[MS-TSWS]:

Translation Services Web Service Protocol

Intellectual Property Rights Notice for Open Specifications Documentation

- **Technical Documentation.** Microsoft publishes Open Specifications documentation for protocols, file formats, languages, standards as well as overviews of the interaction among each of these technologies.

- **Copyrights**. This documentation is covered by Microsoft copyrights. Regardless of any other terms that are contained in the terms of use for the Microsoft website that hosts this documentation, you may make copies of it in order to develop implementations of the technologies described in the Open Specifications and may distribute portions of it in your implementations using these technologies or your documentation as necessary to properly document the implementation. You may also distribute in your implementation, with or without modification, any schema, IDL's, or code samples that are included in the documentation. This permission also applies to any documents that are referenced in the Open Specifications.

- **No Trade Secrets**. Microsoft does not claim any trade secret rights in this documentation.

- **Patents**. Microsoft has patents that may cover your implementations of the technologies described in the Open Specifications. Neither this notice nor Microsoft's delivery of the documentation grants any licenses under those or any other Microsoft patents. However, a given Open Specification may be covered by Microsoft Open Specification Promise or the Community Promise. If you would prefer a written license, or if the technologies described in the Open Specifications are not covered by the Open Specifications Promise or Community Promise, as applicable, patent licenses are available by contacting iplg@microsoft.com.

- **Trademarks**. The names of companies and products contained in this documentation may be covered by trademarks or similar intellectual property rights. This notice does not grant any licenses under those rights. For a list of Microsoft trademarks, visit www.microsoft.com/trademarks.

- **Fictitious Names**. The example companies, organizations, products, domain names, e-mail addresses, logos, people, places, and events depicted in this documentation are fictitious. No association with any real company, organization, product, domain name, email address, logo, person, place, or event is intended or should be inferred.

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

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

Preliminary Documentation. This Open Specification provides documentation for past and current releases and/or for the pre-release version of this technology. This Open Specification is final documentation for past or current releases as specifically noted in the document, as applicable; it is preliminary documentation for the pre-release versions. Microsoft will release final documentation in connection with the commercial release of the updated or new version of this technology. As the documentation may change between this preliminary version and the final version of this technology, there are risks in relying on preliminary documentation. To the extent that you incur additional

development obligations or any other costs as a result of relying on this preliminary documentation, you do so at your own risk.

Revision Summary

Date	Revision History	Revision Class	Comments
1/20/2012	0.1	New	Released new document.
4/11/2012	0.2	Minor	Clarified the meaning of the technical content.
7/16/2012	0.2	No Change	No changes to the meaning, language, or formatting of the technical content.
9/12/2012	0.2	No Change	No changes to the meaning, language, or formatting of the technical content.
10/8/2012	1.0	Major	Significantly changed the technical content.
2/11/2013	1.0	No Change	No changes to the meaning, language, or formatting of the technical content.
7/30/2013	1.0	No Change	No changes to the meaning, language, or formatting of the technical content.
11/18/2013	1.0	No Change	No changes to the meaning, language, or formatting of the technical content.
2/10/2014	1.0	No Change	No changes to the meaning, language, or formatting of the technical content.
4/30/2014	1.1	Minor	Clarified the meaning of the technical content.
7/31/2014	1.1	No Change	No changes to the meaning, language, or formatting of the technical content.
8/24/2015	2.0	Major	Significantly changed the technical content.

Table of Contents

1 Introduction

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

Sections 1.8, 2, and 3 of this specification are normative and can contain the terms MAY, SHOULD, MUST, MUST NOT, and SHOULD NOT as defined in [RFC2119]. Sections 1.5 and 1.9 are also normative but do not contain those terms. All other sections and examples in this specification are informative.

