

# [MS-TSWS]:

## Translation Services Web Service Protocol

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# Table of Contents

<b>1</b>	<b>Introduction</b>	<b>9</b>
1.1	Glossary	9
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	12
1.6	Applicability Statement	12
1.7	Versioning and Capability Negotiation	13
1.8	Vendor-Extensible Fields	13
1.9	Standards Assignments	13
<b>2</b>	<b>Messages</b>	<b>14</b>
2.1	Transport	14
2.2	Common Message Syntax	14
2.2.1	Namespaces	14
2.2.2	Messages	16
2.2.3	Elements	16
2.2.3.1	GroupId	16
2.2.3.2	JobId	17
2.2.3.3	PartitionId	17
2.2.3.4	Settings	17
2.2.3.5	UserToken	17
2.2.4	Complex Types	17
2.2.4.1	ArrayOfstring	18
2.2.4.2	TranslationJobSettings	18
2.2.4.3	ReadOnlyFault	18
2.2.5	Simple Types	18
2.2.5.1	guid	19
2.2.5.2	SaveBehavior	19
2.2.6	Attributes	19
2.2.7	Groups	20
2.2.8	Attribute Groups	20
<b>3</b>	<b>Protocol Details</b>	<b>21</b>
3.1	Translation Server Details	21
3.1.1	Abstract Data Model	21
3.1.2	Timers	22
3.1.3	Initialization	22
3.1.4	Message Processing Events and Sequencing Rules	22
3.1.4.1	AddGroup	23
3.1.4.1.1	Messages	23
3.1.4.1.1.1	AddGroupRequest	23
3.1.4.1.1.2	AddGroupResponse	23
3.1.4.1.2	Elements	24
3.1.4.1.2.1	AddGroupRequest	24
3.1.4.1.2.2	AddGroupResponse	25
3.1.4.1.3	Complex Types	25
3.1.4.1.4	Simple Types	25
3.1.4.1.5	Attributes	25
3.1.4.1.6	Groups	25
3.1.4.1.7	Attribute Groups	25
3.1.4.2	AddJob	25
3.1.4.2.1	Messages	25

3.1.4.2.1.1	AddJobRequest .....	26
3.1.4.2.1.2	AddJobResponse .....	26
3.1.4.2.2	Elements .....	26
3.1.4.2.2.1	AddJobRequest .....	26
3.1.4.2.2.2	AddJobResponse .....	27
3.1.4.2.2.3	JobAdded .....	27
3.1.4.2.3	Complex Types .....	27
3.1.4.2.4	Simple Types .....	27
3.1.4.2.5	Attributes .....	27
3.1.4.2.6	Groups .....	28
3.1.4.2.7	Attribute Groups .....	28
3.1.4.3	AddSyncStreamJob .....	28
3.1.4.3.1	Messages .....	28
3.1.4.3.1.1	AddSyncStreamJobRequest .....	28
3.1.4.3.1.2	AddSyncStreamJobResponse .....	29
3.1.4.3.2	Elements .....	29
3.1.4.3.2.1	AddSyncStreamJobRequest .....	29
3.1.4.3.2.2	AddSyncStreamJobResponse .....	30
3.1.4.3.3	Complex Types .....	30
3.1.4.3.4	Simple Types .....	30
3.1.4.3.5	Attributes .....	30
3.1.4.3.6	Groups .....	30
3.1.4.3.7	Attribute Groups .....	30
3.1.4.4	BatchGetSyncJobStatus .....	30
3.1.4.4.1	Messages .....	31
3.1.4.4.1.1	BatchGetSyncJobStatusRequest .....	31
3.1.4.4.1.2	BatchGetSyncJobStatusResponse .....	31
3.1.4.4.2	Elements .....	31
3.1.4.4.2.1	BatchGetSyncJobStatusRequest .....	32
3.1.4.4.2.2	BatchGetSyncJobStatusResponse .....	32
3.1.4.4.3	Complex Types .....	32
3.1.4.4.3.1	ArrayOfNullableOfint .....	33
3.1.4.4.3.2	ArrayOfbase64Binary .....	33
3.1.4.4.3.3	ArrayOfunsignedLong .....	33
3.1.4.4.4	Simple Types .....	33
3.1.4.4.5	Attributes .....	34
3.1.4.4.6	Groups .....	34
3.1.4.4.7	Attribute Groups .....	34
3.1.4.5	CancelJob .....	34
3.1.4.5.1	Messages .....	34
3.1.4.5.1.1	CancelJobRequest .....	34
3.1.4.5.1.2	CancelJobResponse .....	35
3.1.4.5.2	Elements .....	35
3.1.4.5.2.1	CancelJobRequest .....	35
3.1.4.5.2.2	CancelJobResponse .....	35
3.1.4.5.3	Complex Types .....	35
3.1.4.5.4	Simple Types .....	36
3.1.4.5.5	Attributes .....	36
3.1.4.5.6	Groups .....	36
3.1.4.5.7	Attribute Groups .....	36
3.1.4.6	ConvertBatch .....	36
3.1.4.6.1	Messages .....	36
3.1.4.6.1.1	ConvertBatchRequest .....	36
3.1.4.6.2	Elements .....	37
3.1.4.6.2.1	ConvertBatchRequest .....	37
3.1.4.6.3	Complex Types .....	37
3.1.4.6.3.1	ArrayOfConvertBatchItem .....	38
3.1.4.6.3.2	ConvertBatchItem .....	38

3.1.4.6.3.3	ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ .....	39
3.1.4.6.3.4	ConvertBatchJob .....	39
3.1.4.6.4	Simple Types .....	39
3.1.4.6.5	Attributes .....	40
3.1.4.6.6	Groups .....	40
3.1.4.6.7	Attribute Groups .....	40
3.1.4.7	GetConfiguration .....	40
3.1.4.7.1	Messages .....	40
3.1.4.7.1.1	GetConfigurationRequest .....	41
3.1.4.7.1.2	GetConfigurationResponse .....	41
3.1.4.7.2	Elements .....	41
3.1.4.7.2.1	GetConfigurationRequest .....	41
3.1.4.7.2.2	GetConfigurationResponse .....	41
3.1.4.7.3	Complex Types .....	42
3.1.4.7.4	Simple Types .....	42
3.1.4.7.5	Attributes .....	42
3.1.4.7.6	Groups .....	42
3.1.4.7.7	Attribute Groups .....	42
3.1.4.8	GetGroups .....	42
3.1.4.8.1	Messages .....	43
3.1.4.8.1.1	GetGroupsRequest .....	43
3.1.4.8.1.2	GetGroupsResponse .....	43
3.1.4.8.2	Elements .....	43
3.1.4.8.2.1	GetGroupsRequest .....	43
3.1.4.8.2.2	GetGroupsResponse .....	44
3.1.4.8.3	Complex Types .....	44
3.1.4.8.3.1	ArrayOfGetGroupsGroup .....	44
3.1.4.8.3.2	GetGroupsGroup .....	45
3.1.4.8.4	Simple Types .....	45
3.1.4.8.5	Attributes .....	45
3.1.4.8.6	Groups .....	45
3.1.4.8.7	Attribute Groups .....	45
3.1.4.9	GetId .....	45
3.1.4.9.1	Messages .....	46
3.1.4.9.1.1	GetIdRequest .....	46
3.1.4.9.1.2	GetIdResponse .....	46
3.1.4.9.2	Elements .....	46
3.1.4.9.2.1	GetIdRequest .....	47
3.1.4.9.2.2	GetIdResponse .....	47
3.1.4.9.3	Complex Types .....	47
3.1.4.9.4	Simple Types .....	47
3.1.4.9.5	Attributes .....	47
3.1.4.9.6	Groups .....	47
3.1.4.9.7	Attribute Groups .....	47
3.1.4.10	GetItems .....	48
3.1.4.10.1	Messages .....	48
3.1.4.10.1.1	GetItemsRequest .....	48
3.1.4.10.1.2	GetItemsResponse .....	48
3.1.4.10.2	Elements .....	48
3.1.4.10.2.1	GetItemsRequest .....	49
3.1.4.10.2.2	GetItemsResponse .....	49
3.1.4.10.2.3	Items .....	50
3.1.4.10.3	Complex Types .....	50
3.1.4.10.3.1	ArrayOfGetItemsItem .....	50
3.1.4.10.3.2	GetItemsItem .....	50
3.1.4.10.4	Simple Types .....	51
3.1.4.10.5	Attributes .....	51
3.1.4.10.6	Groups .....	51

3.1.4.10.7	Attribute Groups.....	51
3.1.4.11	GetJobs .....	51
3.1.4.11.1	Messages .....	52
3.1.4.11.1.1	GetJobsRequest.....	52
3.1.4.11.1.2	GetJobsResponse.....	52
3.1.4.11.2	Elements .....	52
3.1.4.11.2.1	GetJobsRequest.....	52
3.1.4.11.2.2	GetJobsResponse.....	53
3.1.4.11.3	Complex Types .....	53
3.1.4.11.3.1	ArrayOfGetJobsJob.....	53
3.1.4.11.3.2	GetJobsJob .....	54
3.1.4.11.4	Simple Types .....	54
3.1.4.11.5	Attributes.....	54
3.1.4.11.6	Groups.....	54
3.1.4.11.7	Attribute Groups.....	54
3.1.4.12	GetJobStatus.....	54
3.1.4.12.1	Messages .....	55
3.1.4.12.1.1	GetJobStatusRequest .....	55
3.1.4.12.1.2	GetJobStatusResponse .....	55
3.1.4.12.2	Elements.....	55
3.1.4.12.2.1	GetJobStatusRequest .....	56
3.1.4.12.2.2	GetJobStatusResponse .....	56
3.1.4.12.3	Complex Types .....	57
3.1.4.12.4	Simple Types .....	57
3.1.4.12.5	Attributes.....	57
3.1.4.12.6	Groups.....	57
3.1.4.12.7	Attribute Groups.....	57
3.1.4.13	GetSyncStreamOutputBytes .....	57
3.1.4.13.1	Messages .....	58
3.1.4.13.1.1	GetSyncStreamOutputBytesRequest.....	58
3.1.4.13.1.2	GetSyncStreamOutputBytesResponse.....	58
3.1.4.13.2	Elements.....	58
3.1.4.13.2.1	GetSyncStreamOutputBytesRequest.....	58
3.1.4.13.2.2	GetSyncStreamOutputBytesResponse.....	59
3.1.4.13.3	Complex Types .....	59
3.1.4.13.4	Simple Types .....	59
3.1.4.13.5	Attributes.....	59
3.1.4.13.6	Groups.....	59
3.1.4.13.7	Attribute Groups.....	59
3.1.4.14	Ping .....	59
3.1.4.14.1	Messages .....	60
3.1.4.14.1.1	PingRequest .....	60
3.1.4.14.1.2	PingResponse.....	60
3.1.4.14.2	Elements.....	60
3.1.4.14.2.1	PingRequest .....	60
3.1.4.14.2.2	PingResponse.....	61
3.1.4.14.3	Complex Types .....	61
3.1.4.14.4	Simple Types .....	61
3.1.4.14.5	Attributes.....	61
3.1.4.14.6	Groups.....	61
3.1.4.14.7	Attribute Groups.....	61
3.1.4.15	SubmitJob.....	61
3.1.4.15.1	Messages .....	62
3.1.4.15.1.1	SubmitJobRequest .....	62
3.1.4.15.1.2	SubmitJobResponse .....	62
3.1.4.15.2	Elements.....	62
3.1.4.15.2.1	SubmitJobRequest .....	63
3.1.4.15.2.2	SubmitJobResponse .....	63

