJob element for the translation job.
CreateTime	MUST be represented by the CreateTime child element of the GetJobsJob element for the translation job.
CancelTime	MUST be represented by the CancelTime child element of the GetJobsJob element for the translation job.
Submitted	The inverse of this value MUST be represented by the NotSubmitted child element of the GetJobsJob element for the translation job.
Name	MUST be represented by the Name child element of the GetJobsJob element for the translation job.

3.1.4.12.1 Messages

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

Message	Description
GetJobsRequest	The request WSDL message for the GetJobs WSDL operation.
GetJobsResponse	The response WSDL message for the GetJobs WSDL operation.

3.1.4.12.1.1 GetJobsRequest

The request WSDL message for the **GetJobs** WSDL operation.

The SOAP action value is:

The SOAP body contains the **GetJobsRequest** element.

3.1.4.12.1.2 GetJobsResponse

The response WSDL message for the **GetJobs** WSDL operation.

The SOAP body contains the **GetJobsResponse** element.

3.1.4.12.2 Elements

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

Element	Description
GetJobsRequest	The input data for the GetJobs WSDL operation.
GetJobsResponse	The result data for the GetJobs WSDL operation.

3.1.4.12.2.1 GetJobsRequest

The input data for the **GetJobs** WSDL operation.

```
<xs:element name="GetJobsRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ActiveOnly" type="xs:boolean"/>
      <xs:element minOccurs="0" name="AllUsers" type="xs:boolean"/>
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      <xs:element minOccurs="0" name="SubmittedOnly" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

ActiveOnly: A **boolean** value specifying if only non-cancelled translation jobs with unfinished translation items are included in the **GetJobsResponse** response WSDL message.

AllUsers: A **boolean** value specifying if translation jobs submitted by any user are to be returned. If this value is true, the protocol server **MUST** return all translation jobs which fit the other criteria regardless of the submitting user. If this value is false, the protocol server **MUST NOT** return translation jobs submitted by any user other than the user making the request.

PartitionId: A **PartitionId** (section [2.2.3.4](#)) element specifying the partition (1) to return translation jobs from. The protocol server **MUST NOT** return translation jobs that are part of a different partition (1).

SubmittedOnly: A **boolean** value specifying if only translation jobs that have been submitted are included in the **GetJobsResponse** response WSDL message.

3.1.4.12.2.2 GetJobsResponse

The result data for the **GetJobs** WSDL operation.

```
<xs:element name="GetJobsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="Jobs" nillable="true" type="tns4:ArrayOfGetJobsJob"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Jobs: An **ArrayOfGetJobsJob** (section [3.1.4.12.3.1](#)) element containing the translation jobs.

3.1.4.12.3 Complex Types

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

Complex type	Description
ArrayOfGetJobsJob	Contains a set of GetJobsJob elements representing a set of translation jobs.
GetJobsJob	Represents a single translation job.

3.1.4.12.3.1 ArrayOfGetJobsJob

Namespace: <http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response>

The **ArrayOfGetJobsJob** complex type contains a set of **GetJobsJob** elements representing a set of translation jobs.

```
<xs:complexType name="ArrayOfGetJobsJob" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="GetJobsJob" nillable="true"
      type="tns4:GetJobsJob"/>
  </xs:sequence>
</xs:complexType>
```

GetJobsJob: A single **GetJobsJob** element representing a single translation job.

3.1.4.12.3.2 GetJobsJob

Namespace: <http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response>

The **GetJobsJob** complex type represents a single translation job.

```
<xs:complexType name="GetJobsJob" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="CancelTime" nillable="true" type="xs:dateTime"/>
    <xs:element minOccurs="0" name="CreateTime" type="xs:dateTime"/>
    <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
    <xs:element minOccurs="0" name="Name" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="NotSubmitted" type="xs:boolean"/>
  </xs:sequence>
</xs:complexType>
```

```
</xs:sequence>
</xs:complexType>
```

CancelTime: A **dateTime** value specifying when the translation job was canceled. If the translation job has been canceled, the protocol server **MUST** write a non-null value.

CreateTime: A **dateTime** value specifying when the translation job was created. This element **MUST NOT** be null.

JobId: A **JobId** (section [2.2.3.3](#)) element that identifies the translation job. This element **MUST NOT** be null.

Name: An optional string that is stored along with the translation job.

NotSubmitted: A **boolean** value specifying if the translation job has been submitted.

3.1.4.12.4 Simple Types

None.

3.1.4.12.5 Attributes

None.

3.1.4.12.6 Groups

None.

3.1.4.12.7 Attribute Groups

None.

3.1.4.13 GetJobStatus

Gets the status of a translation job.

```
<wsdl:operation name="GetJobStatus" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus"
    name="GetJobStatusRequest" message="tns5:GetJobStatusRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/resp
    onse" name="GetJobStatusResponse" message="tns5:GetJobStatusResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **GetJobStatusRequest** (section [3.1.4.13.1.1](#)) request WSDL message to get the status of a translation job.

The protocol server **MUST** call the **proc_GetJobStatus** stored procedure, as specified in [\[MS-TSSPROC\]](#) section 3.1.5.11. The following table specifies the parameter values for the stored procedure.

Parameter	Value
@JobId	MUST be the translation job identifier specified by the JobId element.
@PartitionId	MUST be the partition (1) identifier specified by the PartitionId element.

The protocol server MUST respond with a **GetJobStatusResponse** (section [3.1.4.13.1.2](#)) response WSDL message based on the first row of the **proc_GetJobStatus.ResultSet0** ([MS-TSSPROC] section 2.2.4.6) result set. The protocol server MUST ignore all rows in the result set after the first row. The following table specifies how each column value in the first row is represented in the **GetJobStatusResponse** (section [3.1.4.13.1.2](#)) response WSDL message.

Column	Value
Total	MUST be represented by the Count element of the GetJobStatusResponse (section 3.1.4.13.1.2) response WSDL message.
NotSubmitted	MUST be represented by the NotSubmitted element of the GetJobStatusResponse (section 3.1.4.13.1.2) response WSDL message.
NotStarted	MUST be represented by the NotStarted element of the GetJobStatusResponse (section 3.1.4.13.1.2) response WSDL message.
InProgress	MUST be represented by the InProgress element of the GetJobStatusResponse (section 3.1.4.13.1.2) response WSDL message.
Succeeded	MUST be represented by the Succeeded element of the GetJobStatusResponse (section 3.1.4.13.1.2) response WSDL message.
Failed	MUST be represented by the Failed element of the GetJobStatusResponse (section 3.1.4.13.1.2) response WSDL message.
Canceled	MUST be represented by the Canceled element of the GetJobStatusResponse (section 3.1.4.13.1.2) response WSDL message.
Name	This value MUST be represented by the Name element of the GetJobStatusResponse (section 3.1.4.13.1.2) response WSDL message.

3.1.4.13.1 Messages

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

Message	Description
GetJobStatusRequest	The request WSDL message for the GetJobStatus WSDL operation.
GetJobStatusResponse	The response WSDL message for the GetJobStatus WSDL operation.

3.1.4.13.1.1 GetJobStatusRequest

The request WSDL message for the **GetJobStatus** WSDL operation.

The SOAP action value is:

`http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus`

The SOAP body contains the **GetJobStatusRequest** element.

3.1.4.13.1.2 GetJobStatusResponse

The response WSDL message for the **GetJobStatus** WSDL operation.

The SOAP body contains the **GetJobStatusResponse** element.

3.1.4.13.2 Elements

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

Element	Description
GetJobStatusRequest	The input data for the GetJobStatus WSDL operation.
GetJobStatusResponse	The result data for the GetJobStatus WSDL operation.

3.1.4.13.2.1 GetJobStatusRequest

The input data for the **GetJobStatus** WSDL operation.

```
<xs:element name="GetJobStatusRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

JobId: A **JobId** (section [2.2.3.3](#)) element identifying the translation job. This element MUST NOT be null.

PartitionId: A **PartitionId** (section [2.2.3.4](#)) element identifying the partition (1) of the translation job.

3.1.4.13.2.2 GetJobStatusResponse

The result data for the **GetJobStatus** WSDL operation.

```
<xs:element name="GetJobStatusResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="Canceled" type="xs:int"/>
      <xs:element minOccurs="0" name="Count" type="xs:int"/>
      <xs:element minOccurs="0" name="Failed" type="xs:int"/>
      <xs:element minOccurs="0" name="InProgress" type="xs:int"/>
      <xs:element minOccurs="0" name="Name" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="NotStarted" type="xs:int"/>
      <xs:element minOccurs="0" name="NotSubmitted" type="xs:int"/>
      <xs:element minOccurs="0" name="Succeeded" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
</xs:complexType>
</xs:element>
```

Canceled: An integer value specifying the number of unfinished translation items in a canceled translation job. If the translation job has not been canceled, this value MUST be 0.

Count: An integer value specifying the total count of translation items in a translation job.

Failed: An integer value specifying the count of failed translation items in a submitted translation job. If the translation job has not been submitted, this value MUST be 0.

InProgress: An integer value specifying the count of in-progress translation items in a non-canceled, submitted translation job. If the translation job has been canceled or has not been submitted, this value MUST be 0.

Name: An optional string that is stored along with the translation job.

NotStarted: An integer value specifying the count of unstarted translation items in a non-canceled, submitted translation job. If the translation job has been canceled or has not been submitted, this value MUST be 0.

NotSubmitted: An integer value specifying the count of translation items in a non-submitted and non-canceled translation job. If the translation job has been canceled or has been submitted, this value MUST be 0.

Succeeded: An integer value specifying the count of succeeded translation items in a submitted translation job. If the translation job has not been submitted, this value MUST be 0.

3.1.4.13.3 Complex Types

None.

3.1.4.13.4 Simple Types

None.

3.1.4.13.5 Attributes

None.

3.1.4.13.6 Groups

None.

3.1.4.13.7 Attribute Groups

None.

3.1.4.14 GetSyncStreamOutputBytes

Retrieves the output file for the immediate translation job that was submitted with the **AddSyncStreamJob** (section [3.1.4.4](#)) WSDL operation.

```
<wsdl:operation name="GetSyncStreamOutputBytes"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
```

```

    <wsdl:input
      wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes" name="GetSyncStreamOutputBytesRequest"
      message="tns5:GetSyncStreamOutputBytesRequest"
      xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:output
      wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes/response" name="GetSyncStreamOutputBytesResponse"
      message="tns5:GetSyncStreamOutputBytesResponse"
      xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  </wsdl:operation>

```

The protocol client sends a **GetSyncStreamOutputBytesRequest** request WSDL message to retrieve the byte representation of the output file for the immediate translation job. If the output file is too large to send in a single request, due to a message size limit, the protocol client MUST send multiple requests with the same **JobId** to retrieve the entire file.