1.1 Glossary

The following terms are specific to this document:

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 should 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. 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", May 2000, http://www.w3.org/TR/2000/NOTE-SOAP-20000508/

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

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

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

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

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

1.2.2 Informative References

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

1.3 Overview

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

1.4 Relationship to Other Protocols

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

The following diagram shows the underlying messaging and transport stack that is used by the protocol:
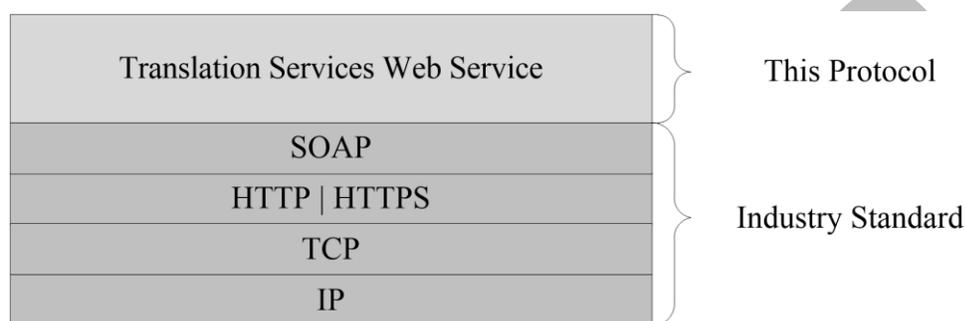
Figure 1: This protocol in relation to underlying messaging and transport stack protocols

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

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

This protocol MAY transmit an additional SOAP header, the **ServiceContex**t header, as specified in [MS-SPSTWS].

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

2.2 Common Message Syntax

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

2.2.1 Namespaces

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

Prefix	Namespace URI	Reference
q1	http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch	
q10	http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/response	
q11	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus	
q12	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/response	
q13	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob	
q14	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/res	

Prefix	Namespace URI	Reference
	ponse	
q15	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes	
q16	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes/response	
q17	http://schemas.microsoft.com/office/server/translation/2010/11/addJob	
q18	http://schemas.microsoft.com/office/server/translation/2010/11/addGroup	
q19	http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response	
q2	http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings	
q20	http://schemas.microsoft.com/office/server/translation/2010/11/submitJob	
q21	http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response	
q22	http://schemas.microsoft.com/office/server/translation/2010/11/getJobs	
q23	http://schemas.microsoft.com/office/server/translation/2010/11/getGroups	
q24	http://schemas.microsoft.com/office/server/translation/2010/11/getItems	
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/GetConfigurationResponse	
q3	http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response	
q4	http://schemas.datacontract.org/2004/07/System	
q5	http://schemas.microsoft.com/office/server/translation/2010/11/ping	
q6	http://schemas.microsoft.com/office/server/translation/2010/11/ping/response	
q7	http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob	
q8	http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response	
q9	http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus	
soap	http://schemas.xmlsoap.org/wsdl/soap/	[SOAP1.1]
tns	http://schemas.microsoft.com/2003/10/Serialization/Arrays	
tns1	http://schemas.microsoft.com/2003/10/Serialization/	
tns2	http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response	
tns3	http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response	
tns4	http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response	
tns5	http://schemas.microsoft.com/office/server/translation/2010/11/service	

Prefix	Namespace URI	Reference
tns6	http://schemas.microsoft.com/office/server/translation/2010/11/service/Imports	
wsaw	http://www.w3.org/2006/05/addressing/wsdl	
wsdl	http://schemas.xmlsoap.org/wsdl/	[WSDL]
xs	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA 1] [XMLSCHEMA 2]

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

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

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/translationJobSettin
gs" 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
ArrayOfstring	The **ArrayOfstring** complex type represents an array of arbitrary string values.
ReadOnlyFault	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.
TranslationJobSettings	The **TranslationJobSettings** 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:tns5="http://schemas.microsoft.com/office/server/translation/2010/11/service"
minOccurs="0" name="OutputSaveBehavior" type="tns5:SaveBehavior"/>
    <xs:element minOccurs="0" name="TargetLanguage" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

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

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

2.2.4.3 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
guid	A string representing a **GUID** or unique identifier.
SaveBehavior	A string value specifying the preferred overwrite behavior of the output file of a translation item 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	Always overwrite the existing file.
AppendOnly	If the output file location supports version history, append to the file's version history. If the output file location does not support version history, do not save the output file.
NeverOverwrite	Never overwrite an existing file.