3.1.4.15.3	Complex Types .....	63
3.1.4.15.4	Simple Types .....	63
3.1.4.15.5	Attributes .....	63
3.1.4.15.6	Groups.....	63
3.1.4.15.7	Attribute Groups.....	63
3.1.5	Timer Events.....	63
3.1.6	Other Local Events.....	64
<b>4</b>	<b>Protocol Examples .....</b>	<b>65</b>
4.1	Creating a translation job.....	65
4.1.1	Adding the job.....	65
4.1.2	Adding the first group .....	66
4.1.3	Adding the second group .....	66
4.1.4	Submitting the job.....	67
4.2	Getting the status of a translation job.....	67
4.2.1	Getting the job.....	67
4.2.2	Getting the job status .....	68
4.2.3	Getting the groups.....	68
4.2.4	Getting the items in the first group .....	69
4.2.5	Getting the items in the second group.....	70
4.3	Creating immediate translation jobs .....	71
4.3.1	Adding a streaming job .....	71
4.3.2	Getting the job status .....	72
4.3.3	Completing downloading of the streaming job .....	73
<b>5</b>	<b>Security.....</b>	<b>74</b>
5.1	Security Considerations for Implementers .....	74
5.2	Index of Security Parameters .....	74
<b>6</b>	<b>Appendix A: Full WSDL .....</b>	<b>75</b>
<b>7</b>	<b>Appendix B: Full XML Schema.....</b>	<b>84</b>
7.1	http://schemas.microsoft.com/2003/10/Serialization/Arrays Schema .....	85
7.2	http://schemas.microsoft.com/2003/10/Serialization/ Schema .....	86
7.3	http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response Schema .....	87
7.4	http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob Schema	87
7.5	http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch Schema .....	87
7.6	http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration Schema .....	88
7.7	http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationResp onse Schema.....	88
7.8	http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response Schema .....	89
7.9	http://schemas.microsoft.com/office/server/translation/2010/11/getGroups Schema	89
7.10	http://schemas.microsoft.com/office/server/translation/2010/11/getId/response Schema .....	90
7.11	http://schemas.microsoft.com/office/server/translation/2010/11/getId Schema .....	90
7.12	http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response Schema .....	90
7.13	http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response Schema .....	91
7.14	http://schemas.microsoft.com/office/server/translation/2010/11/getItems Schema .	91
7.15	http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response Schema .....	92
7.16	http://schemas.microsoft.com/office/server/translation/2010/11/getJobs Schema ...	92

7.17	http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/response Schema.....	92
7.18	http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus Schema .....	93
7.19	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/response Schema .....	93
7.20	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus Schema .....	94
7.21	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutput Bytes/response Schema.....	94
7.22	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutput Bytes Schema .....	94
7.23	http://schemas.microsoft.com/office/server/translation/2010/11/ping/response Schema .....	94
7.24	http://schemas.microsoft.com/office/server/translation/2010/11/addGroup Schema	95
7.25	http://schemas.microsoft.com/office/server/translation/2010/11/ping Schema.....	95
7.26	http://schemas.microsoft.com/office/server/translation/2010/11/service Schema....	95
7.27	http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response Schema .....	96
7.28	http://schemas.microsoft.com/office/server/translation/2010/11/submitJob Schema	96
7.29	http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings Schema .....	96
7.30	http://schemas.datacontract.org/2004/07/System Schema .....	97
7.31	http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response Schema .....	97
7.32	http://schemas.microsoft.com/office/server/translation/2010/11/addJob Schema....	97
7.33	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/response Schema .....	98
7.34	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob Schema .....	98
<b>8</b>	<b>Appendix C: Product Behavior .....</b>	<b>99</b>
<b>9</b>	<b>Change Tracking.....</b>	<b>100</b>
<b>10</b>	<b>Index.....</b>	<b>101</b>



# 1 Introduction

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

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

## 1.1 Glossary

This document uses the following terms:

**dictionary:** A collection of key/value pairs. Each pair consists of a unique key and an associated value. Values in the dictionary are retrieved by providing a key for which the dictionary returns the associated value.

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

**file extension:** The sequence of characters in a file's name between the end of the file's name and the last "." character. Vendors of applications choose such sequences for the applications to uniquely identify files that were created by those applications. This allows file management software to determine which application are to be used to open a file.

**globally unique identifier (GUID):** A term used interchangeably with universally unique identifier (UUID) in Microsoft protocol technical documents (TDs). Interchanging the usage of these terms does not imply or require a specific algorithm or mechanism to generate the value. Specifically, the use of this term does not imply or require that the algorithms described in [\[RFC4122\]](#) or [\[C706\]](#) must be used for generating the **GUID**. See also universally unique identifier (UUID).

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

**Hypertext Transfer Protocol Secure (HTTPS):** An extension of HTTP that securely encrypts and decrypts web page requests. In some older protocols, "Hypertext Transfer Protocol over Secure Sockets Layer" is still used (Secure Sockets Layer has been deprecated). For more information, see [\[SSL3\]](#) and [\[RFC5246\]](#).

**immediate translation job:** A **translation job** that contains only one **translation item** and is executed as a higher priority than a typical translation job.

**partition:** An area within a shared services database, such as an area that isolates different tenants within a service, or the process of creating such an area in a shared services database.

**server-relative URL:** A relative URL that does not specify a scheme or host, and assumes a base URI of the root of the host, as described in [\[RFC3986\]](#).

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

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

**SOAP action:** The HTTP request header field used to indicate the intent of the **SOAP** request, using a **URI** value. See [\[SOAP1.1\]](#) section 6.1.1 for more information.

**SOAP body:** A container for the payload data being delivered by a SOAP message to its recipient. See [\[SOAP1.2-1/2007\]](#) section 5.3 for more information.

**SOAP fault:** A container for error and status information within a SOAP message. See [\[SOAP1.2-1/2007\]](#) section 5.4 for more information.

**translation group:** A subset of translation items within a **translation job** that share the same base locations for source files and target files.

**translation item:** A data structure containing information that pertains to the machine translation of a single file, including the locations of the source and target files.

**translation job:** A set of translation items which are created at the same time and share the same machine translation settings, including target language.

**Uniform Resource Identifier (URI):** A string that identifies a resource. The URI is an addressing mechanism defined in Internet Engineering Task Force (IETF) Uniform Resource Identifier (URI): Generic Syntax [\[RFC3986\]](#).

**Uniform Resource Locator (URL):** A string of characters in a standardized format that identifies a document or resource on the World Wide Web. The format is as specified in [\[RFC1738\]](#).

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

**WSDL message:** An abstract, typed definition of the data that is communicated during a **WSDL operation** [\[WSDL\]](#). Also, an element that describes the data being exchanged between web service providers and clients.

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

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

**XML namespace prefix:** An abbreviated form of an **XML namespace**, as described in [\[XML\]](#).

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

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

## 1.2 References

Links to a document in the Microsoft Open Specifications library point to the correct section in the most recently published version of the referenced document. However, because individual documents

in the library are not updated at the same time, the section numbers in the documents may not match. You can confirm the correct section numbering by checking the [Errata](#).

### 1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com). We will assist you in finding the relevant information.

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

[MS-SPS2SAUTH] Microsoft Corporation, "[OAuth 2.0 Authentication Protocol: SharePoint Profile](#)".

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

[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.rfc-editor.org/rfc/rfc2616.txt>

[SOAP1.1] Box, D., Ehnebuske, D., Kakivaya, G., et al., "Simple Object Access Protocol (SOAP) 1.1", W3C Note, May 2000, <http://www.w3.org/TR/2000/NOTE-SOAP-20000508/>

[SOAP1.2-1/2007] Gudgin, M., Hadley, M., Mendelsohn, N., et al., "SOAP Version 1.2 Part 1: Messaging Framework (Second Edition)", W3C Recommendation, April 2007, <http://www.w3.org/TR/2007/REC-soap12-part1-20070427/>

[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/>

[XMLSCHEMA1/2] Thompson, H., Beech, D., Maloney, M., and Mendelsohn, N., Eds., "XML Schema Part 1: Structures Second Edition", W3C Recommendation, October 2004, <http://www.w3.org/TR/2004/REC-xmlschema-1-20041028/>

[XMLSCHEMA2/2] Biron, P., and Malhotra, A., Eds., "XML Schema Part 2: Datatypes Second Edition", W3C Recommendation, October 2004, <http://www.w3.org/TR/2004/REC-xmlschema-2-20041028/>

### 1.2.2 Informative References

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

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

[SOAP1.2-2/2007] Gudgin, M., Hadley, M., Mendelsohn, N., et al., "SOAP Version 1.2 Part 2: Adjuncts (Second Edition)", W3C Recommendation, April 2007, <http://www.w3.org/TR/2007/REC-soap12-part2-20070427>

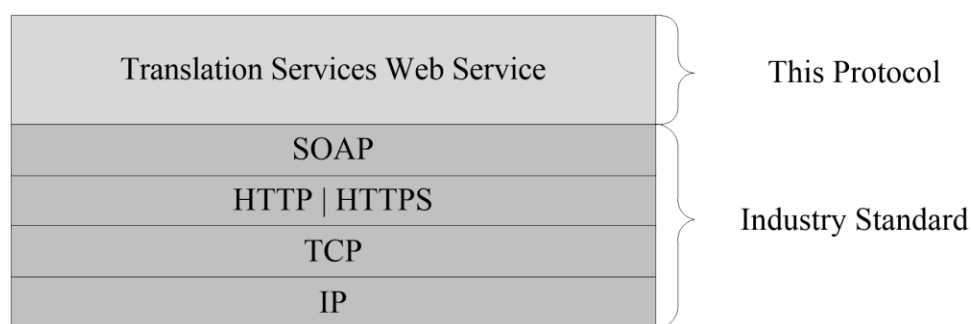
### 1.3 Overview

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 [\[SOAP1.1\]](#), [\[SOAP1.2-1/2007\]](#) and [\[SOAP1.2-2/2007\]](#). 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**

### 1.5 Prerequisites/Preconditions

This protocol operates against a protocol server that exposes one or more **endpoint URIs** that are known by protocol clients. The endpoint 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 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 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 described 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**, **not null**, and **present**.