The protocol server MUST respond with a **GetSyncStreamOutputBytesResponse** response WSDL message

3.1.4.14.1 Messages

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

Message	Description
GetSyncStreamOutputBytesRequest	The request WSDL message for the GetSyncStreamOutputBytes WSDL operation.
GetSyncStreamOutputBytesResponse	The response WSDL message for the GetSyncStreamOutputBytes WSDL operation.

3.1.4.14.1.1 GetSyncStreamOutputBytesRequest

The request WSDL message for the **GetSyncStreamOutputBytes** WSDL operation.

The SOAP action value is:

```
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes
```

The SOAP body contains the **GetSyncStreamOutputBytesRequest** element.

3.1.4.14.1.2 GetSyncStreamOutputBytesResponse

The response WSDL message for the **GetSyncStreamOutputBytes** WSDL operation.

The SOAP body contains the **GetSyncStreamOutputBytesResponse** element.

3.1.4.14.2 Elements

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

Element	Description
GetSyncStreamOutputBytesRequest	The input data for the GetSyncStreamOutputBytes WSDL operation.
GetSyncStreamOutputBytesResponse	The result data for the GetSyncStreamOutputBytes WSDL operation.

3.1.4.14.2.1 GetSyncStreamOutputBytesRequest

The input data for the **GetSyncStreamOutputBytes** WSDL operation.

```
<xs:element name="GetSyncStreamOutputBytesRequest"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="BytesReceived" type="xs:int"/>
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

BytesReceived: The integer value specifying the number of bytes of the output file the protocol client has already received.

JobId: A **JobId** (section [2.2.3.3](#)) that identifies the immediate translation job for which the output file is requested.

3.1.4.14.2.2 GetSyncStreamOutputBytesResponse

The result data for the **GetSyncStreamOutputBytes** WSDL operation.

```
<xs:element name="GetSyncStreamOutputBytesResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="MoreBytesToReceive" type="xs:boolean"/>
      <xs:element minOccurs="0" name="OutputStreamBytes" nillable="true"
type="xs:base64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

MoreBytesToReceive: The integer value specifying the number of remaining bytes of the output file.

OutputStreamBytes: The array of bytes containing part of the output file.

3.1.4.14.3 Complex Types

None.

3.1.4.14.4 Simple Types

None.

3.1.4.14.5 Attributes

None.

3.1.4.14.6 Groups

None.

3.1.4.14.7 Attribute Groups

None.

3.1.4.15 Ping

Contacts a protocol server to determine the responsiveness of the service.

```
<wsdl:operation name="Ping" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/ping"
    name="PingRequest" message="tns5:PingRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/ping/response"
    name="PingResponse" message="tns5:PingResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **PingRequest** (section [3.1.4.15.1.1](#)) request WSDL message and the protocol server MUST increment a counter and MUST return a **PingResponse** (section [3.1.4.15.1.2](#)) response WSDL message.

3.1.4.15.1 Messages

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

Message	Description
PingRequest	The request WSDL message for the Ping WSDL operation.
PingResponse	The response WSDL message for the Ping WSDL operation.

3.1.4.15.1.1 PingRequest

The request WSDL message for the **Ping** WSDL operation.

The SOAP action value is:

```
http://schemas.microsoft.com/office/server/translation/2010/11/ping
```

The SOAP body contains the **PingRequest** element.

3.1.4.15.1.2 PingResponse

The response WSDL message for the **Ping** WSDL operation.

The SOAP body contains the **PingResponse** element.

3.1.4.15.2 Elements

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

Element	Description
PingRequest	The input data for the Ping WSDL operation.
PingResponse	The result data for the Ping WSDL operation.

3.1.4.15.2.1 PingRequest

The input data for the **Ping** WSDL operation.

```
<xs:element name="PingRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

3.1.4.15.2.2 PingResponse

The result data for the **Ping** WSDL operation.

```
<xs:element name="PingResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="Count" type="xs:int"/>
      <xs:element minOccurs="0" name="Received" type="xs:dateTime"/>
      <xs:element minOccurs="0" name="Responded" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Count: An integer value containing the count of **Ping** operations the protocol server has performed.

Received: A **dateTime** value specifying when the protocol server began the **Ping** operation after receiving the **PingRequest** WSDL message. This element MUST NOT be null.

Responded: A **dateTime** value specifying when the protocol server ended the **Ping** operation before returning the **PingResponse** WSDL message. This element MUST NOT be null.

3.1.4.15.3 Complex Types

None.

3.1.4.15.4 Simple Types

None.

3.1.4.15.5 Attributes

None.

3.1.4.15.6 Groups

None.

3.1.4.15.7 Attribute Groups

None.

3.1.4.16 SubmitJob

Marks a translation job as submitted to specify that all translation groups in a translation job have been added.

```
<wsdl:operation name="SubmitJob" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob"
    name="SubmitJobRequest" message="tns5:SubmitJobRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response"
    name="SubmitJobResponse" message="tns5:SubmitJobResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **SubmitJobRequest** (section [3.1.4.16.1.1](#)) request WSDL message to mark a translation job as submitted to specify that all translation groups in the translation job have been added.

The protocol server MUST call the **proc_SubmitJob** stored procedure, as specified in [\[MS-TSSPROC\]](#) section 3.1.5.14. The following table specifies the parameter values for the stored procedure.

Parameter	Value
@JobId	MUST be the translation job identifier specified by the JobId element.

The protocol server MUST respond with a **SubmitJobResponse** (section [3.1.4.16.1.2](#)) response WSDL message.

3.1.4.16.1 Messages

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

Message	Description
SubmitJobRequest	The request WSDL message for the SubmitJob WSDL operation.

Message	Description
SubmitJobResponse	The response WSDL message for the SubmitJob WSDL operation.

3.1.4.16.1.1 SubmitJobRequest

The request WSDL message for the **SubmitJob** WSDL operation.

The SOAP action value is:

```
http://schemas.microsoft.com/office/server/translation/2010/11/submitJob
```

The SOAP body contains the **SubmitJobRequest** element.

3.1.4.16.1.2 SubmitJobResponse

The response WSDL message for the **SubmitJob** WSDL operation.

The SOAP body contains the **SubmitJobResponse** element.

3.1.4.16.2 Elements

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

Element	Description
SubmitJobRequest	The input data for the SubmitJob WSDL operation.
SubmitJobResponse	The result data for the SubmitJob WSDL operation.

3.1.4.16.2.1 SubmitJobRequest

The input data for the **SubmitJob** WSDL operation.

```
<xs:element name="SubmitJobRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

JobId: A **JobId** (section [2.2.3.3](#)) element identifying the translation job to mark as submitted.

3.1.4.16.2.2 SubmitJobResponse

The result data for the **SubmitJob** WSDL operation.

```
<xs:element name="SubmitJobResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
```


</xs:element>

3.1.4.16.3 Complex Types

None.

3.1.4.16.4 Simple Types

None.

3.1.4.16.5 Attributes

None.

3.1.4.16.6 Groups

None.

3.1.4.16.7 Attribute Groups

None.

3.1.5 Timer Events

None.

3.1.6 Other Local Events

None.

4 Protocol Examples

4.1 Creating a translation job

This example demonstrates how a protocol client adds a new translation job to the queue.

The protocol client has a folder of five documents to be translated. Additionally, the protocol client has a sixth document to translate that is in a separate folder. The translation job will contain two translation groups, with the first translation group containing the five documents in the same folder and the second translation group containing the sixth document.

The following table shows the full input URLs, translation group id and translation item id of the six translation items.

Group Id	Item Id	Full Input URL
1	1	http://server/LoremIpsum/Aenean nec.docx
1	2	http://server/LoremIpsum/Fusce aliquet.docx
1	3	http://server/LoremIpsum/Lorem ipsum.docx
1	4	http://server/LoremIpsum/Nunc viverra.docx
1	5	http://server/LoremIpsum/Pellentesque.docx
2	1	http://server/Other/Other.docx

The following table shows the full output URLs, translation group id and translation item id of the six translation items.

Group Id	Item Id	Full Output URL
1	1	http://server/Thai/Aenean nec.docx
1	2	http://server/Thai/Fusce aliquet.docx
1	3	http://server/Thai/Lorem ipsum.docx
1	4	http://server/Thai/Nunc viverra.docx
1	5	http://server/Thai/Pellentesque.docx
2	1	http://server/Thai/Other.docx

The protocol client creates a unique translation job identifier with the value 1118198185349178816.

4.1.1 Adding the job

The protocol client then sends the following **AddJob** request WSDL message:

```
<AddJobRequest
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/addJob"
  xmlns:b="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
```

```

<JobId>1118198185349178816</JobId>
<Name>Protocol example</Name>
<PartitionId i:nil="true" />
<Settings>
  <b:OutputSaveBehavior>AppendIfPossible</b:OutputSaveBehavior>
  <b:TargetLanguage>th</b:TargetLanguage>
</Settings>
<UserToken i:nil="true" />
<ItemCount>6</ItemCount>
<MaxItemsPerDay>10000</MaxItemsPerDay>
<MaxItemsPerPartitionPerDay>1000</MaxItemsPerPartitionPerDay>
</AddJobRequest>

```

The protocol server receives the request and adds the translation job to the database by calling the **proc_AddJob** stored procedure using the following parameters:

Parameter	Value
@JobId	1118198185349178816
@Name	Protocol example
@UserId	Example user
@UserToken	0x1234567890
@PartitionId	NULL
@Settings	<pre> <TranslationJobSettings xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings" xmlns:i="http://www.w3.org/2001/XMLSchema-instance"> <OutputSaveBehavior>AppendIfPossible</OutputSaveBehavior> <TargetLanguage>th</TargetLanguage> </TranslationJobSettings> </pre>
@ItemCount	6
@MaxItemsPerDay	10000
@MaxItemsPerPartitionPerDay	1000

The protocol server then sends the following **AddJob** response WSDL message:

```

<AddJobResponse
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/addJob">
  <JobAdded>true</JobAdded>
</AddJobResponse>

```

4.1.2 Adding the first group

The protocol client then sends the following **AddGroup** request WSDL message:

```

<AddGroupRequest
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup"
  xmlns:b="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <GroupId>1</GroupId>
  <InputRoot>http://server/LoremIpsum/</InputRoot>
  <Items>
    <b:string>Aenean%20nec.docx</b:string>
    <b:string>Fusce%20aliquet.docx</b:string>
    <b:string>Lorem%20ipsum.docx</b:string>
    <b:string>Nunc%20viverra.docx</b:string>
    <b:string>Pellentesque.docx</b:string>
  </Items>
  <JobId>1118198185349178816</JobId>
  <OutputItems>
    <b:string>Aenean%20nec.docx</b:string>
    <b:string>Fusce%20aliquet.docx</b:string>
    <b:string>Lorem%20ipsum.docx</b:string>
    <b:string>Nunc%20viverra.docx</b:string>
    <b:string>Pellentesque.docx</b:string>
  </OutputItems>
  <OutputRoot>http://server/Thai/</OutputRoot>
</AddGroupRequest>

```

The protocol server receives the request and adds the translation group to the database by calling the **proc_AddGroup** stored procedure using the following parameters:

Parameter	Value
@JobId	1118198185349178816
@GroupId	1
@InputRoot	http://server/LoremIpsum/
@OutputRoot	http://server/Thai/
@MaxAttemptsCount	1
@JobXml	<pre> <group xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/databaseJobAdd"> <item id="1" in="Aenean%20nec.docx" out="Aenean%20nec.docx" /> <item id="2" in="Fusce%20aliquet.docx" out="Fusce%20aliquet.docx" /> <item id="3" in="Lorem%20ipsum.docx" out="Lorem%20ipsum.docx" /> <item id="4" in="Nunc%20viverra.docx" </pre>

Parameter	Value
	<pre> out="Nunc%20viverra.docx" /> <item id="5" in="Pellentesque.docx" out="Pellentesque.docx" /> </group> </pre>

The protocol server then sends the following **AddGroup** response WSDL message:

```

<AddGroupResponse
xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response" />

```

4.1.3 Adding the second group

The protocol client then sends the following **AddGroup** request WSDL message:

```

<AddGroupRequest
xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup"
xmlns:b="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <GroupId>2</GroupId>
  <InputRoot>http://server/Other/</InputRoot>
  <Items>
    <b:string>Other.docx</b:string>
  </Items>
  <JobId>1118198185349178816</JobId>
  <OutputItems>
    <b:string>Other.docx</b:string>
  </OutputItems>
  <OutputRoot>http://server/Thai/</OutputRoot>
</AddGroupRequest>

```

The protocol server receives the request and adds the translation group to the database by calling the **proc_AddGroup** stored procedure using the following parameters:

Parameter	Value
@JobId	1118198185349178816
@GroupId	2
@InputRoot	http://server/Other/
@OutputRoot	http://server/Thai/
@MaxAttemptsCount	1
@JobXml	<pre> <group xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/databaseJobAdd"> <item id="1" </pre>

Parameter	Value
	<pre>in="Other.docx" out="Other.docx" /> </group></pre>

The protocol server then sends the following **AddGroup** response WSDL message:

```
<AddGroupResponse
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response" />
```

4.1.4 Submitting the job

The protocol client then sends the following **SubmitJob** request WSDL message:

```
<SubmitJobRequest
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob">
  <JobId>1118198185349178816</JobId>
</SubmitJobRequest>
```

The protocol server receives the request and submits the translation job by calling the **proc_SubmitJob** stored procedure using the following parameters:

Parameter	Value
@JobId	1118198185349178816

The protocol server then sends the following **SubmitJob** response WSDL message:

```
<SubmitJobResponse
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response"
/>
```

4.2 Getting the status of a translation job

This example demonstrates how a protocol client gets an existing translation job and retrieves its status. This example uses the translation job defined in section [4.1](#) with a translation job id of 1118198185349178816.

4.2.1 Getting the job

The protocol client sends the following **GetJobs** request WSDL message:

```
<GetJobsRequest
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <ActiveOnly>>false</ActiveOnly>
  <PartitionId i:nil="true" />
  <SubmittedOnly>>true</SubmittedOnly>
  <AllUsers>>true</AllUsers>
</GetJobsRequest>
```

The protocol server receives the request and gets the list of translation jobs from the database by calling the **proc_GetJobs** stored procedure using the following parameters:

Parameter	Value
@PartitionId	NULL
@UserId	NULL
@ActiveOnly	0
@SubmittedOnly	1

The stored procedure returns the following **proc_GetJobs.ResultSet0** result set:

JobId	CreateTime	CancelTime	Submitted	Name
- 1731414452807260922	2012-01-08 08:42:01.833	NULL	1	A previous job
5718799996475903468	2012-01-10 10:16:26.653	2012-01-10 10:17:27.553	1	A canceled job
1118198185349178816	2012-01-12 11:19:49.830	NULL	1	Protocol example

The protocol server then sends the following **GetJobs** response WSDL message:

```
<GetJobsResponse
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Jobs>
    <GetJobsJob>
      <CreateTime>2012-01-08T08:42:01.833</CreateTime>
      <JobId>16715329620902290694</JobId>
      <Name>A previous job</Name>
    </GetJobsJob>
    <GetJobsJob>
      <CancelTime>2012-01-10 10:17:27.553</CancelTime>
      <CreateTime>2012-01-10 10:16:26.653</CreateTime>
      <JobId>5718799996475903468</JobId>
      <Name>A canceled job</Name>
    </GetJobsJob>
    <GetJobsJob>
      <CreateTime>2012-01-12T11:19:49.83</CreateTime>
      <JobId>1118198185349178816</JobId>
      <Name>Protocol example</Name>
    </GetJobsJob>
  </Jobs>
</GetJobsResponse>
```

4.2.2 Getting the job status

The protocol client sends the following **GetJobStatus** request WSDL message:

```
<GetJobStatusRequest
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus"
```

```

xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <JobId>1118198185349178816</JobId>
  <PartitionId i:nil="true" />
</GetJobStatusRequest>

```

The protocol server receives the request and gets the status of the translation job from the database by calling the **proc_GetJobStatus** stored procedure using the following parameters:

Parameter	Value
@JobId	1118198185349178816
@PartitionId	NULL

The stored procedure returns the following **proc_GetJobStatus.ResultSet0** result set:

Total	NotSubmitted	NotStarted	InProgress	Succeeded	Failed	Canceled	Name
6	0	1	1	3	1	0	Protocol example

The protocol server then sends the following **GetJobStatus** response WSDL message:

```

<GetJobStatusResponse
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/response">
  <Canceled>0</Canceled>
  <Count>6</Count>
  <Failed>1</Failed>
  <InProgress>1</InProgress>
  <Name>Protocol example</Name>
  <NotStarted>1</NotStarted>
  <NotSubmitted>0</NotSubmitted>
  <Succeeded>3</Succeeded>
</GetJobStatusResponse>

```

4.2.3 Getting the groups

The protocol client sends the following **GetGroups** request WSDL message:

```

<GetGroupsRequest
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <JobId>1118198185349178816</JobId>
  <PartitionId i:nil="true" />
</GetGroupsRequest>

```

The protocol server receives the request and gets the translation groups in the translation job from the database by calling the **proc_GetGroups** stored procedure using the following parameters:

Parameter	Value
@JobId	1118198185349178816

Parameter	Value
@PartitionId	NULL

The stored procedure returns the following **proc_GetGroups.ResultSet0** result set:

GroupID	InputRoot	OutputRoot	CreateTime	CancelTime	Submitted	Settings
1	http://server/LoremIpsum/	http://server/Thai/	2012-01-12 11:19:49.830	NULL	1	<TranslationJobSettings xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings" xmlns:i="http://www.w3.org/2001/XMLSchema-instance"> <OutputSaveBehavior>AppendIfPossible</OutputSaveBehavior> <TargetLanguage>th</TargetLanguage> </TranslationJobSettings>
2	http://server/Other/	http://server/Thai/	2012-01-12 11:19:49.830	NULL	1	<TranslationJobSettings xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings" xmlns:i="http://www.w3.org/2001/XMLSchema-instance"> <OutputSaveBehavior>AppendIfPossible</OutputSaveBehavior> <TargetLanguage>th</TargetLanguage> </TranslationJobSettings>

The protocol server then sends the following **GetGroups** response WSDL message:

```

<GetGroupsResponse
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response"

  xmlns:b="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <CancelTime i:nil="true" />
  <CreateTime>2012-01-12T11:19:49.83</CreateTime>
  <Groups>
    <GetGroupsGroup>
      <Id>1</Id>
      <InputRoot>http://server/LoremIpsum</InputRoot>
      <OutputRoot>http://server/Thai</OutputRoot>
    </GetGroupsGroup>
    <GetGroupsGroup>
      <Id>2</Id>
      <InputRoot>http://server/Other</InputRoot>
      <OutputRoot>http://server/Thai</OutputRoot>
    </GetGroupsGroup>
  </Groups>
</GetGroupsResponse>

```

```

</Groups>
<NotSubmitted>>false</NotSubmitted>
<Settings>
  <b:OutputSaveBehavior>AppendIfPossible</b:OutputSaveBehavior>
  <b:TargetLanguage>th</b:TargetLanguage>
</Settings>
</GetGroupsResponse>

```

4.2.4 Getting the items in the first group

The protocol client sends the following **GetItems** request WSDL message:

```

<GetItemsRequest
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Canceled>>false</Canceled>
  <Failed>>true</Failed>
  <GroupId>1</GroupId>
  <InProgress>>true</InProgress>
  <JobId>1118198185349178816</JobId>
  <NotStarted>>true</NotStarted>
  <NotSubmitted>>false</NotSubmitted>
  <PartitionId i:nil="true" />
  <Succeeded>>true</Succeeded>
</GetItemsRequest>

```

The protocol server receives the request and gets the translation items in the first translation group in the translation job from the database by calling the **proc_GetItems** stored procedure using the following parameters:

Parameter	Value
@JobId	1118198185349178816
@GroupId	1
@PartitionId	NULL
@NotSubmitted	0
@NotStarted	1
@InProgress	1
@Succeeded	1
@Failed	1
@Canceled	0

The stored procedure returns the following **proc_GetItems.ResultSet0** result set:

Item Id	StartTime	StopTime	ErrorCode	InputFile	OutputFile
1	2012-01-12	2012-01-12	NULL	Aenean%20nec.docx	Aenean%20nec.docx

ItemId	StartTime	StopTime	ErrorCode	InputFile	OutputFile
	11:20:02.140	11:20:06.977			
2	2012-01-12 11:20:02.140	2012-01-12 11:20:07.150	99	Fusce%20aliquet.docx	Fusce%20aliquet.docx
3	2012-01-12 11:20:02.140	2012-01-12 11:20:07.290	NULL	Lorem%20ipsum.docx	Lorem%20ipsum.docx
4	2012-01-12 11:20:02.140	NULL	NULL	Nunc%20viverra.docx	Nunc%20viverra.docx
5	NULL	NULL	NULL	Pellentesque.docx	Pellentesque.docx

The protocol server then sends the following **GetItems** response WSDL message:

```
<GetItemsResponse
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Items
    xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response">
    <GetItemsItem>
      <Id>1</Id>
      <InputFile>Aenean%20nec.docx</InputFile>
      <OutputFile>Aenean%20nec.docx</OutputFile>
      <StartTime>2012-01-12T11:20:02.14</StartTime>
      <StopTime>2012-01-12T11:20:06.977</StopTime>
    </GetItemsItem>
    <GetItemsItem>
      <ErrorCode>99</ErrorCode>
      <Id>2</Id>
      <InputFile>Fusce%20aliquet.docx</InputFile>
      <OutputFile>Fusce%20aliquet.docx</OutputFile>
      <StartTime>2012-01-12T11:20:02.14</StartTime>
      <StopTime>2012-01-12T11:20:07.15</StopTime>
    </GetItemsItem>
    <GetItemsItem>
      <Id>3</Id>
      <InputFile>Lorem%20ipsum.docx</InputFile>
      <OutputFile>Lorem%20ipsum.docx</OutputFile>
      <StartTime>2012-01-12T11:20:02.14</StartTime>
      <StopTime>2012-01-12T11:20:07.29</StopTime>
    </GetItemsItem>
    <GetItemsItem>
      <Id>4</Id>
      <InputFile>Nunc%20viverra.docx</InputFile>
      <OutputFile>Nunc%20viverra.docx</OutputFile>
      <StartTime>2012-01-12T11:20:02.14</StartTime>
    </GetItemsItem>
    <GetItemsItem>
      <Id>5</Id>
      <InputFile>Pellentesque.docx</InputFile>
      <OutputFile>Pellentesque.docx</OutputFile>
    </GetItemsItem>
  </Items>
</GetItemsResponse>
```

```

    </Items>
</GetItemsResponse>

```

4.2.5 Getting the items in the second group

The protocol client sends the following **GetItems** request WSDL message:

```

<GetItemsRequest
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Canceled>false</Canceled>
  <Failed>true</Failed>
  <GroupId>2</GroupId>
  <InProgress>true</InProgress>
  <JobId>1118198185349178816</JobId>
  <NotStarted>true</NotStarted>
  <NotSubmitted>false</NotSubmitted>
  <PartitionId i:nil="true" />
  <Succeeded>true</Succeeded>
</GetItemsRequest>

```

The protocol server receives the request and gets the translation items in the second translation group in the translation job from the database by calling the **proc_GetItems** stored procedure using the following parameters:

Parameter	Value
@JobId	1118198185349178816
@GroupId	2
@PartitionId	NULL
@NotSubmitted	0
@NotStarted	1
@InProgress	1
@Succeeded	1
@Failed	1
@Canceled	0

The stored procedure returns the following **proc_GetItems.ResultSet0** result set:

ItemId	StartTime	StopTime	ErrorCode	InputFile	OutputFile
1	2012-01-12 11:21:01.387	2012-01-12 11:21:01.690	NULL	Other.docx	Other.docx

The protocol server then sends the following **GetItems** response WSDL message:

```

<GetItemsResponse

```

```

xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
<Items
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response">
  <GetItemsItem>
    <Id>1</Id>
    <InputFile>Other.docx</InputFile>
    <OutputFile>Other.pdf</OutputFile>
    <StartTime>2012-01-12T11:21:01.387</StartTime>
    <StopTime>2012-01-12T11:21:01.69</StopTime>
  </GetItemsItem>
</Items>
</GetItemsResponse>

```

4.3 Creating immediate translation jobs

This example demonstrates how a protocol client creates immediate translation jobs.

The client will create two immediate translation jobs:

- The first job is to translate a file stored at `http://server/myfile.doc` to `http://server/Thai/myfile.doc`. This job will be created using **AddSyncJob**. The **JobId** will be 1118198185349178816.
- The second job is to translate a file `myfile.doc` stored locally on the protocol client. This job will be created using **AddStreamSyncJob**. The **JobId** will be 1118198185349178817. The protocol client will assume that the protocol server can only accept 12 bytes of file content in a single request. The `myfile.doc` file contains 24 bytes, so will be transmitted with two requests.

4.3.1 Adding a job

The protocol client sends the following **AddSyncJobRequest** to the protocol server for the first job.

```

<AddSyncJobRequest
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob"

  xmlns:b="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <JobId>1118198185349178816</JobId>
  <PartitionId i:nil="true" />
  <Settings>
    <b:OutputSaveBehavior>AppendIfPossible</b:OutputSaveBehavior>
    <b:TargetLanguage>th</b:TargetLanguage>
  </Settings>
  <InputWebUrl>http://server/</InputWebUrl>
  <inputUrl>myfile.doc</inputUrl>
  <OutputWebUrl>http://server/Thai</OutputWebUrl>
  <outputUrl>myfile.doc</outputUrl>
</AddSyncJobRequest>

```

The protocol server begins processing the request and sends the following **AddSyncJobResponse** back to the protocol client.

```
<AddSyncJobResponse
```

```
xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob">
  <ErrorCode>0</ErrorCode>
</AddSyncJobResponse>
```

The protocol client reads the **ErrorCode** of 0, so will make a **BatchGetSyncJobStatus** request later to get the final status of the job.

4.3.2 Adding a streaming job

The protocol client sends the following **AddSyncStreamJobRequest** to the protocol server for the second job. This request contains the first 12 bytes of the file myfile.doc.

```
<AddSyncStreamJobRequest
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob"

xmlns:b="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <JobId>1118198185349178817</JobId>
  <PartitionId i:nil="true" />
  <Settings>
    <b:OutputSaveBehavior>AppendIfPossible</b:OutputSaveBehavior>
    <b:TargetLanguage>th</b:TargetLanguage>
  </Settings>
  <FileOpenFormat>doc</FileOpenFormat>
  <InputStreamInBytes>TWFuIGlzIGRpc3Rp</InputStreamInBytes>
  <MoreBytesToReceive>true</MoreBytesToReceive>
</AddSyncStreamJobRequest>
```

The protocol server responds with a **AddSyncJobResponse** which is ignored because **MoreBytesToReceive** was true.

The protocol client sends the following **AddSyncStreamJobRequest** to the protocol server to transmit the last 12 bytes of the file myfile.doc.

```
<AddSyncStreamJobRequest
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob"

xmlns:b="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <JobId>1118198185349178817</JobId>
  <PartitionId i:nil="true" />
  <Settings>
    <b:OutputSaveBehavior>AppendIfPossible</b:OutputSaveBehavior>
    <b:TargetLanguage>th</b:TargetLanguage>
  </Settings>
  <FileOpenFormat>doc</FileOpenFormat>
  <InputStreamInBytes>bmX5IGJ5IGhpcyBy</InputStreamInBytes>
  <MoreBytesToReceive>false</MoreBytesToReceive>
</AddSyncStreamJobRequest>
```

The protocol server begins processing the request and sends the following **AddSyncJobResponse** back to the protocol client.

```

<AddSyncStreamJobResponse
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <ErrorCode>0</ErrorCode>
  <OutputStreamInBytes i:nil="true" />
</AddSyncStreamJobResponse>

```

The protocol client reads the **ErrorCode** of 0, so will make a **BatchGetSyncJobStatus** request later to get the final status of the job.

4.3.3 Getting the job status

The protocol client sends the following **BatchGetSyncJobStatusRequest** to the protocol server to get the status of the two immediate translation jobs it has submitted.

```

<BatchGetSyncJobStatusRequest

xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/batchGetSyncJobStatus"
xmlns:b="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
  <JobIds>
    <b:unsignedLong>1118198185349178816</b:unsignedLong>
    <b:unsignedLong>1118198185349178817</b:unsignedLong>
  </JobIds>
</BatchGetSyncJobStatusRequest>

```

The protocol server has finished translating both jobs, and both jobs succeeded. The protocol server sends the following **BatchGetSyncJobStatusResponse** back to the protocol client.

```

<BatchGetSyncJobStatusResponse

xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/batchGetSyncJobStatus"
xmlns:b="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <JobIds>
    <b:unsignedLong>1118198185349178816</b:unsignedLong>
    <b:unsignedLong>1118198185349178817</b:unsignedLong>
  </JobIds>
  <ErrorCodes>
    <b:NullableOfint i:nil="nil" />
    <b:NullableOfint i:nil="nil" />
  </ErrorCodes>
  <MoreBytesToReceive>true</MoreBytesToReceive>
  <OutputStreamsInBytes>
    <b:base64Binary i:nil="nil" />
    <b:base64Binary i:nil="nil" />
  </OutputStreamsInBytes>
</BatchGetSyncJobStatusResponse>

```

Because both jobs succeeded, the protocol client will not need to make another request for their status. Because **MoreBytesToReceive** is true, the protocol client will make a **GetSyncStreamOutputBytes** request to get the translated myfile.doc file.

4.3.4 Completing downloading of the streaming job

The protocol client sends the following **GetSyncStreamOutputBytesRequest** to the protocol server to get the translated myfile.doc file.

```
<GetSyncStreamOutputBytesRequest
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/
  GetSyncStreamOutputBytes">
  <JobId>1118198185349178817</JobId>
  <BytesReceived>0</BytesReceived>
</GetSyncStreamOutputBytesRequest>
```

The translated myfile.doc file contains 24 bytes, which is too large to send to the client in a single response. The protocol server sends the following **GetSyncStreamOutputBytesResponse** back to the client with the first 12 bytes of the file.

```
<GetSyncStreamOutputBytesResponse
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/
  GetSyncStreamOutputBytes">
  <OutputStreamInBytes>IGJ5bmx5IcyBGhpy</OutputStreamInBytes>
  <MoreBytesToReceive>>true</MoreBytesToReceive>
</GetSyncStreamOutputBytesResponse>
```

The protocol client sends the following **GetSyncStreamOutputBytesRequest** to the protocol server to get the remainder of the translated myfile.doc file.

```
<GetSyncStreamOutputBytesRequest
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/
  GetSyncStreamOutputBytes">
  <JobId>1118198185349178817</JobId>
  <BytesReceived>12</BytesReceived>
</GetSyncStreamOutputBytesRequest>
```

The protocol server sends the following **GetSyncStreamOutputBytesResponse** back to the client with the last 12 bytes of the file.