2.2.6 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
AddGroup	Adds a group of translation items to a translation job.
AddJob	Adds a new translation job to the queue.
AddSyncStreamJob	Adds an immediate translation job from a stream containing the input file.
BatchGetSyncJobStatus	Get the status of a number of immediate translation jobs.
CancelJob	Marks a translation job as canceled.
ConvertBatch	Initiates the translation of a batch of translation items.
GetConfiguration	Returns information to the protocol client about the configuration of the protocol server.
GetGroups	Gets a translation job and the translation groups within the translation job.
GetId	Gets the unique identifier of a currently running instance of the protocol server.
GetItems	Gets the translation items in a translation group.
GetJobs	Gets a list of translation jobs.
GetJobStatus	Gets the status of a translation job.
GetSyncStreamOutputBytes	Retrieves the output file for the immediate translation job that was submitted with the **AddSyncStreamJob (**section 3.1.4.3) **WSDL operation.**
Ping	Contacts a protocol server to determine the responsiveness of the service.
SubmitJob	Marks a translation job as submitted to specify that all translation groups in a

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="tns5:AddGroupRequest"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response
" name="AddGroupResponse" message="tns5:AddGroupResponse"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/readOnlyFault"
name="ReadOnlyFaultFault"
message="tns5: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
AddGroupRequest	The request WSDL message for the **AddGroup** WSDL operation.
AddGroupResponse	The response WSDL message for the **AddGroup** WSDL operation.

3.1.4.1.1.1 AddGroupRequest

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

The **SOAP action** value is:

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

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

3.1.4.1.1.2 AddGroupResponse

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

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

3.1.4.1.2 Elements

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

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

3.1.4.1.2.1 AddGroupRequest

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

GroupId: A **GroupId** (section 2.2.3.1) 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="tns5:AddJobRequest"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response"
name="AddJobResponse" message="tns5:AddJobResponse"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/readOnlyFault"
name="ReadOnlyFaultFault"
message="tns5: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
AddJobRequest	The request WSDL message for the **AddJob** WSDL operation.
AddJobResponse	The response WSDL message for the **AddJob** WSDL operation.

3.1.4.2.1.1 AddJobRequest

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

The SOAP action value is:

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

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

3.1.4.2.1.2 AddJobResponse

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

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

3.1.4.2.2 Elements

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

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

3.1.4.2.2.1 AddJobRequest

The **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:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
      <xs:element minOccurs="0" name="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:q3="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response"
minOccurs="0" ref="q3:JobAdded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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

3.1.4.2.3 Complex Types

None.

3.1.4.2.4 Simple Types

None.

3.1.4.2.5 Attributes

None.

3.1.4.2.6 Groups

None.

3.1.4.2.7 Attribute Groups

None.

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

The protocol client sends an **AddSyncStreamJobRequest** request WSDL message to create an immediate translation job. If protocol client cannot send the entire input file in a single request, 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
AddSyncStreamJobRequest	The request WSDL message for the **AddSyncStreamJob** WSDL operation.
AddSyncStreamJobResponse	The response WSDL message for the **AddSyncStreamJob** WSDL operation.

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

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:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

FileOpenFormat: The **file extension** representing the file format of the input stream. This element MUST be one of the supported file extension values returned by the **Extensions** element of a **GetConfigurationResponse** (section 3.1.4.7.2.2).

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 **OuputStreamInBytes** 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="tns5: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="tns5:BatchGetSyncJobStatusResponse"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

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

The protocol server MUST respond with 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
BatchGetSyncJobStatusRequest	The request WSDL message for the **BatchGetSyncJobStatus** WSDL operation.
BatchGetSyncJobStatusResponse	The response WSDL message for the **BatchGetSyncJobStatus** WSDL operation.