### 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 [\[SOAP1.2-1/2007\]](#) 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 [\[SOAP1.2-1/2007\]](#) 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 [\[XMLSCHEMA1/2\]](#) and [\[XMLSCHEMA2/2\]](#), 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	<a href="http://schemas.microsoft.com/office/server/translation/2010/11/ping">http://schemas.microsoft.com/office/server/translation/2010/11/ping</a>	
q2	<a href="http://schemas.microsoft.com/office/server/translation/2010/11/ping/response">http://schemas.microsoft.com/office/server/translation/2010/11/ping/response</a>	
q3	<a href="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob">http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob</a>	
q4	<a href="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response">http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response</a>	
q5	<a href="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus">http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus</a>	
q6	<a href="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/response">http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/response</a>	

Prefi x	Namespace URI	Reference
q7	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus	
q8	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/res ponse	
q9	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob	
q10	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/re sponse	
q11	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutput Bytes	
q12	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutput Bytes/response	
q13	http://schemas.microsoft.com/office/server/translation/2010/11/addJob	
q14	http://schemas.microsoft.com/2003/10/Serialization/	
q15	http://schemas.microsoft.com/office/server/translation/2010/11/addGroup	
q16	http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response	
q17	http://schemas.microsoft.com/office/server/translation/2010/11/submitJob	
q18	http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response	
q19	http://schemas.microsoft.com/office/server/translation/2010/11/getJobs	
q20	http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response	
q21	http://schemas.microsoft.com/office/server/translation/2010/11/getGroups	
q22	http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response	
q23	http://schemas.microsoft.com/office/server/translation/2010/11/getItems	
q24	http://schemas.datacontract.org/2004/07/System	
q25	http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch	
q26	http://schemas.microsoft.com/office/server/translation/2010/11/getId	
q27	http://schemas.microsoft.com/office/server/translation/2010/11/getId/response	
q28	http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration	
q29	http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationResp onse	
q30	http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response	
q31	http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response	
soap	http://schemas.xmlsoap.org/wsdl/soap/	<a href="#">[SOAP1.1]</a>
tns	http://schemas.microsoft.com/office/server/translation/2010/11/service	
tns1	http://schemas.microsoft.com/2003/10/Serialization/Arrays	
tns2	http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings	

Prefi x	Namespace URI	Reference
tns3	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/	<a href="#">[WSDL]</a>
xs	http://www.w3.org/2001/XMLSchema	<a href="#">[XMLSCHEMA1/2]</a> <a href="#">[XMLSCHEMA2/2]</a>

## 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
<b>GroupId</b>	Uniquely identifies a <b>translation group</b> within a <b>translation job</b> .
<b>JobId</b>	Uniquely identifies a translation job.
<b>PartitionId</b>	Identifies the <b>partition</b> of a translation job.
<b>Settings</b>	Contains a collection of preferred settings for a translation job.
<b>UserToken</b>	Represents user credentials.

### 2.2.3.1 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"/>
```



### 2.2.3.2 JobId

The **JobId** element contains an 8-byte, unsigned integer value that uniquely identifies a **translation job**. The protocol client MUST specify a unique 8-byte value for each translation job.

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

### 2.2.3.3 PartitionId

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

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

### 2.2.3.4 Settings

The **Settings** element is a **TranslationJobSettings** (section [2.2.4.2](#)) 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/2010/11/translationJobSettings" type="q2:TranslationJobSettings"/>
```

### 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 documented in [\[MS-SPS2SAUTH\]](#) section 3.2.

```
<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
<b>ArrayOfstring</b>	The <b>ArrayOfstring</b> complex type represents an array of arbitrary string values.
<b>ReadOnlyFault</b>	The <b>ReadOnlyFault</b> complex type specifies a fault which indicates that the protocol server could not complete a request because the storage used for <b>translation jobs</b> , <b>translation groups</b> , and <b>translation items</b> is in read-only mode.
<b>TranslationJobSettings</b>	The <b>TranslationJobSettings</b> complex type specifies a collection of preferred settings for all translation items within a translation job.

### 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 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:tns="http://schemas.microsoft.com/office/server/translation/2010/11/service"
minOccurs="0" name="OutputSaveBehavior" type="tns: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.

### 2.2.4.3 ReadOnlyFault

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

The **ReadOnlyFault** complex type specifies a fault which indicates that the protocol server could not complete a request because the storage used for **translation jobs**, **translation groups**, and **translation items** is in read-only mode.

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

## 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
<b>guid</b>	A string representing a <b>GUID</b> or unique identifier.
<b>SaveBehavior</b>	A string value specifying the preferred overwrite behavior of the output file of a <b>translation item</b> when the output file already exists.

### 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.

```
<xs:simpleType name="SaveBehavior" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="AppendIfPossible"/>
    <xs:enumeration value="AlwaysOverwrite"/>
    <xs:enumeration value="AppendOnly"/>
    <xs:enumeration value="NeverOverwrite"/>
  </xs:restriction>
</xs:simpleType>
```

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

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	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.

### 2.2.6 Attributes

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

## **2.2.7 Groups**

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

## **2.2.8 Attribute Groups**

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

## 3 Protocol Details

The client side of this protocol is simply a pass-through. That is, no additional timers or other state is required on the client side of this protocol. Calls 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 grouping of translation items whose input files are contained in the same **site** and whose output files will be written to the same site. 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** (section [3.1.4.2](#)) 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** (section [3.1.4.1](#)) 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** (section [3.1.4.15](#)) operation.

The protocol client initiates the translation of one or more translation items on the protocol server using the **ConvertBatch** (section [3.1.4.6](#)) 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** (section [3.1.4.11](#)) operation. The overall status of a specific translation job is returned by the **GetJobStatus** (section [3.1.4.12](#)) operation. To check the status of a specific translation item, the protocol client first uses the **GetGroups** (section [3.1.4.8](#)) operation to retrieve the list of translation groups in a translation job and then uses the **GetItems** (section [3.1.4.10](#)) 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 **AddSyncStreamJob** (section [3.1.4.3](#)) operation. The protocol server gives higher priority to immediate translation jobs. The protocol client uses the **BatchGetSyncJobStatus** (section [3.1.4.4](#)) 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** (section [3.1.4.11](#)), **GetJobStatus** (section [3.1.4.12](#)), **GetGroups** (section [3.1.4.8](#)), or **GetItems** (section [3.1.4.10](#)) 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
<b>AddGroup</b>	Adds a group of <b>translation items</b> to a <b>translation job</b> .
<b>AddJob</b>	Adds a new translation job to the queue.
<b>AddSyncStreamJob</b>	Adds an <b>immediate translation job</b> from a stream containing the input file.
<b>BatchGetSyncJobStatus</b>	Get the status of a number of immediate translation jobs.
<b>CancelJob</b>	Marks a translation job as canceled.
<b>ConvertBatch</b>	Initiates the translation of a batch of translation items.
<b>GetConfiguration</b>	Returns information to the protocol client about the configuration of the protocol server.
<b>GetGroups</b>	Gets a translation job and the <b>translation groups</b> within the translation job.
<b>GetId</b>	Gets the unique identifier of a currently running instance of the protocol server.
<b>GetItems</b>	Gets the translation items in a translation group.
<b>GetJobs</b>	Gets a list of translation jobs.
<b>GetJobStatus</b>	Gets the status of a translation job.
<b>GetSyncStreamOutputBytes</b>	Retrieves the output file for the immediate translation job that was submitted with the <b>AddSyncStreamJob</b> (section <a href="#">3.1.4.3</a> ) <b>WSDL operation</b> .
<b>Ping</b>	Contacts a protocol server to determine the responsiveness of the service.
<b>SubmitJob</b>	Marks a translation job as submitted to specify that all translation groups in a

Operation	Description
	translation job have been added.

### 3.1.4.1 AddGroup

Adds a group of **translation items** to a **translation job**.

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

```
<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="tns: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="tns:AddGroupResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/readOnlyFault"
    name="ReadOnlyFaultFault"
    message="tns:ITranslationServiceApplication_AddGroup_ReadOnlyFaultFault_FaultMessage"
    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 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
<b>AddGroupRequest</b>	The request WSDL message for the <b>AddGroup WSDL operation</b> .
<b>AddGroupResponse</b>	The response WSDL message for the <b>AddGroup WSDL operation</b> .

##### 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
<b>AddGroupRequest</b>	The input data for the <b>AddGroup WSDL operation</b> .
<b>AddGroupResponse</b>	The result data for the <b>AddGroup WSDL operation</b> .

#### 3.1.4.1.2.1 AddGroupRequest

The **AddGroupRequest** element specifies 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:tnsl="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="Items" nillable="true" type="tnsl:ArrayOfstring"/>
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
      <xs:element xmlns:tnsl="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="OutputItems" nillable="true" type="tnsl:ArrayOfstring"/>
      <xs:element minOccurs="0" name="OutputRoot" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GroupId:** A **GroupId** (section [2.2.3.1](#)) 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 indicating the location of the input file of all the **translation items** in the translation group. The value MUST be the **URL** of a **site** which implements the [\[MS-CSOMSPT\]](#) protocol. When the protocol server processes translation items in this translation group, it MUST use the [\[MS-CSOMSPT\]](#) protocol to retrieve the input files.

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

**JobId:** A **JobId** (section [2.2.3.2](#)) 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 server-relative URL of the output file 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 indicating the location of the output file of all the translation items in the translation group. The value MUST be the URL of a site which implements the [\[MS-CSOMSPT\]](#) protocol. When the protocol server processes translation items in this translation group, it MUST use the [\[MS-CSOMSPT\]](#) protocol to upload the output files.



### 3.1.4.1.2.2 AddGroupResponse

The **AddGroupResponse** element specifies 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.

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

```
<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="tns: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="tns:AddJobResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/readOnlyFault"
    name="ReadOnlyFaultFault"
    message="tns:ITranslationServiceApplication AddJob ReadOnlyFaultFault 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 respond with an **AddJobResponse** (section [3.1.4.2.1.2](#)) message.

### 3.1.4.2.1 Messages

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

Message	Description
<b>AddJobRequest</b>	The request WSDL message for the <b>AddJob WSDL operation</b> .
<b>AddJobResponse</b>	The response WSDL message for the <b>AddJob WSDL operation</b> .

### 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
<b>AddJobRequest</b>	The input data for the <b>AddJob WSDL operation</b> .
<b>AddJobResponse</b>	The result data for the <b>AddJob WSDL operation</b> .

#### 3.1.4.2.2.1 AddJobRequest

The **AddJobRequest** element specifies 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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="q14:guid"/>
      <xs:element
xmlns:tns2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"
minOccurs="0" name="Settings" nillable="true" type="tns2:TranslationJobSettings"/>
      <xs:element minOccurs="0" name="UserName" nillable="true" type="xs:string"/>
      <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 [2.2.3.2](#)) 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 [2.2.3.3](#)) element identifying the **partition** of the translation job.

**Settings:** A **Settings** (section [2.2.3.4](#)) element that provides a collection of preferred settings for all translation items within the translation job. This element MUST NOT be null.

**UserName:** A string which identifies the user making the request. 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. This element MUST NOT be null. The protocol server MUST use these credentials to authenticate to the **sites** containing the input and output files when processing this translation job.

### 3.1.4.2.2.2 AddJobResponse

The **AddJobResponse** element specifies 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:q31="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response"
        minOccurs="0" ref="q31:JobAdded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**q31:JobAdded:** A **boolean** value specifying whether the **translation job** has been added. For more details, see section [3.1.4.2.2.3](#).

### 3.1.4.2.2.3 JobAdded

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

Specifies whether the **translation job** has been added.

```
<xs:element name="JobAdded" type="xs:boolean"/>
```

### 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 AddSyncStreamJob

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

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

```
<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="tns: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="tns: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, because of 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.

#### 3.1.4.3.1 Messages

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

Message	Description
<b>AddSyncStreamJobRequest</b>	The request WSDL message for the <b>AddSyncStreamJob WSDL operation</b> .
<b>AddSyncStreamJobResponse</b>	The response WSDL message for the <b>AddSyncStreamJob WSDL operation</b> .

#### 3.1.4.3.1.1 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.

### 3.1.4.3.1.2 AddSyncStreamJobResponse

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

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

### 3.1.4.3.2 Elements

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

Element	Description
<b>AddSyncStreamJobRequest</b>	The input data for the <b>AddSyncStreamJob WSDL operation</b> .
<b>AddSyncStreamJobResponse</b>	The result data for the <b>AddSyncStreamJob WSDL operation</b> .