```
<GetSyncStreamOutputBytesResponse
  xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/
  GetSyncStreamOutputBytes">
  <OutputStreamInBytes>uIGTWFlzIG3RpRpc</OutputStreamInBytes>
  <MoreBytesToReceive>>false</MoreBytesToReceive>
</GetSyncStreamOutputBytesResponse>
```

The protocol client has now received the entire translated myfile.doc file.

5 Security

5.1 Security Considerations for Implementers

This protocol does not introduce any additional security considerations beyond those that apply to its underlying protocols.

5.2 Index of Security Parameters

Security Parameter	Section
UserToken	2.2.3.5

6 Appendix A: Full WSDL

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

```
<?xml version="1.0"?>
<wsdl:definitions
xmlns:tns5="http://schemas.microsoft.com/office/server/translation/2010/11/service"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/service"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <xs:schema
xmlns:tns6="http://schemas.microsoft.com/office/server/translation/2010/11/service/Imports"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/service/Imports">
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/ping"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/ping/response"/>
      <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response"
/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/respon
se"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/re
sponse"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/service"/>
      <xs:import namespace="http://schemas.datacontract.org/2004/07/System"/>
      <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob/respon
se"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSetti
ngs"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/re
sponse"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutput
Bytes"/>
      <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutput
Bytes/response"/>
```

```

    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/addJob"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getId"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getId/response"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationRes
ponse"/>
  </xs:schema>
</wsdl:types>
<wsdl:message name="PingRequest">
  <wsdl:part xmlns:q5="http://schemas.microsoft.com/office/server/translation/2010/11/ping"
name="parameters" element="q5:PingRequest"/>
</wsdl:message>
<wsdl:message name="PingResponse">
  <wsdl:part
xmlns:q6="http://schemas.microsoft.com/office/server/translation/2010/11/ping/response"
name="parameters" element="q6:PingResponse"/>
</wsdl:message>
<wsdl:message name="CancelJobRequest">
  <wsdl:part
xmlns:q7="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob"
name="parameters" element="q7:CancelJobRequest"/>
</wsdl:message>
<wsdl:message name="CancelJobResponse">
  <wsdl:part
xmlns:q8="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response"
name="parameters" element="q8:CancelJobResponse"/>
</wsdl:message>
<wsdl:message name="GetJobStatusRequest">

```

```

    <wsdl:part
xmlns:q9="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus"
name="parameters" element="q9:GetJobStatusRequest"/>
    </wsdl:message>
    <wsdl:message name="GetJobStatusResponse">
    <wsdl:part
xmlns:q10="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/respon
se" name="parameters" element="q10:GetJobStatusResponse"/>
    </wsdl:message>
    <wsdl:message name="BatchGetSyncJobStatusRequest">
    <wsdl:part
xmlns:q11="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus"
name="parameters" element="q11:BatchGetSyncJobStatusRequest"/>
    </wsdl:message>
    <wsdl:message name="BatchGetSyncJobStatusResponse">
    <wsdl:part
xmlns:q12="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/re
sponse" name="parameters" element="q12:BatchGetSyncJobStatusResponse"/>
    </wsdl:message>
    <wsdl:message name="AddSyncJobRequest">
    <wsdl:part
xmlns:q13="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob"
name="parameters" element="q13:AddSyncJobRequest"/>
    </wsdl:message>
    <wsdl:message name="AddSyncJobResponse">
    <wsdl:part
xmlns:q14="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob/respon
se" name="parameters" element="q14:AddSyncJobResponse"/>
    </wsdl:message>
    <wsdl:message name="AddSyncStreamJobRequest">
    <wsdl:part
xmlns:q15="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob"
name="parameters" element="q15:AddSyncStreamJobRequest"/>
    </wsdl:message>
    <wsdl:message name="AddSyncStreamJobResponse">
    <wsdl:part
xmlns:q16="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/re
sponse" name="parameters" element="q16:AddSyncStreamJobResponse"/>
    </wsdl:message>
    <wsdl:message name="GetSyncStreamOutputBytesRequest">
    <wsdl:part
xmlns:q17="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutput
Bytes" name="parameters" element="q17:GetSyncStreamOutputBytesRequest"/>
    </wsdl:message>
    <wsdl:message name="GetSyncStreamOutputBytesResponse">
    <wsdl:part
xmlns:q18="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutput
Bytes/response" name="parameters" element="q18:GetSyncStreamOutputBytesResponse"/>
    </wsdl:message>
    <wsdl:message name="AddJobRequest">
    <wsdl:part
xmlns:q19="http://schemas.microsoft.com/office/server/translation/2010/11/addJob"
name="parameters" element="q19:AddJobRequest"/>
    </wsdl:message>
    <wsdl:message name="AddJobResponse">
    <wsdl:part
xmlns:q19="http://schemas.microsoft.com/office/server/translation/2010/11/addJob"
name="parameters" element="q19:AddJobResponse"/>
    </wsdl:message>
    <wsdl:message
name="IConversionServiceApplication_AddJob_UserNotFoundFault_FaultMessage">

```

```

    <wsdl:part name="detail" element="tns5:UserNotFoundFault"/>
  </wsdl:message>
  <wsdl:message name="AddGroupRequest">
    <wsdl:part
xmlns:q20="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup"
name="parameters" element="q20:AddGroupRequest"/>
  </wsdl:message>
  <wsdl:message name="AddGroupResponse">
    <wsdl:part
xmlns:q21="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response"
name="parameters" element="q21:AddGroupResponse"/>
  </wsdl:message>
  <wsdl:message name="SubmitJobRequest">
    <wsdl:part
xmlns:q22="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob"
name="parameters" element="q22:SubmitJobRequest"/>
  </wsdl:message>
  <wsdl:message name="SubmitJobResponse">
    <wsdl:part
xmlns:q23="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response"
name="parameters" element="q23:SubmitJobResponse"/>
  </wsdl:message>
  <wsdl:message name="GetJobsRequest">
    <wsdl:part
xmlns:q24="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs"
name="parameters" element="q24:GetJobsRequest"/>
  </wsdl:message>
  <wsdl:message name="GetJobsResponse">
    <wsdl:part
xmlns:tns4="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response"
name="parameters" element="tns4:GetJobsResponse"/>
  </wsdl:message>
  <wsdl:message name="GetGroupsRequest">
    <wsdl:part
xmlns:q25="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups"
name="parameters" element="q25:GetGroupsRequest"/>
  </wsdl:message>
  <wsdl:message name="GetGroupsResponse">
    <wsdl:part
xmlns:tns2="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response"
name="parameters" element="tns2:GetGroupsResponse"/>
  </wsdl:message>
  <wsdl:message name="GetItemsRequest">
    <wsdl:part
xmlns:q26="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
name="parameters" element="q26:GetItemsRequest"/>
  </wsdl:message>
  <wsdl:message name="GetItemsResponse">
    <wsdl:part
xmlns:q26="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
name="parameters" element="q26:GetItemsResponse"/>
  </wsdl:message>
  <wsdl:message name="ConvertBatchRequest">
    <wsdl:part
xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="parameters" element="q1:ConvertBatchRequest"/>
  </wsdl:message>
  <wsdl:message name="GetIdRequest">
    <wsdl:part
xmlns:q28="http://schemas.microsoft.com/office/server/translation/2010/11/getId"
name="parameters" element="q28:GetIdRequest"/>

```

```

    </wsdl:message>
    <wsdl:message name="GetIdResponse">
      <wsdl:part
        xmlns:q29="http://schemas.microsoft.com/office/server/translation/2010/11/getId/response"
        name="parameters" element="q29:GetIdResponse"/>
    </wsdl:message>
    <wsdl:message
      name="ITranslationServiceApplication_AddJob_UserNotFoundFault_FaultMessage">
      <wsdl:part name="detail" element="tns5:UserNotFoundFault"/>
    </wsdl:message>
    <wsdl:message name="GetConfigurationRequest">
      <wsdl:part
        xmlns:q30="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration"
        name="parameters" element="q30:GetConfigurationRequest"/>
    </wsdl:message>
    <wsdl:message name="GetConfigurationResponse">
      <wsdl:part
        xmlns:q31="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationRes
        ponse" name="parameters" element="q31:GetConfigurationResponse"/>
    </wsdl:message>
    <wsdl:portType name="ITranslationServiceApplication">
      <wsdl:operation name="Ping">
        <wsdl:input
          wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/ping"
          name="PingRequest" message="tns5:PingRequest"/>
        <wsdl:output
          wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/ping/response"
          name="PingResponse" message="tns5:PingResponse"/>
        </wsdl:operation>
      <wsdl:operation name="CancelJob">
        <wsdl:input
          wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob"
          name="CancelJobRequest" message="tns5:CancelJobRequest"/>
        <wsdl:output
          wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/respon
          se" name="CancelJobResponse" message="tns5:CancelJobResponse"/>
        </wsdl:operation>
      <wsdl:operation name="GetJobStatus">
        <wsdl:input
          wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus"
          name="GetJobStatusRequest" message="tns5:GetJobStatusRequest"/>
        <wsdl:output
          wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/resp
          onse" name="GetJobStatusResponse" message="tns5:GetJobStatusResponse"/>
        </wsdl:operation>
      <wsdl:operation name="BatchGetSyncJobStatus">
        <wsdl:input
          wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus"
          name="BatchGetSyncJobStatusRequest" message="tns5:BatchGetSyncJobStatusRequest"/>
        <wsdl:output
          wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/
          response" name="BatchGetSyncJobStatusResponse" message="tns5:BatchGetSyncJobStatusResponse"/>
        </wsdl:operation>
      <wsdl:operation name="AddSyncJob">
        <wsdl:input
          wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob"
          name="AddSyncJobRequest" message="tns5:AddSyncJobRequest"/>
        <wsdl:output
          wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob/respon
          se" name="AddSyncJobResponse" message="tns5:AddSyncJobResponse"/>
        </wsdl:operation>

```