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

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

JobIds: An array of **JobId** (section 2.2.3.2) 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:q4="http://schemas.datacontract.org/2004/07/System" minOccurs="0"
name="ErrorCodes" nillable="true" type="q4:ArrayOfNullableOfint"/>
      <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="JobIds" nillable="true" type="tns:ArrayOfunsignedLong"/>
        <xs:element minOccurs="0" name="MoreBytesToReceive" type="xs:boolean"/>
        <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="OutputStreamsInBytes" nillable="true" type="tns:ArrayOfbase64Binary"/>
    </xs: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
ArrayOfbase64Binary	An array of **base64Binary**.
ArrayOfNullableOfint	An array of nullable **int**.
ArrayOfunsignedLong	An array of **unsignedlong**.

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="tns5:CancelJobRequest"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/respons
e" name="CancelJobResponse" message="tns5: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="tns5: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
CancelJobRequest	The request WSDL message for the **CancelJob** WSDL operation.
CancelJobResponse	The response WSDL message for the **CancelJob** WSDL operation.

3.1.4.5.1.1 CancelJobRequest

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

The SOAP action value is:

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

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

3.1.4.5.1.2 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
CancelJobRequest	The input data for the **CancelJob** WSDL operation.
CancelJobResponse	The result data for the **CancelJob** WSDL operation.

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:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

JobId: A **JobId** (section 2.2.3.2) 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="tns5: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
ConvertBatchRequest	The request WSDL message for the **ConvertBatch** WSDL operation.

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

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

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

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

3.1.4.6.3 Complex Types

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

Complex type	Description
ArrayOfConvertBatchItem	Contains a set of **ConvertBatchItem** elements representing the translation items for which translation is being initiated.
ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ	Contains a dictionary of translation jobs to which the translation items belong.
ConvertBatchItem	Represents a single translation item.
ConvertBatchJob	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:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
  minOccurs="0" maxOccurs="unbounded" name="ConvertBatchItem" nillable="true"
  type="q1:ConvertBatchItem"/>
    </xs:sequence>
  </xs:complexType>
```

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

3.1.4.6.3.2   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:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="Value" nillable="true" type="q1:ConvertBatchJob"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

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

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

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

3.1.4.6.3.4   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="tns1:guid"/>
    <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
    <xs:element minOccurs="0" name="UserToken" nillable="true" type="xs:base64Binary"/>
  </xs:sequence>
</xs:complexType>
```

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

The protocol client sends a **GetConfigurationRequest** (section 3.1.4.7.1.1) 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
GetConfigurationRequest	The request WSDL message for the **GetConfiguration** WSDL operation.
GetConfigurationResponse	The response WSDL message for the **GetConfiguration** WSDL operation.

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

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

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="tns5:GetGroupsRequest"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/respons
e" name="GetGroupsResponse" message="tns5:GetGroupsResponse"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/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
GetGroupsRequest	The request WSDL message for the **GetGroups** WSDL operation.
GetGroupsResponse	The response WSDL message for the **GetGroups** WSDL operation.

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

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:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

JobId: A **JobId** (section 2.2.3.2) 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="tns2:ArrayOfGetGroupsGroup"/>
      <xs:element minOccurs="0" name="NotSubmitted" type="xs:boolean"/>
      <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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

3.1.4.8.3.1 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="tns2: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="tns5:GetIdRequest"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getId/response"
name="GetIdResponse" message="tns5:GetIdResponse"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

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

The protocol client sends a **GetIdRequest** (section 3.1.4.9.1.1) 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
GetIdRequest	The request WSDL message for the **GetId** WSDL operation.
GetIdResponse	The response WSDL message for the **GetId** WSDL operation.

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

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:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="Id" type="tns1:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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

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

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

The protocol client sends a **GetItemsRequest** (section 3.1.4.10.1.1) 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
GetItemsRequest	The request WSDL message for the **GetItems** WSDL operation.
GetItemsResponse	The response WSDL message for the **GetItems** WSDL operation.

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
GetItemsRequest	The input data for the **GetItems** WSDL operation.
GetItemsResponse	The result data for the **GetItems** WSDL operation.