#### 3.1.4.3.2.1 AddSyncStreamJobRequest

The **AddSyncStreamJobRequest** element specifies 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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="q14:guid"/>
      <xs:element
xmlns:tns2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings" minOccurs="0" name="Settings" nillable="true" type="tns2: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 specified file extension values returned by the **Extensions** element of a **GetConfigurationResponse** (section [3.1.4.7.2.2](#)).

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

**JobId:** A **JobId** (section [2.2.3.2](#)) 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 [2.2.3.3](#)) element identifying the **partition** of the immediate translation job.

**Settings:** A **Settings** (section [2.2.3.4](#)) element that provides a collection of preferred settings for the immediate translation job. This element MUST NOT be null.

### 3.1.4.3.2.2 AddSyncStreamJobResponse

The **AddSyncStreamJobResponse** element specifies 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 [3.1.4.4](#)) 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 [3.1.4.13](#)) WSDL operation.

### 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 BatchGetSyncJobStatus

Get the status of a number of **immediate translation jobs**.

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

```
<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="tns:BatchGetSyncJobStatusRequest"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/
response" name="BatchGetSyncJobStatusResponse" message="tns: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 a **BatchGetSyncJobStatusResponse** 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
<b>BatchGetSyncJobStatusRequest</b>	The request WSDL message for the <b>BatchGetSyncJobStatus WSDL operation</b> .
<b>BatchGetSyncJobStatusResponse</b>	The response WSDL message for the <b>BatchGetSyncJobStatus WSDL operation</b> .

#### 3.1.4.4.1.1 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.

#### 3.1.4.4.1.2 BatchGetSyncJobStatusResponse

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

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

### 3.1.4.4.2 Elements

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

Element	Description
<b>BatchGetSyncJobStatusRequest</b>	The input data for the <b>BatchGetSyncJobStatus WSDL operation</b> .
<b>BatchGetSyncJobStatusResponse</b>	The result data for the <b>BatchGetSyncJobStatus WSDL operation</b> .

### 3.1.4.4.2.1 BatchGetSyncJobStatusRequest

The **BatchGetSyncJobStatusRequest** element specifies 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:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="0" name="JobIds" nillable="true" type="tns1:ArrayOfunsignedLong"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**JobIds:** An array of **JobId** (section [2.2.3.2](#)) representing the **immediate translation jobs** for which the status is requested.

### 3.1.4.4.2.2 BatchGetSyncJobStatusResponse

The **BatchGetSyncJobStatusResponse** element specifies 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:q24="http://schemas.datacontract.org/2004/07/System" minOccurs="0"
        name="ErrorCodes" nillable="true" type="q24:ArrayOfNullableOfint"/>
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="0" name="JobIds" nillable="true" type="tns1:ArrayOfunsignedLong"/>
      <xs:element minOccurs="0" name="MoreBytesToReceive" type="xs:boolean"/>
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="0" name="OutputStreamsInBytes" nillable="true" type="tns1:ArrayOfbase64Binary"/>
    </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**.

**JobIds:** An array of **JobId** (section [2.2.3.2](#)). This array is copied from the **jobIds** in the **BatchGetSyncJobStatusRequest** (section [3.1.4.4.1.1](#)).

**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.

### 3.1.4.4.3 Complex Types

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



Complex type	Description
<b>ArrayOfbase64Binary</b>	An array of <b>base64Binary</b> .
<b>ArrayOfNullableOfint</b>	An array of nullable <b>int</b> .
<b>ArrayOfunsignedLong</b>	An array of <b>unsignedlong</b> .

### 3.1.4.4.3.1 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.

### 3.1.4.4.3.2 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.

### 3.1.4.4.3.3 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.

### 3.1.4.4.4 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 CancelJob

Marks a **translation job** as canceled.

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

```
<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="tns: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/respons
e" name="CancelJobResponse" message="tns:CancelJobResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/readOnlyFault"
    name="ReadOnlyFaultFault"
    message="tns:ITranslationServiceApplication_CancelJob_ReadOnlyFaultFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **CancelJobRequest** (section [3.1.4.5.1.1](#)) request **WSDL message** to mark a translation job as canceled.

The protocol server MUST respond with a **CancelJobResponse** (section [3.1.4.5.1.2](#)) 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
<b>CancelJobRequest</b>	The request WSDL message for the <b>CancelJob WSDL operation</b> .
<b>CancelJobResponse</b>	The response WSDL message for the <b>CancelJob WSDL operation</b> .

#### 3.1.4.5.1.1 CancelJobRequest

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

The **SOAP action** value is:

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

### 3.1.4.5.1.2 CancelJobResponse

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

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

### 3.1.4.5.2 Elements

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

Element	Description
<b>CancelJobRequest</b>	The input data for the <b>CancelJob WSDL operation</b> .
<b>CancelJobResponse</b>	The result data for the <b>CancelJob WSDL operation</b> .

#### 3.1.4.5.2.1 CancelJobRequest

The **CancelJobRequest** element specifies 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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="q14:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**JobId:** A **JobId** (section [2.2.3.2](#)) element identifying the **translation job** to mark as canceled. This element **MUST NOT** be null.

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

#### 3.1.4.5.2.2 CancelJobResponse

The **CancelJobResponse** element specifies 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>
```

#### 3.1.4.5.3 Complex Types

None.

### 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 ConvertBatch

Initiates the translation of a batch of **translation items**.

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

```
<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="tns:ConvertBatchRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **ConvertBatchRequest** (section [3.1.4.6.1.1](#)) 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 [3.1.4.6.1.1](#)) request WSDL message.

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 [3.1.4.12](#).

#### 3.1.4.6.1 Messages

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

Message	Description
<b>ConvertBatchRequest</b>	The request WSDL message for the <b>ConvertBatch WSDL operation</b> .

##### 3.1.4.6.1.1 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.

### 3.1.4.6.2 Elements

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

Element	Description
<b>ConvertBatchRequest</b>	The input data for the <b>ConvertBatch WSDL operation</b> .

#### 3.1.4.6.2.1 ConvertBatchRequest

The **ConvertBatchRequest** element specifies 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:q25="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
        minOccurs="0" name="Items" nillable="true" type="q25:ArrayOfConvertBatchItem"/>
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="0" name="Jobs" nillable="true"
        type="tns1: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.

#### 3.1.4.6.3 Complex Types

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

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

### 3.1.4.6.3.1 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:q25="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
      minOccurs="0" maxOccurs="unbounded" name="ConvertBatchItem" nillable="true"
      type="q25:ConvertBatchItem"/>
  </xs:sequence>
</xs:complexType>
```

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

### 3.1.4.6.3.2 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 [2.2.3.1](#)) element that identifies the **translation group** to which the translation item belongs. This element MUST NOT be null.

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

**InputWebUrl:** A string value containing the **URL** of the **site** containing 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 [2.2.3.2](#)) element that identifies the **translation job** to which the translation item belongs. This element MUST NOT be null.

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

**OutputWebUrl:** A string value containing the URL of the site containing the output file. This element MUST NOT be null.

### 3.1.4.6.3.3 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:q25="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="Value" nillable="true" type="q25: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.

### 3.1.4.6.3.4 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="q14:guid"/>
    <xs:element
xmlns:tns2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"
minOccurs="0" name="Settings" nillable="true" type="tns2:TranslationJobSettings"/>
    <xs:element minOccurs="0" name="UserToken" nillable="true" type="xs:base64Binary"/>
  </xs:sequence>
</xs:complexType>
```

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

**Settings:** A **Settings** (section [2.2.3.4](#)) 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.

### 3.1.4.6.4 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 GetConfiguration

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

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

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

The protocol client sends a **GetConfigurationRequest** (section [3.1.4.7.1.1](#)) request **WSDL message** to get information about the following configurable aspects of the protocol server:

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

The protocol server MUST respond with a **GetConfigurationResponse** (section [3.1.4.7.1.2](#)) response WSDL message with the configuration information.

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

#### 3.1.4.7.1 Messages

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

Message	Description
<b>GetConfigurationRequest</b>	The request WSDL message for the <b>GetConfiguration WSDL operation</b> .
<b>GetConfigurationResponse</b>	The response WSDL message for the <b>GetConfiguration WSDL operation</b> .



### 3.1.4.7.1.1 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.

### 3.1.4.7.1.2 GetConfigurationResponse

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

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

### 3.1.4.7.2 Elements

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

Element	Description
<b>GetConfigurationRequest</b>	The input data for the <b>GetConfiguration WSDL operation</b> .
<b>GetConfigurationResponse</b>	The result data for the <b>GetConfiguration WSDL operation</b> .

#### 3.1.4.7.2.1 GetConfigurationRequest

The **GetConfigurationRequest** element specifies 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>
```

#### 3.1.4.7.2.2 GetConfigurationResponse

The **GetConfigurationResponse** element specifies 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:tnsl="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="0" name="Extensions" nillable="true" type="tnsl:ArrayOfstring"/>
      <xs:element xmlns:tnsl="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="0" name="Languages" nillable="true" type="tnsl: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 name 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.

### 3.1.4.7.3 Complex Types

None.

### 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 GetGroups

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

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

```
<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="tns: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="tns:GetGroupsResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **GetGroupsRequest** (section [3.1.4.8.1.1](#)) request **WSDL message** to get a translation job and all translation groups within the translation job.

The protocol server MUST respond with a **GetGroupsResponse** (section [3.1.4.8.1.2](#)) response WSDL message.

### 3.1.4.8.1 Messages

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

Message	Description
<b>GetGroupsRequest</b>	The request WSDL message for the <b>GetGroups WSDL operation</b> .
<b>GetGroupsResponse</b>	The response WSDL message for the <b>GetGroups WSDL operation</b> .

#### 3.1.4.8.1.1 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.

#### 3.1.4.8.1.2 GetGroupsResponse

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

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

### 3.1.4.8.2 Elements

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

Element	Description
<b>GetGroupsRequest</b>	The input data for the <b>GetGroups WSDL operation</b> .
<b>GetGroupsResponse</b>	The result data for the <b>GetGroups WSDL operation</b> .

#### 3.1.4.8.2.1 GetGroupsRequest

The **GetGroupsRequest** element specifies 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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="q14:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**JobId:** A **JobId** (section [2.2.3.2](#)) element identifying the **translation job**. This element MUST NOT be null.

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

### 3.1.4.8.2.2 GetGroupsResponse

The **GetGroupsResponse** element specifies 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="q22:ArrayOfGetGroupsGroup"/>
      <xs:element minOccurs="0" name="NotSubmitted" type="xs:boolean"/>
    </xs:sequence>
    xmlns:tns2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings" minOccurs="0" name="Settings" nillable="true" type="tns2:TranslationJobSettings"/>
  </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 **Settings** (section [2.2.3.4](#)) element specifying the preferred settings for all **translation items** within the translation job. This element MUST NOT be null.

### 3.1.4.8.3 Complex Types

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

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

#### 3.1.4.8.3.1 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="q22:GetGroupsGroup"/>
  </xs:sequence>
</xs:complexType>
```

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

### 3.1.4.8.3.2 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 **URL** of the **site** containing the input files of all **translation items** in the translation group.

**OutputRoot:** This MUST be a string value specifying the URL of the site to contain the output files of all translation items in the translation group.

### 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 GetId

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

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

```

<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="tns: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="tns:GetIdResponse"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **GetIdRequest** (section [3.1.4.9.1.1](#)) request **WSDL message** and the protocol server MUST return a **GetIdResponse** (section [3.1.4.9.1.2](#)) 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 [3.1.4.9.1.1](#)) request WSDL message, the protocol server MUST return the same identifier returned in the previous **GetIdResponse** (section [3.1.4.9.1.2](#)) response WSDL message.
- If the current instance of the protocol server has not previously received a **GetIdRequest** (section [3.1.4.9.1.1](#)) request WSDL message, the protocol server MUST return a new identifier.