```

    <wsdl:operation name="AddSyncStreamJob">
      <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob"
name="AddSyncStreamJobRequest" message="tns5:AddSyncStreamJobRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/
response" name="AddSyncStreamJobResponse" message="tns5:AddSyncStreamJobResponse"/>
    </wsdl:operation>
    <wsdl:operation name="GetSyncStreamOutputBytes">
      <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutp
utBytes" name="GetSyncStreamOutputBytesRequest"
message="tns5:GetSyncStreamOutputBytesRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutp
utBytes/response" name="GetSyncStreamOutputBytesResponse"
message="tns5:GetSyncStreamOutputBytesResponse"/>
    </wsdl:operation>
    <wsdl:operation name="AddJob">
      <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addJob"
name="AddJobRequest" message="tns5:AddJobRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response"
name="AddJobResponse" message="tns5:AddJobResponse"/>
      <wsdl:fault
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/userNotFoundFault
" name="UserNotFoundFault"
message="tns5:ITranslationServiceApplication_AddJob_UserNotFoundFaultFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="AddGroup">
      <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup"
name="AddGroupRequest" message="tns5:AddGroupRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response"
name="AddGroupResponse" message="tns5:AddGroupResponse"/>
    </wsdl:operation>
    <wsdl:operation name="SubmitJob">
      <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob"
name="SubmitJobRequest" message="tns5:SubmitJobRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/respons
e" name="SubmitJobResponse" message="tns5:SubmitJobResponse"/>
    </wsdl:operation>
    <wsdl:operation name="GetJobs">
      <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs"
name="GetJobsRequest" message="tns5:GetJobsRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response"
name="GetJobsResponse" message="tns5:GetJobsResponse"/>
    </wsdl:operation>
    <wsdl:operation name="GetGroups">
      <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups"
name="GetGroupsRequest" message="tns5:GetGroupsRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/respons
e" name="GetGroupsResponse" message="tns5:GetGroupsResponse"/>
    </wsdl:operation>

```

```

        <wsdl:operation name="GetItems">
            <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
name="GetItemsRequest" message="tns5:GetItemsRequest"/>
            <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"
name="GetItemsResponse" message="tns5:GetItemsResponse"/>
        </wsdl:operation>
        <wsdl:operation name="ConvertBatch">
            <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="ConvertBatchRequest" message="tns5:ConvertBatchRequest"/>
        </wsdl:operation>
        <wsdl:operation name="GetId">
            <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getId"
name="GetIdRequest" message="tns5:GetIdRequest"/>
            <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getId/response"
name="GetIdResponse" message="tns5:GetIdResponse"/>
        </wsdl:operation>
        <wsdl:operation name="GetConfiguration">
            <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration"
name="GetConfigurationRequest" message="tns5:GetConfigurationRequest"/>
            <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationR
esponse" name="GetConfigurationResponse" message="tns5:GetConfigurationResponse"/>
        </wsdl:operation>
    </wsdl:portType>
    <wsdl:binding name="DefaultBinding_ITranslationServiceApplication"
type="tns5:ITranslationServiceApplication">
        <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
        <wsdl:operation name="Ping">
            <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/ping"
style="document"/>
            <wsdl:input name="PingRequest">
                <soap:body use="literal"/>
            </wsdl:input>
            <wsdl:output name="PingResponse">
                <soap:body use="literal"/>
            </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="CancelJob">
            <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob"
style="document"/>
            <wsdl:input name="CancelJobRequest">
                <soap:body use="literal"/>
            </wsdl:input>
            <wsdl:output name="CancelJobResponse">
                <soap:body use="literal"/>
            </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="GetJobStatus">
            <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus"
style="document"/>
            <wsdl:input name="GetJobStatusRequest">
                <soap:body use="literal"/>
            </wsdl:input>
        </wsdl:operation>
    </wsdl:binding>
</wsdl:service>

```



```

    </wsdl:input>
    <wsdl:output name="GetJobStatusResponse">
      <soap:body use="literal"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="BatchGetSyncJobStatus">
    <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus"
style="document"/>
    <wsdl:input name="BatchGetSyncJobStatusRequest">
      <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output name="BatchGetSyncJobStatusResponse">
      <soap:body use="literal"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="AddSyncJob">
    <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob"
style="document"/>
    <wsdl:input name="AddSyncJobRequest">
      <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output name="AddSyncJobResponse">
      <soap:body use="literal"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="AddSyncStreamJob">
    <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob"
style="document"/>
    <wsdl:input name="AddSyncStreamJobRequest">
      <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output name="AddSyncStreamJobResponse">
      <soap:body use="literal"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="GetSyncStreamOutputBytes">
    <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes"
style="document"/>
    <wsdl:input name="GetSyncStreamOutputBytesRequest">
      <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output name="GetSyncStreamOutputBytesResponse">
      <soap:body use="literal"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="AddJob">
    <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/addJob"
style="document"/>
    <wsdl:input name="AddJobRequest">
      <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output name="AddJobResponse">
      <soap:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="UserNotFoundFaultFault">

```

```

        <soap:fault use="literal" name="UserNotFoundFaultFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="AddGroup">
    <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup"
style="document"/>
    <wsdl:input name="AddGroupRequest">
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output name="AddGroupResponse">
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="SubmitJob">
    <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob"
style="document"/>
    <wsdl:input name="SubmitJobRequest">
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output name="SubmitJobResponse">
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetJobs">
    <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs"
style="document"/>
    <wsdl:input name="GetJobsRequest">
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output name="GetJobsResponse">
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetGroups">
    <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups"
style="document"/>
    <wsdl:input name="GetGroupsRequest">
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output name="GetGroupsResponse">
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetItems">
    <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
style="document"/>
    <wsdl:input name="GetItemsRequest">
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output name="GetItemsResponse">
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="ConvertBatch">

```

```
<soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
style="document"/>
  <wsdl:input name="ConvertBatchRequest">
    <soap:body use="literal"/>
  </wsdl:input>
</wsdl:operation>
<wsdl:operation name="GetId">
  <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/getId"
style="document"/>
  <wsdl:input name="GetIdRequest">
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output name="GetIdResponse">
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetConfiguration">
  <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration"
style="document"/>
  <wsdl:input name="GetConfigurationRequest">
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output name="GetConfigurationResponse">
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
</wsdl:binding>
</wsdl:definitions>
```

7 Appendix B: Full XML Schema

The following schemas are used to communicate information about machine translation requests between the protocol client and the protocol server.

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

Schema name	Prefix	Section
http://schemas.microsoft.com/2003/10/Serialization/Arrays	tns	7.1
http://schemas.microsoft.com/2003/10/Serialization/	tns1	7.2
http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response	q8	7.3
http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob	q7	7.4
http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch	q1	7.5
http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration	q30	7.6
http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationResponse	q31	7.7
http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response	tns2	7.8
http://schemas.microsoft.com/office/server/translation/2010/11/getGroups	q25	7.9
http://schemas.microsoft.com/office/server/translation/2010/11/getId/response	q29	7.10
http://schemas.microsoft.com/office/server/translation/2010/11/getId	q28	7.11
http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response	tns3	7.12
http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response	q21	7.13
http://schemas.microsoft.com/office/server/translation/2010/11/getItems	q26	7.14
http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response	tns4	7.15
http://schemas.microsoft.com/office/server/translation/2010/11/getJobs	q24	7.16
http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/response	q10	7.17
http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus	q9	7.18
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/response	q12	7.19

Schema name	Prefix	Section
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus	q11	7.20
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes/response	q18	7.21
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes	q17	7.22
http://schemas.microsoft.com/office/server/translation/2010/11/ping/response	q6	7.23
http://schemas.microsoft.com/office/server/translation/2010/11/addGroup	q20	7.24
http://schemas.microsoft.com/office/server/translation/2010/11/ping	q5	7.25
http://schemas.microsoft.com/office/server/translation/2010/11/service	tns5	7.26
http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response	q23	7.27
http://schemas.microsoft.com/office/server/translation/2010/11/submitJob	q22	7.28
http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings	q2	7.29
http://schemas.datacontract.org/2004/07/System	q4	7.30
http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response	q3	7.31
http://schemas.microsoft.com/office/server/translation/2010/11/addJob	q19	7.32
http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob/response	q14	7.33
http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob	q13	7.34
http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/response	q16	7.35
http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob	q15	7.36

7.1 http://schemas.microsoft.com/2003/10/Serialization/Arrays Schema

```

<?xml version="1.0"?>
<xs:schema xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"/>
  <xs:complexType name="ArrayOfbase64Binary">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="base64Binary" nillable="true"
type="xs:base64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:schema>

```

```

    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfbase64Binary" nillable="true" type="tns:ArrayOfbase64Binary"/>
  <xs:complexType name="ArrayOfstring">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfstring" nillable="true" type="tns:ArrayOfstring"/>
  <xs:complexType name="ArrayOfunsignedLong">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="unsignedLong"
type="xs:unsignedLong"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfunsignedLong" nillable="true" type="tns:ArrayOfunsignedLong"/>
  <xs:complexType name="ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded"
name="KeyValueOfunsignedLongConvertBatchJob98aftgpZ">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Key" type="xs:unsignedLong"/>
            <xs:element
xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="Value" nillable="true" type="q1:ConvertBatchJob"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ" nillable="true"
type="tns:ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ"/>
</xs:schema>

```

7.2 <http://schemas.microsoft.com/2003/10/Serialization/> Schema

```

<?xml version="1.0"?>
<xs:schema xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
attributeFormDefault="qualified" elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="anyType" nillable="true" type="xs:anyType"/>
  <xs:element name="anyURI" nillable="true" type="xs:anyURI"/>
  <xs:element name="base64Binary" nillable="true" type="xs:base64Binary"/>
  <xs:element name="boolean" nillable="true" type="xs:boolean"/>
  <xs:element name="byte" nillable="true" type="xs:byte"/>
  <xs:element name="dateTime" nillable="true" type="xs:dateTime"/>
  <xs:element name="decimal" nillable="true" type="xs:decimal"/>
  <xs:element name="double" nillable="true" type="xs:double"/>
  <xs:element name="float" nillable="true" type="xs:float"/>
  <xs:element name="int" nillable="true" type="xs:int"/>
  <xs:element name="long" nillable="true" type="xs:long"/>
  <xs:element name="QName" nillable="true" type="xs:QName"/>
  <xs:element name="short" nillable="true" type="xs:short"/>
  <xs:element name="string" nillable="true" type="xs:string"/>
  <xs:element name="unsignedByte" nillable="true" type="xs:unsignedByte"/>

```