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

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

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

GroupId: A **GroupId** (section 2.2.3.1) 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:tns3="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"
minOccurs="0" ref="tns3:Items"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

tns3:Items: The **ArrayOfGetItemsItem (**section 3.1.4.10.3.1) containing the translation items in the response. This element MUST NOT be null.

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

3.1.4.10.3.1 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="tns3:GetItemsItem"/>
  </xs:sequence>
</xs:complexType>
```

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

The protocol client sends a **GetJobsRequest** (section 3.1.4.11.1.1) 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
GetJobsRequest	The request WSDL message for the **GetJobs** WSDL operation.
GetJobsResponse	The response WSDL message for the **GetJobs** WSDL operation.

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

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:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      <xs:element minOccurs="0" name="SubmittedOnly" type="xs:boolean"/>
      <xs: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="tns4: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
ArrayOfGetJobsJob	Contains a set of **GetJobsJob** elements representing a set of translation jobs.
GetJobsJob	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="tns4: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="tns5:GetJobStatusRequest"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/resp
onse" name="GetJobStatusResponse" message="tns5:GetJobStatusResponse"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **GetJobStatusRequest** (section 3.1.4.12.1.1) 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
GetJobStatusRequest	The request WSDL message for the **GetJobStatus** WSDL operation.
GetJobStatusResponse	The response WSDL message for the **GetJobStatus** WSDL operation.

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
GetJobStatusRequest	The input data for the **GetJobStatus** WSDL operation.
GetJobStatusResponse	The result data for the **GetJobStatus** 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:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

JobId: A **JobId** (section 2.2.3.2) 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/getSyncStreamOutp
utBytes" name="GetSyncStreamOutputBytesRequest"
message="tns5:GetSyncStreamOutputBytesRequest"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutp
utBytes/response" name="GetSyncStreamOutputBytesResponse"
message="tns5:GetSyncStreamOutputBytesResponse"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **GetSyncStreamOutputBytesRequest** request WSDL message to retrieve the byte representation of the output file for the immediate translation job. If the output file is too large to send in a single request, 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
GetSyncStreamOutputBytesRequest	The request WSDL message for the **GetSyncStreamOutputBytes** WSDL operation.
GetSyncStreamOutputBytesResponse	The response WSDL message for the **GetSyncStreamOutputBytes** WSDL operation.

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

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>
```

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.

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

The protocol client sends a **PingRequest** (section 3.1.4.14.1.1) 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
PingRequest	The request WSDL message for the **Ping** WSDL operation.
PingResponse	The response WSDL message for the **Ping** WSDL operation.

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

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>
```

3.1.4.14.2.2 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="tns5:SubmitJobRequest"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/respons
e" name="SubmitJobResponse" message="tns5: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="tns5: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
SubmitJobRequest	The request WSDL message for the **SubmitJob** WSDL operation.
SubmitJobResponse	The response WSDL message for the **SubmitJob** WSDL operation.

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

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/translationJobSetting
s"
  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/translationJobSetting
s"
   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/translationJobSetting
s"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <FileOpenFormat>doc</FileOpenFormat>
  <InputStreamInBytes>TWFuIGlzIGRpc3Rp</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/translationJobSetting
s"
  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	2.2.3.5

6   Appendix A: Full WSDL

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

```xml
<?xml version="1.0" encoding="UTF-8"?>
<wsdl:definitions
xmlns:tns5="http://schemas.microsoft.com/office/server/translation/2010/11/service"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/service"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <xs:schema
xmlns:tns6="http://schemas.microsoft.com/office/server/translation/2010/11/service/Imports"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/service/Impor
ts">
      <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="tns5:PingRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/ping/response"
name="PingResponse" message="tns5:PingResponse"/>
    </wsdl:operation>
    <wsdl:operation name="CancelJob">
      <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob"
name="CancelJobRequest" message="tns5:CancelJobRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/respons
e" name="CancelJobResponse" message="tns5:CancelJobResponse"/>
      <wsdl:fault
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/readOnlyFault"
name="ReadOnlyFaultFault"
message="tns5: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="tns5:GetJobStatusRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/resp
onse" name="GetJobStatusResponse" message="tns5:GetJobStatusResponse"/>
    </wsdl:operation>
    <wsdl:operation name="BatchGetSyncJobStatus">
      <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus"
name="BatchGetSyncJobStatusRequest" message="tns5:BatchGetSyncJobStatusRequest"/>
      <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/
response" name="BatchGetSyncJobStatusResponse" message="tns5:BatchGetSyncJobStatusResponse"/>
    </wsdl:operation>
    <wsdl:operation name="AddSyncStreamJob">
```

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