### 3.1.4.9.1 Messages

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

Message	Description
<b>GetIdRequest</b>	The request WSDL message for the <b>GetId WSDL operation</b> .
<b>GetIdResponse</b>	The response WSDL message for the <b>GetId WSDL operation</b> .

#### 3.1.4.9.1.1 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.

#### 3.1.4.9.1.2 GetIdResponse

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

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

### 3.1.4.9.2 Elements

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

Element	Description
<b>GetIdRequest</b>	The input data for the <b>GetId WSDL operation</b> .
<b>GetIdResponse</b>	The result data for the <b>GetId WSDL operation</b> .

#### 3.1.4.9.2.1 GetIdRequest

The **GetIdRequest** element specifies 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>
```

#### 3.1.4.9.2.2 GetIdResponse

The **GetIdResponse** element specifies 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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="Id" type="q14: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.

#### 3.1.4.9.3 Complex Types

None.

#### 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 GetItems

Gets the **translation items** in a **translation group**.

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

```
<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="tns: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="tns:GetItemsResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **GetItemsRequest** (section [3.1.4.10.1.1](#)) request **WSDL message** to get the translation items within a translation group.

The protocol server MUST respond with a **GetItemsResponse** (section [3.1.4.10.1.2](#)) response WSDL message.

#### 3.1.4.10.1 Messages

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

Message	Description
<b>GetItemsRequest</b>	The request WSDL message for the <b>GetItems WSDL operation</b> .
<b>GetItemsResponse</b>	The response WSDL message for the <b>GetItems WSDL operation</b> .

##### 3.1.4.10.1.1 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.

##### 3.1.4.10.1.2 GetItemsResponse

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

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

#### 3.1.4.10.2 Elements



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

Element	Description
<b>GetItemsRequest</b>	The input data for the <b>GetItems WSDL operation</b> .
<b>GetItemsResponse</b>	The result data for the <b>GetItems WSDL operation</b> .

### 3.1.4.10.2.1 GetItemsRequest

The **GetItemsRequest** element specifies 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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="q14: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 [2.2.3.1](#)) 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 [2.2.3.2](#)) 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 [2.2.3.3](#)) element identifying the **partition** 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.

### 3.1.4.10.2.2 GetItemsResponse

The **GetItemsResponse** element specifies 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:q30="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"
minOccurs="0" ref="q30:Items"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**q30:Items:** The **translation items** in a **translation group**. For more details, see section [3.1.4.10.2.3](#).

### 3.1.4.10.2.3 Items

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

An **ArrayOfGetItemsItem** (section [3.1.4.10.3.1](#)) that specifies the **translation items** in a **translation group**.

```

<xs:element name="Items" nillable="true" type="q30:ArrayOfGetItemsItem"/>

```

### 3.1.4.10.3 Complex Types

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

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

#### 3.1.4.10.3.1 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="q30:GetItemsItem"/>
  </xs:sequence>
</xs:complexType>

```

**GetItemsItem:** A single **GetItemsItem** (section [3.1.4.10.3.2](#)) element representing a single translation item in a translation group.

#### 3.1.4.10.3.2 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>
```

**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 **server-relative URL** of the input file for 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 server-relative URL of the output file for 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.

#### 3.1.4.10.4 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 GetJobs

Gets a list of **translation jobs**.

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

```
<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="tns: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="tns:GetJobsResponse"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **GetJobsRequest** (section [3.1.4.11.1.1](#)) request **WSDL message** to get a list of translation jobs.

The protocol server MUST respond with a **GetJobsResponse** (section [3.1.4.11.1.2](#)) response WSDL message.

### 3.1.4.11.1 Messages

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

Message	Description
<b>GetJobsRequest</b>	The request WSDL message for the <b>GetJobs WSDL operation</b> .
<b>GetJobsResponse</b>	The response WSDL message for the <b>GetJobs WSDL operation</b> .

#### 3.1.4.11.1.1 GetJobsRequest

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

The **SOAP action** value is:

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

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

#### 3.1.4.11.1.2 GetJobsResponse

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

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

### 3.1.4.11.2 Elements

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

Element	Description
<b>GetJobsRequest</b>	The input data for the <b>GetJobs WSDL operation</b> .
<b>GetJobsResponse</b>	The result data for the <b>GetJobs WSDL operation</b> .

#### 3.1.4.11.2.1 GetJobsRequest

The **GetJobsRequest** element specifies 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 xmlns:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="q14:guid"/>
      <xs:element minOccurs="0" name="SubmittedOnly" type="xs:boolean"/>
      <xs:element minOccurs="0" name="UserName" nillable="true" type="xs:string"/>
    </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**.

**PartitionId:** A **PartitionId** (section [2.2.3.3](#)) element specifying the **partition** to return translation jobs from. The protocol server **MUST NOT** return translation jobs that are part of a different partition.

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

**UserName:** A **string** value which identifies the user for whom to get translation jobs. If this value is null, then the protocol server returns translation jobs submitted by any user. If this value is not null, then every translation job returned by the protocol server **MUST** have been submitted with an **AddJobRequest** (section [3.1.4.2.2.1](#)) with the **UserName** value equal to this value.

### 3.1.4.11.2.2 GetJobsResponse

The **GetJobsResponse** element specifies 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="q20:ArrayOfGetJobsJob"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**Jobs:** An **ArrayOfGetJobsJob** (section [3.1.4.11.3.1](#)) element containing the **translation jobs**.

### 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
<b>ArrayOfGetJobsJob</b>	Contains a set of <b>GetJobsJob</b> elements representing a set of <b>translation jobs</b> .
<b>GetJobsJob</b>	Represents a single translation job.

#### 3.1.4.11.3.1 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="q20:GetJobsJob"/>
  </xs:sequence>
</xs:complexType>

```

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

### 3.1.4.11.3.2 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>

```

**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 [2.2.3.2](#)) 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 whether the translation job has not been submitted.

### 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 GetJobStatus

Gets the status of a **translation job**.

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

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

The protocol client sends a **GetJobStatusRequest** (section [3.1.4.12.1.1](#)) request **WSDL message** to get the status of a translation job.

The protocol server MUST respond with a **GetJobStatusResponse** (section [3.1.4.12.1.2](#)) response **WSDL message**.

### 3.1.4.12.1 Messages

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

Message	Description
<b>GetJobStatusRequest</b>	The request <b>WSDL message</b> for the <b>GetJobStatus WSDL operation</b> .
<b>GetJobStatusResponse</b>	The response <b>WSDL message</b> for the <b>GetJobStatus WSDL operation</b> .

#### 3.1.4.12.1.1 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.

#### 3.1.4.12.1.2 GetJobStatusResponse

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

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

### 3.1.4.12.2 Elements

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

Element	Description
<b>GetJobStatusRequest</b>	The input data for the <b>GetJobStatus WSDL operation</b> .

Element	Description
<b>GetJobStatusResponse</b>	The result data for the <b>GetJobStatus</b> WSDL operation.

### 3.1.4.12.2.1 GetJobStatusRequest

The **GetJobStatusRequest** element specifies 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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="q14:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**JobId:** A **JobId** (section [2.2.3.2](#)) element identifying the **translation job**. This element MUST NOT be null.

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

### 3.1.4.12.2.2 GetJobStatusResponse

The **GetJobStatusResponse** element specifies 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>
```

**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.

### 3.1.4.12.3 Complex Types

None.

### 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 GetSyncStreamOutputBytes

Retrieves the output file for the **immediate translation job** that was submitted with the **AddSyncStreamJob** (section [3.1.4.3](#)) **WSDL operation**.

The following is the **WSDL** port type specification of the **GetSyncStreamOutputBytes** 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="tns: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="tns: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, because of 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

### 3.1.4.13.1 Messages

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

Message	Description
<b>GetSyncStreamOutputBytesRequest</b>	The request WSDL message for the <b>GetSyncStreamOutputBytes WSDL operation</b> .
<b>GetSyncStreamOutputBytesResponse</b>	The response WSDL message for the <b>GetSyncStreamOutputBytes WSDL operation</b> .

#### 3.1.4.13.1.1 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.

#### 3.1.4.13.1.2 GetSyncStreamOutputBytesResponse

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

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

### 3.1.4.13.2 Elements

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

Element	Description
<b>GetSyncStreamOutputBytesRequest</b>	The input data for the <b>GetSyncStreamOutputBytes WSDL operation</b> .
<b>GetSyncStreamOutputBytesResponse</b>	The result data for the <b>GetSyncStreamOutputBytes WSDL operation</b> .

#### 3.1.4.13.2.1 GetSyncStreamOutputBytesRequest

The **GetSyncStreamOutputBytesRequest** element specifies 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>
```

```
</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 [2.2.3.2](#)) that identifies the **immediate translation job** for which the output file is requested.

### 3.1.4.13.2 GetSyncStreamOutputBytesResponse

The **GetSyncStreamOutputBytesResponse** element specifies 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.

### 3.1.4.13.3 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 Ping

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

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

```
<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="tns: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="tns:PingResponse"
      xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  </wsdl:operation>

```

The protocol client sends a **PingRequest** (section [3.1.4.14.1.1](#)) request **WSDL message** and the protocol server MUST return a **PingResponse** (section [3.1.4.14.1.2](#)) 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
<b>PingRequest</b>	The request WSDL message for the <b>Ping WSDL operation</b> .
<b>PingResponse</b>	The response WSDL message for the <b>Ping WSDL operation</b> .

#### 3.1.4.14.1.1 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.

#### 3.1.4.14.1.2 PingResponse

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

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

### 3.1.4.14.2 Elements

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

Element	Description
<b>PingRequest</b>	The input data for the <b>Ping WSDL operation</b> .
<b>PingResponse</b>	The result data for the <b>Ping WSDL operation</b> .

#### 3.1.4.14.2.1 PingRequest

The **PingRequest** element specifies 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>
```

#### 3.1.4.14.2 PingResponse

The **PingResponse** element specifies 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.

#### 3.1.4.14.3 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 SubmitJob

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

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

```

<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="tns: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/respons
e" name="SubmitJobResponse" message="tns:SubmitJobResponse"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/readOnlyFault"
name="ReadOnlyFaultFault"
message="tns:ITranslationServiceApplication_SubmitJob_ReadOnlyFaultFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **SubmitJobRequest** (section [3.1.4.15.1.1](#)) 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 respond with a **SubmitJobResponse** (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
<b>SubmitJobRequest</b>	The request WSDL message for the <b>SubmitJob WSDL operation</b> .
<b>SubmitJobResponse</b>	The response WSDL message for the <b>SubmitJob WSDL operation</b> .

#### 3.1.4.15.1.1 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.

#### 3.1.4.15.1.2 SubmitJobResponse

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

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

### 3.1.4.15.2 Elements

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

Element	Description
<b>SubmitJobRequest</b>	The input data for the <b>SubmitJob WSDL operation</b> .
<b>SubmitJobResponse</b>	The result data for the <b>SubmitJob WSDL operation</b> .