```

<xs:element name="unsignedInt" nillable="true" type="xs:unsignedInt"/>
<xs:element name="unsignedLong" nillable="true" type="xs:unsignedLong"/>
<xs:element name="unsignedShort" nillable="true" type="xs:unsignedShort"/>
<xs:element name="char" nillable="true" type="tns1:char"/>
<xs:simpleType name="char">
  <xs:restriction base="xs:int"/>
</xs:simpleType>
<xs:element name="duration" nillable="true" type="tns1:duration"/>
<xs:simpleType name="duration">
  <xs:restriction base="xs:duration">
    <xs:pattern value="\-?P(\d*D)?(T(\d*H)?(\d*M)?(\d*(\.\d*)?S)?)?" />
    <xs:minInclusive value="-P10675199DT2H48M5.4775808S"/>
    <xs:maxInclusive value="P10675199DT2H48M5.4775807S"/>
  </xs:restriction>
</xs:simpleType>
<xs:element name="guid" nillable="true" type="tns1:guid"/>
<xs:simpleType name="guid">
  <xs:restriction base="xs:string">
    <xs:pattern value="[\da-fA-F]{8}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{12}" />
  </xs:restriction>
</xs:simpleType>
<xs:attribute name="FactoryType" type="xs:QName"/>
<xs:attribute name="Id" type="xs:ID"/>
<xs:attribute name="Ref" type="xs:IDREF"/>
</xs:schema>

```

7.3

<http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response> Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="CancelJobResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

7.4 <http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob> Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:element name="CancelJobRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>

```

```

    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:schema>

```

7.5

http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch Schema

```

<?xml version="1.0"?>
<xs:schema xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
  elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/">
    <xs:import
      namespace="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"/>
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
    <xs:element name="ConvertBatchRequest">
      <xs:complexType>
        <xs:sequence>
          <xs:element
            xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
            minOccurs="0" name="Items" nillable="true" type="q1:ArrayOfConvertBatchItem"/>
          <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
            minOccurs="0" name="Jobs" nillable="true"
            type="tns:ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:complexType name="ArrayOfConvertBatchItem">
      <xs:sequence>
        <xs:element
          xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
          minOccurs="0" maxOccurs="unbounded" name="ConvertBatchItem" nillable="true"
          type="q1:ConvertBatchItem"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element
      xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
      name="ArrayOfConvertBatchItem" nillable="true" type="q1:ArrayOfConvertBatchItem"/>
    <xs:complexType name="ConvertBatchItem">
      <xs:sequence>
        <xs:element minOccurs="0" name="GroupId" type="xs:short"/>
        <xs:element minOccurs="0" name="InputFile" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="InputWebUrl" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="ItemId" type="xs:int"/>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
        <xs:element minOccurs="0" name="OutputFile" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="OutputWebUrl" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element
      xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
      name="ConvertBatchItem" nillable="true" type="q1:ConvertBatchItem"/>
    <xs:complexType name="ConvertBatchJob">
      <xs:sequence>
        <xs:element minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>

```



```

    <xs:element
      xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"
      minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
    <xs:element minOccurs="0" name="UserToken" nillable="true" type="xs:base64Binary"/>
  </xs:sequence>
</xs:complexType>
<xs:element
  xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
  name="ConvertBatchJob" nillable="true" type="q1:ConvertBatchJob"/>
</xs:schema>

```

7.6

[http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration Schema](http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationSchema)

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="GetConfigurationRequest">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

7.7

[http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationResponse Schema](http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationResponseSchema)

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
  <xs:element name="GetConfigurationResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
          minOccurs="0" name="Extensions" nillable="true" type="tns:ArrayOfstring"/>
        <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
          minOccurs="0" name="Languages" nillable="true" type="tns:ArrayOfstring"/>
        <xs:element minOccurs="0" name="MaxBinaryFileSize" type="xs:int"/>
        <xs:element minOccurs="0" name="MaxTextFileSize" type="xs:int"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

7.8

[http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response Schema](http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/responseSchema)

```

<?xml version="1.0"?>

```

```

<xs:schema
xmlns:tns2="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"/>
  <xs:element name="GetGroupsResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="CancelTime" nillable="true" type="xs:dateTime"/>
        <xs:element minOccurs="0" name="CreateTime" type="xs:dateTime"/>
        <xs:element minOccurs="0" name="Groups" nillable="true"
type="tns2:ArrayOfGetGroupsGroup"/>
        <xs:element minOccurs="0" name="NotSubmitted" type="xs:boolean"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:complexType name="ArrayOfGetGroupsGroup">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="GetGroupsGroup" nillable="true"
type="tns2:GetGroupsGroup"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfGetGroupsGroup" nillable="true"
type="tns2:ArrayOfGetGroupsGroup">
    <xs:complexType name="GetGroupsGroup">
      <xs:sequence>
        <xs:element minOccurs="0" name="Id" type="xs:short"/>
        <xs:element minOccurs="0" name="InputRoot" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="OutputRoot" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetGroupsGroup" nillable="true" type="tns2:GetGroupsGroup"/>
</xs:schema>

```

7.9

<http://schemas.microsoft.com/office/server/translation/2010/11/getGroups> Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:element name="GetGroupsRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```

```
</xs:schema>
```

7.10

[http://schemas.microsoft.com/office/server/translation/2010/11/getId/response Schema](http://schemas.microsoft.com/office/server/translation/2010/11/getId/responseSchema)

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getId/respons
e" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:element name="GetIdResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="AssignedItemCount" type="xs:int"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="Id" type="tns1:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

7.11 [http://schemas.microsoft.com/office/server/translation/2010/11/getId Schema](http://schemas.microsoft.com/office/server/translation/2010/11/getIdSchema)

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getId"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="GetIdRequest">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

7.12

[http://schemas.microsoft.com/office/server/translation/2010/11/getItems/re sponse Schema](http://schemas.microsoft.com/office/server/translation/2010/11/getItems/responseSchema)

```
<?xml version="1.0"?>
<xs:schema
xmlns:tns3="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/resp
onse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType name="ArrayOfGetItemsItem">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="GetItemsItem" nillable="true"
type="tns3:GetItemsItem"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfGetItemsItem" nillable="true" type="tns3:ArrayOfGetItemsItem"/>
  <xs:complexType name="GetItemsItem">
    <xs:sequence>
```

```

    <xs:element minOccurs="0" name="ErrorCode" nillable="true" type="xs:int"/>
    <xs:element minOccurs="0" name="Id" type="xs:int"/>
    <xs:element minOccurs="0" name="InputFile" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="OutputFile" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="StartTime" nillable="true" type="xs:dateTime"/>
    <xs:element minOccurs="0" name="StopTime" nillable="true" type="xs:dateTime"/>
  </xs:sequence>
</xs:complexType>
<xs:element name="GetItemsItem" nillable="true" type="tns3:GetItemsItem"/>
<xs:element name="Items" nillable="true" type="tns3:ArrayOfGetItemsItem"/>
</xs:schema>

```

7.13

http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="AddGroupResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

7.14

http://schemas.microsoft.com/office/server/translation/2010/11/getItems Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response" />
  <xs:element name="GetItemsRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="Canceled" type="xs:boolean"/>
        <xs:element minOccurs="0" name="Failed" type="xs:boolean"/>
        <xs:element minOccurs="0" name="GroupId" type="xs:short"/>
        <xs:element minOccurs="0" name="InProgress" type="xs:boolean"/>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
        <xs:element minOccurs="0" name="NotStarted" type="xs:boolean"/>
        <xs:element minOccurs="0" name="NotSubmitted" type="xs:boolean"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
        <xs:element minOccurs="0" name="Succeeded" type="xs:boolean"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetItemsResponse">

```

```

    <xs:complexType>
      <xs:sequence>
        <xs:element
xmlns:tns3="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"
minOccurs="0" ref="tns3:Items"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:schema>

```

7.15

http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response Schema

```

<?xml version="1.0"?>
<xs:schema
xmlns:tns4="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/respo
nse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="GetJobsResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="Jobs" nillable="true" type="tns4:ArrayOfGetJobsJob"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:complexType name="ArrayOfGetJobsJob">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="GetJobsJob" nillable="true"
type="tns4:GetJobsJob"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfGetJobsJob" nillable="true" type="tns4:ArrayOfGetJobsJob"/>
  <xs:complexType name="GetJobsJob">
    <xs:sequence>
      <xs:element minOccurs="0" name="CancelTime" nillable="true" type="xs:dateTime"/>
      <xs:element minOccurs="0" name="CreateTime" type="xs:dateTime"/>
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
      <xs:element minOccurs="0" name="Name" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="NotSubmitted" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="GetJobsJob" nillable="true" type="tns4:GetJobsJob"/>
</xs:schema>

```

7.16 http://schemas.microsoft.com/office/server/translation/2010/11/getJobs Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:element name="GetJobsRequest">
    <xs:complexType>

```

```

<xs:sequence>
  <xs:element minOccurs="0" name="ActiveOnly" type="xs:boolean"/>
  <xs:element minOccurs="0" name="AllUsers" type="xs:boolean"/>
  <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
  <xs:element minOccurs="0" name="SubmittedOnly" type="xs:boolean"/>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>

```

7.17

<http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/response> Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/
response" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="GetJobStatusResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="Canceled" type="xs:int"/>
        <xs:element minOccurs="0" name="Count" type="xs:int"/>
        <xs:element minOccurs="0" name="Failed" type="xs:int"/>
        <xs:element minOccurs="0" name="InProgress" type="xs:int"/>
        <xs:element minOccurs="0" name="Name" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="NotStarted" type="xs:int"/>
        <xs:element minOccurs="0" name="NotSubmitted" type="xs:int"/>
        <xs:element minOccurs="0" name="Succeeded" type="xs:int"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

7.18

<http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus> Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:element name="GetJobStatusRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

7.19

<http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/response> Schema

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/response" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.datacontract.org/2004/07/System"/>
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
  <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/service"/>
  <xs:element name="BatchGetSyncJobStatusResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q4="http://schemas.datacontract.org/2004/07/System" minOccurs="0"
name="ErrorCodes" nillable="true" type="q4:ArrayOfNullableOfint"/>
        <xs:element minOccurs="0" name="MoreBytesToReceive" type="xs:boolean"/>
        <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="OutputStreamsInBytes" nillable="true" type="tns:ArrayOfbase64Binary"/>
        <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="JobIds" nillable="true" type="tns:ArrayOfunsignedLong"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

7.20

<http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus> Schema

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
  <xs:element name="BatchGetSyncJobStatusRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="JobIds" nillable="true" type="tns:ArrayOfunsignedLong"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

7.21

<http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes/response> Schema

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes/response" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="GetSyncStreamOutputBytesResponse">
    <xs:complexType>
```