```
      <wsdl:operation name="GetItems">
        <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
name="GetItemsRequest" message="tns5:GetItemsRequest"/>
        <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response
" name="GetItemsResponse" message="tns5:GetItemsResponse"/>
      </wsdl:operation>
      <wsdl:operation name="ConvertBatch">
        <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="ConvertBatchRequest" message="tns5:ConvertBatchRequest"/>
      </wsdl:operation>
      <wsdl:operation name="GetId">
        <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getId"
name="GetIdRequest" message="tns5:GetIdRequest"/>
        <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/getId/response"
name="GetIdResponse" message="tns5:GetIdResponse"/>
      </wsdl:operation>
      <wsdl:operation name="GetConfiguration">
        <wsdl:input
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration"
name="GetConfigurationRequest" message="tns5:GetConfigurationRequest"/>
        <wsdl:output
wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationR
esponse" name="GetConfigurationResponse" message="tns5:GetConfigurationResponse"/>
      </wsdl:operation>
    </wsdl:portType>
    <wsdl:binding name="DefaultBinding ITranslationServiceApplication"
type="tns5:ITranslationServiceApplication">
      <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
      <wsdl:operation name="Ping">
        <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/ping"
style="document"/>
        <wsdl:input name="PingRequest">
          <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output name="PingResponse">
          <soap:body use="literal"/>
        </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="CancelJob">
        <soap:operation
soapAction="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob"
style="document"/>
        <wsdl:input name="CancelJobRequest">
          <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output name="CancelJobResponse">
          <soap:body use="literal"/>
        </wsdl:output>
        <wsdl: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/getSyncStreamOutpu
tBytes" 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:q18="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup"
name="parameters" element="q18:AddGroupRequest"/>
    </wsdl:message>
    <wsdl:message name="AddGroupResponse">
      <wsdl:part
xmlns:q19="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response"
name="parameters" element="q19:AddGroupResponse"/>
    </wsdl:message>
    <wsdl:message name="AddJobRequest">
      <wsdl:part
xmlns:q17="http://schemas.microsoft.com/office/server/translation/2010/11/addJob"
name="parameters" element="q17:AddJobRequest"/>
    </wsdl:message>
    <wsdl:message name="AddJobResponse">
      <wsdl:part
xmlns:q17="http://schemas.microsoft.com/office/server/translation/2010/11/addJob"
name="parameters" element="q17:AddJobResponse"/>
    </wsdl:message>
    <wsdl:message name="AddSyncStreamJobRequest">
      <wsdl:part
xmlns:q13="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob"
name="parameters" element="q13:AddSyncStreamJobRequest"/>
    </wsdl:message>
    <wsdl:message name="AddSyncStreamJobResponse">
      <wsdl:part
xmlns:q14="http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/re
sponse" name="parameters" element="q14:AddSyncStreamJobResponse"/>
    </wsdl:message>
    <wsdl:message name="BatchGetSyncJobStatusRequest">
      <wsdl:part
xmlns:q11="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus"
name="parameters" element="q11:BatchGetSyncJobStatusRequest"/>
    </wsdl:message>
    <wsdl:message name="BatchGetSyncJobStatusResponse">
      <wsdl:part
xmlns:q12="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/re
sponse" name="parameters" element="q12:BatchGetSyncJobStatusResponse"/>
    </wsdl:message>
    <wsdl:message name="CancelJobRequest">
      <wsdl:part
xmlns:q7="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob"
name="parameters" element="q7:CancelJobRequest"/>