### 3.1.4.15.2.1 SubmitJobRequest

The **SubmitJobRequest** element specifies 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 [2.2.3.2](#)) element identifying the **translation job** to mark as submitted.

### 3.1.4.15.2.2 SubmitJobResponse

The **SubmitJobResponse** element specifies 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>
```

### 3.1.4.15.3 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.

## 3.1.5 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 its storage. 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 its storage. 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 its storage. 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**. 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>
  <UserName>>true</UserName>
</GetJobsRequest>

```

The protocol server receives the request and gets the list of **translation jobs** from its storage. 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 its storage. 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 its storage. 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>
  <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 its storage. 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>

```

#### 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 its storage. 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 one immediate translation job:

- The job translates a file, myfile.doc, stored locally on the protocol client. This job will be created using the **AddSyncStreamJob** operation. 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 it will be transmitted with two requests.

#### 4.3.1 Adding a streaming job

The protocol client sends the following **AddSyncStreamJobRequest** to the protocol server for the 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">
  <FileOpenFormat>doc</FileOpenFormat>
  <InputStreamInBytes>TWFuIGlzIGRpc3Rpd</InputStreamInBytes>
  <JobId>1118198185349178817</JobId>
  <MoreBytesToReceive>true</MoreBytesToReceive>
  <PartitionId i:nil="true" />
  <Settings>
    <b:OutputSaveBehavior>AppendIfPossible</b:OutputSaveBehavior>
    <b:TargetLanguage>th</b:TargetLanguage>
  </Settings>
</AddSyncStreamJobRequest>

```

The protocol server responds with an **AddSyncStreamJobResponse**, 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">
  <FileOpenFormat>doc</FileOpenFormat>
  <InputStreamInBytes>bmX5IGJ5IGhpcyBy</InputStreamInBytes>
  <JobId>1118198185349178817</JobId>
  <MoreBytesToReceive>false</MoreBytesToReceive>
  <PartitionId i:nil="true" />
  <Settings>

```

```
<b:OutputSaveBehavior>AppendIfPossible</b:OutputSaveBehavior>
<b:TargetLanguage>th</b:TargetLanguage>
</Settings>
</AddSyncStreamJobRequest>
```

The protocol server begins processing the request and sends the following **AddSyncStreamJobResponse** 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 it will make a **BatchGetSyncJobStatus** request later to get the final status of the job.

### 4.3.2 Getting the job status

The protocol client sends the following **BatchGetSyncJobStatusRequest** to the protocol server to get the status of the **immediate translation job** 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>1118198185349178817</b:unsignedLong>
  </JobIds>
</BatchGetSyncJobStatusRequest>
```

The protocol server has finished translating the job, and the job 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">

  <ErrorCodes>
    <b:NullableOfint i:nil="nil" />
  </ErrorCodes>
  <JobIds>
    <b:unsignedLong>1118198185349178817</b:unsignedLong>
  </JobIds>

  <MoreBytesToReceive>true</MoreBytesToReceive>
  <OutputStreamsInBytes>
    <b:base64Binary i:nil="nil" />
  </OutputStreamsInBytes>
</BatchGetSyncJobStatusResponse>
```



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

### 4.3.3 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">

  <BytesReceived>0</BytesReceived>
  <JobId>1118198185349178817</JobId>
</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">
  <MoreBytesToReceive>true</MoreBytesToReceive>
  <OutputStreamInBytes>IGJ5bmx5IcyBGhpy</OutputStreamInBytes>
</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">

  <BytesReceived>12</BytesReceived>
  <JobId>1118198185349178817</JobId>
</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">
  <MoreBytesToReceive>false</MoreBytesToReceive>
  <OutputStreamInBytes>uIGTWFlzIG3RpRpc</OutputStreamInBytes>
</GetSyncStreamOutputBytesResponse>
```

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

## 5 Security

### 5.1 Security Considerations for Implementers

None.

### 5.2 Index of Security Parameters

Security Parameter	Section
UserToken	<a href="#">2.2.3.5</a>

## 6 Appendix A: Full WSDL

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

```
<?xml version="1.0" encoding="UTF-8"?>
<wsdl:definitions xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:tns="http://schemas.microsoft.com/office/server/translation/2010/11/service"
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:tns3="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.datacontract.org/2004/07/System"/>
      <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/">
      <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
      <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/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/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/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/convertBatch"/>
      <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: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/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/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/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/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/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/ping"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/ping/response"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/service"/>
    <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/translationJobSetti
ngs"/>
  </xs:schema>
</wsdl:types>
  <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="tns:PingRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/ping/response"
name="PingResponse" message="tns:PingResponse"/>
    </wsdl:operation>
    <wsdl:operation name="CancelJob">
      <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob"
name="CancelJobRequest" message="tns:CancelJobRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/respons
e" name="CancelJobResponse" message="tns:CancelJobResponse"/>
      <wsdl:fault
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/readOnlyFault"
name="ReadOnlyFaultFault"
message="tns:ITranslationServiceApplication CancelJob ReadOnlyFaultFault FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetJobStatus">
      <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus"
name="GetJobStatusRequest" message="tns:GetJobStatusRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/resp
onse" name="GetJobStatusResponse" message="tns:GetJobStatusResponse"/>
    </wsdl:operation>
    <wsdl:operation name="BatchGetSyncJobStatus">
      <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus"
name="BatchGetSyncJobStatusRequest" message="tns:BatchGetSyncJobStatusRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/r
esponse" name="BatchGetSyncJobStatusResponse" message="tns:BatchGetSyncJobStatusResponse"/>
    </wsdl:operation>
    <wsdl:operation name="AddSyncStreamJob">

```

```

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

```

```

        <wsdl:operation name="GetItems">
            <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
name="GetItemsRequest" message="tns:GetItemsRequest"/>
            <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"
name="GetItemsResponse" message="tns:GetItemsResponse"/>
        </wsdl:operation>
        <wsdl:operation name="ConvertBatch">
            <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="ConvertBatchRequest" message="tns:ConvertBatchRequest"/>
            </wsdl:operation>
        <wsdl:operation name="GetId">
            <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getId"
name="GetIdRequest" message="tns:GetIdRequest"/>
            <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getId/response"
name="GetIdResponse" message="tns:GetIdResponse"/>
            </wsdl:operation>
        <wsdl:operation name="GetConfiguration">
            <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration"
name="GetConfigurationRequest" message="tns:GetConfigurationRequest"/>
            <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationR
esponse" name="GetConfigurationResponse" message="tns:GetConfigurationResponse"/>
            </wsdl:operation>
        </wsdl:portType>
        <wsdl:binding name="DefaultBinding ITranslationServiceApplication"
type="tns: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:fault name="ReadOnlyFaultFault">
                    <soap:fault use="literal" name="ReadOnlyFaultFault" namespace=""/>
                </wsdl:fault>
            </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: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="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="ReadOnlyFaultFault">
        <soap:fault use="literal" name="ReadOnlyFaultFault" 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:fault name="ReadOnlyFaultFault">
        <soap:fault use="literal" name="ReadOnlyFaultFault" namespace=""/>
      </wsdl:fault>
    </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:fault name="ReadOnlyFaultFault">
        <soap:fault use="literal" name="ReadOnlyFaultFault" namespace=""/>
    </wsdl:fault>
</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:message name="AddGroupRequest">
  <wsdl:part
xmlns:q15="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup"
name="parameters" element="q15:AddGroupRequest"/>
</wsdl:message>
<wsdl:message name="AddGroupResponse">
  <wsdl:part
xmlns:q16="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response"
name="parameters" element="q16:AddGroupResponse"/>
</wsdl:message>
<wsdl:message name="AddJobRequest">
  <wsdl:part
xmlns:q13="http://schemas.microsoft.com/office/server/translation/2010/11/addJob"
name="parameters" element="q13:AddJobRequest"/>
</wsdl:message>
<wsdl:message name="AddJobResponse">
  <wsdl:part
xmlns:q13="http://schemas.microsoft.com/office/server/translation/2010/11/addJob"
name="parameters" element="q13:AddJobResponse"/>
</wsdl:message>
<wsdl:message name="AddSyncStreamJobRequest">
  <wsdl:part
xmlns:q9="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob"
name="parameters" element="q9:AddSyncStreamJobRequest"/>
</wsdl:message>
<wsdl:message name="AddSyncStreamJobResponse">
  <wsdl:part
xmlns:q10="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/re
sponse" name="parameters" element="q10:AddSyncStreamJobResponse"/>
</wsdl:message>
<wsdl:message name="BatchGetSyncJobStatusRequest">
  <wsdl:part
xmlns:q7="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus"
name="parameters" element="q7:BatchGetSyncJobStatusRequest"/>
</wsdl:message>
<wsdl:message name="BatchGetSyncJobStatusResponse">
  <wsdl:part
xmlns:q8="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/res
ponse" name="parameters" element="q8:BatchGetSyncJobStatusResponse"/>
</wsdl:message>
<wsdl:message name="CancelJobRequest">
  <wsdl:part
xmlns:q3="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob"
name="parameters" element="q3:CancelJobRequest"/>
</wsdl:message>
<wsdl:message name="CancelJobResponse">
  <wsdl:part
xmlns:q4="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response"
name="parameters" element="q4:CancelJobResponse"/>
</wsdl:message>
<wsdl:message name="ConvertBatchRequest">
  <wsdl:part
xmlns:q25="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="parameters" element="q25:ConvertBatchRequest"/>
</wsdl:message>
<wsdl:message name="GetConfigurationRequest">
  <wsdl:part
xmlns:q28="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration"
name="parameters" element="q28:GetConfigurationRequest"/>
</wsdl:message>
<wsdl:message name="GetConfigurationResponse">
  <wsdl:part
xmlns:q29="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationRes
ponse" name="parameters" element="q29:GetConfigurationResponse"/>
</wsdl:message>
<wsdl:message name="GetGroupsRequest">

```

```

    <wsdl:part
xmlns:q21="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups"
name="parameters" element="q21:GetGroupsRequest"/>
  </wsdl:message>
  <wsdl:message name="GetGroupsResponse">
    <wsdl:part
xmlns:q22="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response"
name="parameters" element="q22:GetGroupsResponse"/>
    </wsdl:message>
    <wsdl:message name="GetIdRequest">
      <wsdl:part
xmlns:q26="http://schemas.microsoft.com/office/server/translation/2010/11/getId"
name="parameters" element="q26:GetIdRequest"/>
      </wsdl:message>
      <wsdl:message name="GetIdResponse">
        <wsdl:part
xmlns:q27="http://schemas.microsoft.com/office/server/translation/2010/11/getId/response"
name="parameters" element="q27:GetIdResponse"/>
        </wsdl:message>
        <wsdl:message name="GetItemsRequest">
          <wsdl:part
xmlns:q23="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
name="parameters" element="q23:GetItemsRequest"/>
          </wsdl:message>
          <wsdl:message name="GetItemsResponse">
            <wsdl:part
xmlns:q23="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
name="parameters" element="q23:GetItemsResponse"/>
            </wsdl:message>
            <wsdl:message name="GetJobsRequest">
              <wsdl:part
xmlns:q19="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs"
name="parameters" element="q19:GetJobsRequest"/>
              </wsdl:message>
              <wsdl:message name="GetJobsResponse">
                <wsdl:part
xmlns:q20="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response"
name="parameters" element="q20:GetJobsResponse"/>
                </wsdl:message>
                <wsdl:message name="GetJobStatusRequest">
                  <wsdl:part
xmlns:q5="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus"
name="parameters" element="q5:GetJobStatusRequest"/>
                  </wsdl:message>
                  <wsdl:message name="GetJobStatusResponse">
                    <wsdl:part
xmlns:q6="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/respons
e" name="parameters" element="q6:GetJobStatusResponse"/>
                    </wsdl:message>
                    <wsdl:message name="GetSyncStreamOutputBytesRequest">
                      <wsdl:part
xmlns:q11="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutput
Bytes" name="parameters" element="q11:GetSyncStreamOutputBytesRequest"/>
                      </wsdl:message>
                      <wsdl:message name="GetSyncStreamOutputBytesResponse">
                        <wsdl:part
xmlns:q12="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutput
Bytes/response" name="parameters" element="q12:GetSyncStreamOutputBytesResponse"/>
                        </wsdl:message>
                        <wsdl:message
name="ITranslationServiceApplication_AddGroup_ReadOnlyFaultFault_FaultMessage">
                          <wsdl:part name="detail" element="tns:ReadOnlyFault"/>
                        </wsdl:message>
                        <wsdl:message name="ITranslationServiceApplication_AddJob_ReadOnlyFaultFault_FaultMessage">
                          <wsdl:part name="detail" element="tns:ReadOnlyFault"/>
                        </wsdl:message>
                        <wsdl:message
name="ITranslationServiceApplication_CancelJob_ReadOnlyFaultFault_FaultMessage">
                          <wsdl:part name="detail" element="tns:ReadOnlyFault"/>
                        </wsdl:message>