```

    <xs:sequence>
      <xs:element minOccurs="0" name="MoreBytesToReceive" type="xs:boolean"/>
      <xs:element minOccurs="0" name="OutputStreamBytes" nillable="true"
type="xs:base64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:schema>

```

7.22

<http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes> Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="GetSyncStreamOutputBytesRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="BytesReceived" type="xs:int"/>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

7.23

<http://schemas.microsoft.com/office/server/translation/2010/11/ping/response> Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/ping/response" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="PingResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="Count" type="xs:int"/>
        <xs:element minOccurs="0" name="Received" type="xs:dateTime"/>
        <xs:element minOccurs="0" name="Responded" type="xs:dateTime"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

7.24

<http://schemas.microsoft.com/office/server/translation/2010/11/addGroup> Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup"
xmlns:xs="http://www.w3.org/2001/XMLSchema">

```



```

<xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
<xs:element name="AddGroupRequest">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GroupId" type="xs:short"/>
      <xs:element minOccurs="0" name="InputRoot" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="Items" nillable="true" type="tns:ArrayOfstring"/>
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
      <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="OutputItems" nillable="true" type="tns:ArrayOfstring"/>
      <xs:element minOccurs="0" name="OutputRoot" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:schema>

```

7.25 <http://schemas.microsoft.com/office/server/translation/2010/11/ping> Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/ping"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="PingRequest">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

7.26 <http://schemas.microsoft.com/office/server/translation/2010/11/service> Schema

```

<?xml version="1.0"?>
<xs:schema
xmlns:tns5="http://schemas.microsoft.com/office/server/translation/2010/11/service"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/service"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:simpleType name="SaveBehavior">
    <xs:restriction base="xs:string"/>
  </xs:simpleType>
  <xs:element name="SaveBehavior" nillable="true" type="tns5:SaveBehavior"/>
  <xs:complexType name="UserNotFoundFault">
    <xs:sequence/>
  </xs:complexType>
  <xs:element name="UserNotFoundFault" nillable="true" type="tns5:UserNotFoundFault"/>
</xs:schema>

```

7.27

<http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/responseSchema>

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="SubmitJobResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

7.28

<http://schemas.microsoft.com/office/server/translation/2010/11/submitJobRequestSchema>

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/submitJobRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="SubmitJobRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

7.29

<http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettingsSchema>

```
<?xml version="1.0"?>
<xs:schema
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings" elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/service"/>
  <xs:complexType name="TranslationJobSettings">
    <xs:sequence>
      <xs:element
xmlns:tns5="http://schemas.microsoft.com/office/server/translation/2010/11/service"
minOccurs="0" name="OutputSaveBehavior" type="tns5:SaveBehavior"/>
      <xs:element minOccurs="0" name="TargetLanguage" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="TranslationJobSettings" nillable="true"
type="q2:TranslationJobSettings"/>
</xs:schema>
```

7.30 <http://schemas.datacontract.org/2004/07/System> Schema

```
<?xml version="1.0"?>
<xs:schema xmlns:q4="http://schemas.datacontract.org/2004/07/System"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/System"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType name="ArrayOfNullableOfint">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="int" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfNullableOfint" nillable="true" type="q4:ArrayOfNullableOfint"/>
</xs:schema>
```

7.31

<http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response> Schema

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/respon
se" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="JobAdded" type="xs:boolean"/>
</xs:schema>
```

7.32 <http://schemas.microsoft.com/office/server/translation/2010/11/addJob> Schema

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/addJob"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSetti
ngs" />
  <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response" />
  <xs:element name="AddJobRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="ItemCount" type="xs:int"/>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
        <xs:element minOccurs="0" name="Name" nillable="true" type="xs:string"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
        <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
        <xs:element minOccurs="0" name="UserToken" nillable="true" type="xs:base64Binary"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="AddJobResponse">
    <xs:complexType>
```

```

    <xs:sequence>
      <xs:element
        xmlns:q3="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response"
        minOccurs="0" ref="q3:JobAdded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:schema>

```

7.33

<http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob/response> Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob/re
  sponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="AddSyncJobResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="ErrorCode" nillable="true" type="xs:int"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

7.34

<http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob> Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncJob"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:import
    namespace="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSetti
    ngs" />
  <xs:element name="AddSyncJobRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="InputWebUrl" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
        <xs:element minOccurs="0" name="OutputWebUrl" nillable="true" type="xs:string"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
          minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
        <xs:element
          xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
          gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
        <xs:element minOccurs="0" name="inputUrl" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="outputUrl" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

7.35

<http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/response> Schema

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStream
Job/response" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="AddSyncStreamJobResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="ErrorCode" nillable="true" type="xs:int"/>
        <xs:element minOccurs="0" name="OutputStreamInBytes" nillable="true"
type="xs:base64Binary"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

7.36

<http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob> Schema

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStream
Job" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSetti
ngs" />
  <xs:element name="AddSyncStreamJobRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="FileOpenFormat" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="InputStreamInBytes" nillable="true"
type="xs:base64Binary"/>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
        <xs:element minOccurs="0" name="MoreBytesToReceive" type="xs:boolean"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
        <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

8 Appendix C: Product Behavior

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

- Microsoft® SharePoint® Server 2010

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

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

[<1> Section 3.1.4.8.2.2:](#) SharePoint Server 2010 supports translation of XLIFF documents with file extension **xlf**. However, it does not support translation of every feature of the XLIFF standard. The following XLIFF features are supported. Any feature not explicitly listed here is ignored.

- If a **file** element contains a **source-language** attribute, then the specified language is used as the source language for all content within the **file** element.
- A **trans-unit** element within a **file** element with no **datatype** attribute or **datatype** attribute equal to **plaintext** is considered to have plain text content.
- A **trans-unit** element within a **file** element with **datatype** attribute equal to **asp**, **html**, **htmlbody**, or **xhtml** is considered to have HTML content.
- All other **trans-unit** elements are ignored.
- The inner text of the **source** element within a **trans-unit** element is translated and stored as the inner text of the **target** element within the same **trans-unit** element. If no suitable **target** element exists, a **target** element is created. The inner text is either interpreted as plain text or HTML content.

9 Change Tracking

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

Preliminary

10 Index

A

Abstract data model
 [server](#) 22
[Applicability](#) 13
[ArrayOfstring complex type](#) 19
[Attribute groups](#) 21
[Attributes](#) 21

C

[Capability negotiation](#) 14
[Change tracking](#) 119
Client
 [overview](#) 22
[Complex types](#) 18
 [ArrayOfstring](#) 19
 [TranslationJobSettings](#) 19
 [UserNotFoundFault](#) 19

D

Data model - abstract
 [server](#) 22

E

Elements
 [GroupId](#) 18
 [JobId](#) 18
 [PartitionId](#) 18
 [TranslationJobSettings](#) 17
 [UserToken](#) 18
Events
 [local - server](#) 73
 [timer - server](#) 73

F

[Fields - vendor-extensible](#) 14
[Full WSDL](#) 90

G

[Glossary](#) 10
[GroupId element](#) 18
[Groups](#) 21
[guid simple type](#) 20

I

[Implementer - security considerations](#) 89
[Index of security parameters](#) 89
[Informative references](#) 11
Initialization
 [server](#) 23
[Introduction](#) 10

J

[JobId element](#) 18

L

Local events
 [server](#) 73

M

Message processing
 [server](#) 23
Messages
 [ArrayOfstring complex type](#) 19
 [attribute groups](#) 21
 [attributes](#) 21
 [complex types](#) 18
 [elements](#) 17
 [enumerated](#) 17
 [GroupId element](#) 18
 [groups](#) 21
 [guid simple type](#) 20
 [JobId element](#) 18
 [namespaces](#) 15
 [PartitionId element](#) 18
 [SaveBehavior simple type](#) 20
 [simple types](#) 20
 [syntax](#) 15
 [TranslationJobSettings complex type](#) 19
 [TranslationJobSettings element](#) 17
 [transport](#) 15
 [UserNotFoundFault complex type](#) 19
 [UserToken element](#) 18

N

[Namespaces](#) 15
[Normative references](#) 11

O

Operations
 [AddGroup](#) 24
 [AddJob](#) 27
 [AddSyncJob](#) 30
 [AddSyncStreamJob](#) 33
 [BatchGetSyncJobStatus](#) 35
 [CancelJob](#) 39
 [ConvertBatch](#) 41
 [GetConfiguration](#) 46
 [GetGroups](#) 48
 [GetId](#) 52
 [GetItems](#) 55
 [GetJobs](#) 59
 [GetJobStatus](#) 63
 [GetSyncStreamOutputBytes](#) 66
 [Ping](#) 69
 [SubmitJob](#) 71
 [Overview \(synopsis\)](#) 12

P

[Parameters - security index](#) 89
[PartitionId element](#) 18
[Preconditions](#) 13
[Prerequisites](#) 13
[Product behavior](#) 118

R

[References](#) 10
 [informative](#) 11
 [normative](#) 11
[Relationship to other protocols](#) 12

S

[SaveBehavior simple type](#) 20
Security
 [implementer considerations](#) 89
 [parameter index](#) 89
Sequencing rules
 [server](#) 23
Server
 [abstract data model](#) 22
 [AddGroup operation](#) 24
 [AddJob operation](#) 27
 [AddSyncJob operation](#) 30
 [AddSyncStreamJob operation](#) 33
 [BatchGetSyncJobStatus operation](#) 35
 [CancelJob operation](#) 39
 [ConvertBatch operation](#) 41
 [GetConfiguration operation](#) 46
 [GetGroups operation](#) 48
 [GetId operation](#) 52
 [GetItems operation](#) 55
 [GetJobs operation](#) 59
 [GetJobStatus operation](#) 63
 [GetSyncStreamOutputBytes operation](#) 66
 [initialization](#) 23
 [local events](#) 73
 [message processing](#) 23
 [overview](#) 22
 [Ping operation](#) 69
 [sequencing rules](#) 23
 [SubmitJob operation](#) 71
 [timer events](#) 73
 [timers](#) 23
Simple types 20
 [guid](#) 20
 [SaveBehavior](#) 20
[Standards assignments](#) 14
Syntax
 [messages - overview](#) 15

T

Timer events
 [server](#) 73
Timers
 [server](#) 23
[Tracking changes](#) 119

[TranslationJobSettings complex type](#) 19
[TranslationJobSettings element](#) 17
[Transport](#) 15
Types
 [complex](#) 18
 [simple](#) 20

U

[UserNotFoundFault complex type](#) 19
[UserToken element](#) 18

V

[Vendor-extensible fields](#) 14
[Versioning](#) 14

W

[WSDL](#) 90