```

```
</wsdl:message>
<wsdl:message
name="ITranslationServiceApplication_SubmitJob_ReadOnlyFaultFault_FaultMessage">
  <wsdl:part name="detail" element="tns:ReadOnlyFault"/>
</wsdl:message>
<wsdl:message name="PingRequest">
  <wsdl:part xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/ping"
name="parameters" element="q1:PingRequest"/>
</wsdl:message>
<wsdl:message name="PingResponse">
  <wsdl:part
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/ping/response"
name="parameters" element="q2:PingResponse"/>
</wsdl:message>
<wsdl:message name="SubmitJobRequest">
  <wsdl:part
xmlns:q17="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob"
name="parameters" element="q17:SubmitJobRequest"/>
</wsdl:message>
<wsdl:message name="SubmitJobResponse">
  <wsdl:part
xmlns:q18="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response"
name="parameters" element="q18:SubmitJobResponse"/>
</wsdl:message>
</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.

Schema name	Prefix	Section
http://schemas.microsoft.com/2003/10/Serialization/Arrays	tns1	<a href="#">7.1</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response	q20	<a href="#">7.15</a>
http://schemas.microsoft.com/office/server/translation/2010/11/ping	q1	<a href="#">7.25</a>
http://schemas.microsoft.com/office/server/translation/2010/11/service	tns	<a href="#">7.26</a>
http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response	q18	<a href="#">7.27</a>
http://schemas.microsoft.com/office/server/translation/2010/11/submitJob	q17	<a href="#">7.28</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getItems	q23	<a href="#">7.14</a>
http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings	tns2	<a href="#">7.29</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response	q30	<a href="#">7.12</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getId/response	q27	<a href="#">7.10</a>
http://schemas.microsoft.com/2003/10/Serialization/	q14	<a href="#">7.2</a>
http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response	q16	<a href="#">7.13</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getJobs	q19	<a href="#">7.16</a>
http://schemas.microsoft.com/office/server/translation/2010/11/addGroup	q15	<a href="#">7.24</a>
http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response	q31	<a href="#">7.31</a>
http://schemas.microsoft.com/office/server/translation/2010/11/addJob	q13	<a href="#">7.32</a>
http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/response	q10	<a href="#">7.33</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getId	q26	<a href="#">7.11</a>
http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob	q9	<a href="#">7.34</a>
http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob	q3	<a href="#">7.4</a>
http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch	q25	<a href="#">7.5</a>
http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration	q28	<a href="#">7.6</a>

Schema name	Prefix	Section
http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationResponse	q29	<a href="#">7.7</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/response	q6	<a href="#">7.17</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response	q22	<a href="#">7.8</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getGroups	q21	<a href="#">7.9</a>
http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response	q4	<a href="#">7.3</a>
http://schemas.datacontract.org/2004/07/System	q24	<a href="#">7.30</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus	q5	<a href="#">7.18</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/response	q8	<a href="#">7.19</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus	q7	<a href="#">7.20</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes/response	q12	<a href="#">7.21</a>
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes	q11	<a href="#">7.22</a>
http://schemas.microsoft.com/office/server/translation/2010/11/ping/response	q2	<a href="#">7.23</a>

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

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

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:tns1="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="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="tns1:ArrayOfunsignedLong"/>
  <xs:complexType name="ArrayOfbase64Binary">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="base64Binary" nillable="true"
type="xs:base64Binary"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfbase64Binary" nillable="true" type="tns1: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="tns1:ArrayOfstring"/>
  <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:q25="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="Value" nillable="true" type="q25:ConvertBatchJob"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ" nillable="true"
type="tns1:ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ"/>
</xs:schema>

```

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

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:q14="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="q14:char"/>
  <xs:simpleType name="char">
    <xs:restriction base="xs:int"/>
  </xs:simpleType>
  <xs:element name="duration" nillable="true" type="q14: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="q14: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: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" encoding="UTF-8"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/res
ponse" 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" encoding="UTF-8"?>
<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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="q14: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" encoding="UTF-8"?>
<xs:schema xmlns:q14="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/2003/10/Serialization/Arrays" />
  <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSetti
ngs" />
  <xs:element name="ConvertBatchRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element
xmlns:q25="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
minOccurs="0" name="Items" nillable="true" type="q25:ArrayOfConvertBatchItem"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="Jobs" nillable="true"
type="tns1:ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```

```

        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfConvertBatchItem">
    <xs:sequence>
        <xs:element
xmlns:q25="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
minOccurs="0" maxOccurs="unbounded" name="ConvertBatchItem" nillable="true"
type="q25:ConvertBatchItem"/>
    </xs:sequence>
</xs:complexType>
<xs:element
xmlns:q25="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="ArrayOfConvertBatchItem" nillable="true" type="q25: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:q25="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="ConvertBatchItem" nillable="true" type="q25:ConvertBatchItem"/>
    <xs:complexType name="ConvertBatchJob">
        <xs:sequence>
            <xs:element minOccurs="0" name="PartitionId" nillable="true" type="q14:guid"/>
            <xs:element
xmlns:tns2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"
minOccurs="0" name="Settings" nillable="true" type="tns2:TranslationJobSettings"/>
            <xs:element minOccurs="0" name="UserToken" nillable="true" type="xs:base64Binary"/>
        </xs:sequence>
    </xs:complexType>
<xs:element
xmlns:q25="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="ConvertBatchJob" nillable="true" type="q25: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" encoding="UTF-8"?>
<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" encoding="UTF-8"?>
<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:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="Extensions" nillable="true" type="tns1:ArrayOfstring"/>
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="Languages" nillable="true" type="tns1: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

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema
xmlns:q22="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/res
ponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSetti
ngs"/>
  <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="q22: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="q22:GetGroupsGroup"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfGetGroupsGroup" nillable="true" type="q22: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 name="GetGroupsGroup" nillable="true" type="q22:GetGroupsGroup"/>
</xs:schema>

```

## 7.9 http://schemas.microsoft.com/office/server/translation/2010/11/getGroups Schema

```

<?xml version="1.0" encoding="UTF-8"?>
<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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="q14:guid" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:schema>

```

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

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getId/response"
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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="Id" type="q14:guid" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

## 7.11 <http://schemas.microsoft.com/office/server/translation/2010/11/getId> Schema

```

<?xml version="1.0" encoding="UTF-8"?>
<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/response> Schema

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema
xmlns:q30="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"
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="q30:GetItemsItem" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfGetItemsItem" nillable="true" type="q30: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="q30:GetItemsItem"/>
<xs:element name="Items" nillable="true" type="q30:ArrayOfGetItemsItem"/>
</xs:schema>

```

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

```

<?xml version="1.0" encoding="UTF-8"?>
<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" encoding="UTF-8"?>
<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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="q14: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:q30="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"
minOccurs="0" ref="q30: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" encoding="UTF-8"?>
<xs:schema
  xmlns:q20="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response"
  elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response"
  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="q20:ArrayOfGetJobsJob"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:complexType name="ArrayOfGetJobsJob">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="GetJobsJob" nillable="true"
        type="q20:GetJobsJob"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfGetJobsJob" nillable="true" type="q20: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="q20:GetJobsJob"/>
</xs:schema>
```

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

```
<?xml version="1.0" encoding="UTF-8"?>
<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 xmlns:q14="http://schemas.microsoft.com/2003/10/Serialization/"
          minOccurs="0" name="PartitionId" nillable="true" type="q14:guid"/>
        <xs:element minOccurs="0" name="SubmittedOnly" type="xs:boolean"/>
        <xs:element minOccurs="0" name="UserName" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

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

```
<?xml version="1.0" encoding="UTF-8"?>
```

```

<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" encoding="UTF-8"?>
<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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="q14: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" encoding="UTF-8"?>
<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:element name="BatchGetSyncJobStatusResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q24="http://schemas.datacontract.org/2004/07/System" minOccurs="0"
name="ErrorCodes" nillable="true" type="q24:ArrayOfNullableOfint"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="JobIds" nillable="true" type="tns1:ArrayOfunsignedLong"/>
        <xs:element minOccurs="0" name="MoreBytesToReceive" type="xs:boolean"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="OutputStreamsInBytes" nillable="true" type="tns1:ArrayOfbase64Binary"/>
      </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" encoding="UTF-8"?>
<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:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="JobIds" nillable="true" type="tns1: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" encoding="UTF-8"?>
<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" encoding="UTF-8"?>
<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" encoding="UTF-8"?>
<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" encoding="UTF-8"?>
<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:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="Items" nillable="true" type="tns1:ArrayOfstring"/>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="OutputItems" nillable="true" type="tns1: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" encoding="UTF-8"?>
<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" encoding="UTF-8"?>
<xs:schema xmlns:tns="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:complexType name="ReadOnlyFault">
    <xs:sequence/>
  </xs:complexType>
  <xs:element name="ReadOnlyFault" nillable="true" type="tns:ReadOnlyFault"/>
  <xs:simpleType name="SaveBehavior">
    <xs:restriction base="xs:string">
      <xs:enumeration value="AppendIfPossible"/>
    </xs:restriction>
  </xs:simpleType>

```

```

    <xs:enumeration value="AlwaysOverwrite"/>
    <xs:enumeration value="AppendOnly"/>
    <xs:enumeration value="NeverOverwrite"/>
  </xs:restriction>
</xs:simpleType>
<xs:element name="SaveBehavior" nillable="true" type="tns:SaveBehavior"/>
</xs:schema>

```

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

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/res
ponse" 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/submitJob> Schema

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob"
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/translationJobSettings> Schema

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema
xmlns:tns2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSett
ings" elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/translationJo
bSettings" 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:tns="http://schemas.microsoft.com/office/server/translation/2010/11/service"
minOccurs="0" name="OutputSaveBehavior" type="tns:SaveBehavior"/>
      <xs:element minOccurs="0" name="TargetLanguage" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="TranslationJobSettings" nillable="true"
type="tns2:TranslationJobSettings"/>
</xs:schema>

```



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

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:q24="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="q24:ArrayOfNullableOfint"/>
</xs:schema>
```

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

```
<?xml version="1.0" encoding="UTF-8"?>
<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" encoding="UTF-8"?>
<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/addJob/response" />
  <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSetti
ngs" />
  <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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="q14:guid"/>
        <xs:element
xmlns:tns2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSett
ings" minOccurs="0" name="Settings" nillable="true" type="tns2:TranslationJobSettings"/>
        <xs:element minOccurs="0" name="UserName" nillable="true" type="xs:string"/>
        <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:q31="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response"
minOccurs="0" ref="q31:JobAdded"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
```

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

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

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/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>
```

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

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob" 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: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:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="q14:guid"/>
        <xs:element
xmlns:tns2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings" minOccurs="0" name="Settings" nillable="true" type="tns2: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 updates to those products.

- Microsoft SharePoint Server 2013
- Microsoft SharePoint Server 2016
- Microsoft SharePoint Server 2019

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

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

<1> [Section 3.1.4.7.2.2](#): SharePoint Server 2013 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

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

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

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

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

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

The changes made to this document are listed in the following table. For more information, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com).

Section	Description	Revision class
<a href="#">2.2.3</a> Elements	Removed sentence at end of section.	Minor

## 10 Index

### A

Abstract data model  
  [server](#) 21  
[Applicability](#) 12  
[ArrayOfstring complex type](#) 18  
[Attribute groups](#) 20  
[Attributes](#) 19

### C

[Capability negotiation](#) 13  
[Change tracking](#) 100  
Client  
  [overview](#) 21  
[Complex types](#) 17  
  [ArrayOfstring](#) 18  
  [ReadOnlyFault](#) 18  
  [TranslationJobSettings](#) 18  
[Creating a translation job example](#) 65  
[Creating a translation job example – adding the first group](#) 66  
[Creating a translation job example – adding the job](#) 65  
[Creating a translation job example – adding the second group](#) 66  
[Creating a translation job example – submitting the job](#) 67  
[Creating immediate translation jobs example](#) 71  
[Creating immediate translation jobs example – adding a streaming job](#) 71  
[Creating immediate translation jobs example – completing the downloading of the streaming job](#) 73  
[Creating immediate translation jobs example – getting the job status](#) 72

### D

Data model - abstract  
  [server](#) 21

### E

Elements  
  [GroupId](#) 16  
  [JobId](#) 17  
  [PartitionId](#) 17  
  [Settings](#) 17  
  [UserToken](#) 17

### Events

[local - server](#) 64  
  [timer - server](#) 63

### Examples

[creating a translation job](#) 65  
  [creating a translation job – adding the first group](#) 66  
  [creating a translation job – adding the job](#) 65  
  [creating a translation job – adding the second group](#) 66  
  [creating a translation job – submitting the job](#) 67

[creating immediate translation jobs](#) 71  
  [creating immediate translation jobs – adding a streaming job](#) 71  
  [creating immediate translation jobs – completing the downloading of the streaming job](#) 73  
  [creating immediate translation jobs – getting the job status](#) 72  
  [getting the status of a translation job](#) 67  
  [getting the status of a translation job – getting the groups](#) 68  
  [getting the status of a translation job – getting the items in the first group](#) 69  
  [getting the status of a translation job – getting the items in the second group](#) 70  
  [getting the status of a translation job – getting the job](#) 67  
  [getting the status of a translation job – getting the job status](#) 68

### F

[Fields - vendor-extensible](#) 13  
[Full WSDL](#) 75  
[Full XML schema](#) 84  
  <http://schemas.datacontract.org/2004/07/System.Schema> 97  
  
  <http://schemas.microsoft.com/2003/10/Serialization/Schema> 86  
  
  <http://schemas.microsoft.com/2003/10/Serialization/Arrays.Schema> 85  
  
  <http://schemas.microsoft.com/office/server/translation/2010/11/addGroup.Schema> 95  
  
  <http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response.Schema> 91  
  
  <http://schemas.microsoft.com/office/server/translation/2010/11/addJob.Schema> 97  
  
  <http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response.Schema> 97  
  
  <http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob.Schema> 98  
  
  <http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/response.Schema> 98  
  
  <http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob.Schema> 87  
  
  <http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response.Schema> 87  
  
  <http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch.Schema> 87

<http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration Schema> 88

<http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationResponse Schema> 88

<http://schemas.microsoft.com/office/server/translation/2010/11/getGroups Schema> 89

<http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response Schema> 89

<http://schemas.microsoft.com/office/server/translation/2010/11/getId Schema> 90

<http://schemas.microsoft.com/office/server/translation/2010/11/getId/response Schema> 90

<http://schemas.microsoft.com/office/server/translation/2010/11/getItems Schema> 91

<http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response Schema> 90

<http://schemas.microsoft.com/office/server/translation/2010/11/getJobs Schema> 92

<http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response Schema> 92

<http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus Schema> 93

<http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/response Schema> 92

<http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus Schema> 94

<http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/response Schema> 93

<http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes Schema> 94

<http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes/response Schema> 94

<http://schemas.microsoft.com/office/server/translation/2010/11/ping Schema> 95

<http://schemas.microsoft.com/office/server/translation/2010/11/ping/response Schema> 94

<http://schemas.microsoft.com/office/server/translation/2010/11/service Schema> 95

<http://schemas.microsoft.com/office/server/translation/2010/11/submitJob Schema> 96

<http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response Schema> 96

<http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings Schema> 96

## G

[Getting the status of a translation job example](#) 67

[Getting the status of a translation job example – getting the groups](#) 68

[Getting the status of a translation job example – getting the items in the first group](#) 69

[Getting the status of a translation job example – getting the items in the second group](#) 70

[Getting the status of a translation job example – getting the job](#) 67

[Getting the status of a translation job example – getting the job status](#) 68

[Glossary](#) 9

[GroupId element](#) 16

[Groups](#) 20

[guid simple type](#) 19

## I

[Implementer - security considerations](#) 74

[Index of security parameters](#) 74

[Informative references](#) 11

[Initialization](#)

[server](#) 22

[Introduction](#) 9

## J

[JobId element](#) 17

## L

[Local events](#)

[server](#) 64

## M

[Message processing](#)

[server](#) 22

[Messages](#)

[ArrayOfstring complex type](#) 18

[attribute groups](#) 20

[attributes](#) 19

[complex types](#) 17

[elements](#) 16

[enumerated](#) 16

[GroupId element](#) 16

[groups](#) 20

[guid simple type](#) 19

[JobId element](#) 17

[namespaces](#) 14

[PartitionId element](#) 17

[ReadOnlyFault complex type](#) 18

[SaveBehavior simple type](#) 19

[Settings element](#) 17

- [simple types](#) 18
- [syntax](#) 14
- [TranslationJobSettings complex type](#) 18
- [transport](#) 14
- [UserToken element](#) 17

**N**

- [Namespaces](#) 14
- [Normative references](#) 11

**O**

Operations

- [AddGroup](#) 23
- [AddJob](#) 25
- [AddSyncStreamJob](#) 28
- [BatchGetSyncJobStatus](#) 30
- [CancelJob](#) 34
- [ConvertBatch](#) 36
- [GetConfiguration](#) 40
- [GetGroups](#) 42
- [GetId](#) 45
- [GetItems](#) 48
- [GetJobs](#) 51
- [GetJobStatus](#) 54
- [GetSyncStreamOutputBytes](#) 57
- [Ping](#) 59
- [SubmitJob](#) 61

[Overview \(synopsis\)](#) 12

**P**

- [Parameters - security index](#) 74
- [PartitionId element](#) 17
- [Preconditions](#) 12
- [Prerequisites](#) 12
- [Product behavior](#) 99

Protocol Details

- [overview](#) 21

**R**

- [ReadOnlyFault complex type](#) 18

[References](#) 10

- [informative](#) 11
- [normative](#) 11

[Relationship to other protocols](#) 12

**S**

- [SaveBehavior simple type](#) 19

Security

- [implementer considerations](#) 74
- [parameter index](#) 74

Sequencing rules

- [server](#) 22

Server

- [abstract data model](#) 21
- [AddGroup operation](#) 23
- [AddJob operation](#) 25
- [AddSyncStreamJob operation](#) 28
- [BatchGetSyncJobStatus operation](#) 30
- [CancelJob operation](#) 34
- [ConvertBatch operation](#) 36
- [GetConfiguration operation](#) 40
- [GetGroups operation](#) 42
- [GetId operation](#) 45
- [GetItems operation](#) 48
- [GetJobs operation](#) 51
- [GetJobStatus operation](#) 54
- [GetSyncStreamOutputBytes operation](#) 57
- [initialization](#) 22
- [local events](#) 64
- [message processing](#) 22
- [overview](#) 21
- [Ping operation](#) 59
- [sequencing rules](#) 22
- [SubmitJob operation](#) 61
- [timer events](#) 63
- [timers](#) 22
- [Settings element](#) 17
- [Simple types](#) 18
  - [guid](#) 19
  - [SaveBehavior](#) 19
- [Standards assignments](#) 13

Syntax

- [messages - overview](#) 14

**T**

Timer events

- [server](#) 63

Timers

- [server](#) 22

- [Tracking changes](#) 100
- [TranslationJobSettings complex type](#) 18
- [Transport](#) 14

Types

- [complex](#) 17
- [simple](#) 18

**U**

- [UserToken element](#) 17

**V**

- [Vendor-extensible fields](#) 13
- [Versioning](#) 13

**W**

- [WSDL](#) 75

**X**

XML schema 84

- <http://schemas.datacontract.org/2004/07/System.Schema> 97
- <http://schemas.microsoft.com/2003/10/Serialization/Schema> 86
- <http://schemas.microsoft.com/2003/10/Serialization/Arrays.Schema> 85

<http://schemas.microsoft.com/office/server/translation/2010/11/addGroup> Schema 95

<http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response> Schema 91

<http://schemas.microsoft.com/office/server/translation/2010/11/addJob> Schema 97

<http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response> Schema 97

<http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob> Schema 98

<http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/response> Schema 98

<http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob> Schema 87

<http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response> Schema 87

<http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch> Schema 87

<http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration> Schema 88

<http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationResponse> Schema 88

<http://schemas.microsoft.com/office/server/translation/2010/11/getGroups> Schema 89

<http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response> Schema 89

<http://schemas.microsoft.com/office/server/translation/2010/11/getId> Schema 90

<http://schemas.microsoft.com/office/server/translation/2010/11/getId/response> Schema 90

<http://schemas.microsoft.com/office/server/translation/2010/11/getItems> Schema 91

<http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response> Schema 90

<http://schemas.microsoft.com/office/server/translation/2010/11/getJobs> Schema 92

<http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response> Schema 92

<http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus> Schema 93

<http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/response> Schema 92

<http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus> Schema 94

<http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/response> Schema 93

<http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes> Schema 94

<http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes/response> Schema 94

<http://schemas.microsoft.com/office/server/translation/2010/11/ping> Schema 95

<http://schemas.microsoft.com/office/server/translation/2010/11/ping/response> Schema 94

<http://schemas.microsoft.com/office/server/translation/2010/11/service> Schema 95

<http://schemas.microsoft.com/office/server/translation/2010/11/submitJob> Schema 96

<http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response> Schema 96

<http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings> Schema 96

<http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings/response> Schema 96