    </wsdl:message>
    <wsdl:message name="CancelJobResponse">
      <wsdl:part
xmlns:q8="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response"
name="parameters" element="q8:CancelJobResponse"/>
    </wsdl:message>
    <wsdl:message name="ConvertBatchRequest">
      <wsdl:part
xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="parameters" element="q1:ConvertBatchRequest"/>
    </wsdl:message>
    <wsdl:message name="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:q23="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups"
name="parameters" element="q23:GetGroupsRequest"/>
  </wsdl:message>
  <wsdl:message name="GetGroupsResponse">
    <wsdl:part
xmlns:tns2="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response
" name="parameters" element="tns2:GetGroupsResponse"/>
  </wsdl:message>
  <wsdl:message name="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:q24="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
name="parameters" element="q24:GetItemsRequest"/>
  </wsdl:message>
  <wsdl:message name="GetItemsResponse">
    <wsdl:part
xmlns:q24="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"
name="parameters" element="q24:GetItemsResponse"/>
  </wsdl:message>
  <wsdl:message name="GetJobsRequest">
    <wsdl:part
xmlns:q22="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs"
name="parameters" element="q22:GetJobsRequest"/>
  </wsdl:message>
  <wsdl:message name="GetJobsResponse">
    <wsdl:part
xmlns:tns4="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response"
name="parameters" element="tns4:GetJobsResponse"/>
  </wsdl:message>
  <wsdl:message name="GetJobStatusRequest">
    <wsdl:part
xmlns:q9="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus"
name="parameters" element="q9:GetJobStatusRequest"/>
  </wsdl:message>
  <wsdl:message name="GetJobStatusResponse">
    <wsdl:part
xmlns:q10="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/respon
se" name="parameters" element="q10:GetJobStatusResponse"/>
  </wsdl:message>
  <wsdl:message name="GetSyncStreamOutputBytesRequest">
    <wsdl:part
xmlns:q15="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutput
Bytes" name="parameters" element="q15:GetSyncStreamOutputBytesRequest"/>
  </wsdl:message>
  <wsdl:message name="GetSyncStreamOutputBytesResponse">
    <wsdl:part
xmlns:q16="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutput
Bytes/response" name="parameters" element="q16:GetSyncStreamOutputBytesResponse"/>
  </wsdl:message>
  <wsdl:message
name="ITranslationServiceApplication_AddGroup_ReadOnlyFaultFault_FaultMessage">
    <wsdl:part name="detail" element="tns5:ReadOnlyFault"/>
  </wsdl:message>
  <wsdl:message name="ITranslationServiceApplication_AddJob_ReadOnlyFaultFault_FaultMessage">
    <wsdl:part name="detail" element="tns5:ReadOnlyFault"/>
  </wsdl:message>
  <wsdl:message
name="ITranslationServiceApplication_CancelJob_ReadOnlyFaultFault_FaultMessage">
    <wsdl:part name="detail" element="tns5:ReadOnlyFault"/>
```

```
    </wsdl:message>
    <wsdl:message
name="ITranslationServiceApplication_SubmitJob_ReadOnlyFaultFault_FaultMessage">
      <wsdl:part name="detail" element="tns5:ReadOnlyFault"/>
    </wsdl:message>
    <wsdl:message name="PingRequest">
      <wsdl:part xmlns:q5="http://schemas.microsoft.com/office/server/translation/2010/11/ping"
name="parameters" element="q5:PingRequest"/>
    </wsdl:message>
    <wsdl:message name="PingResponse">
      <wsdl:part
xmlns:q6="http://schemas.microsoft.com/office/server/translation/2010/11/ping/response"
name="parameters" element="q6:PingResponse"/>
    </wsdl:message>
    <wsdl:message name="SubmitJobRequest">
      <wsdl:part
xmlns:q20="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob"
name="parameters" element="q20:SubmitJobRequest"/>
    </wsdl:message>
    <wsdl:message name="SubmitJobResponse">
      <wsdl:part
xmlns:q21="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response"
name="parameters" element="q21: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	tns	7.1
http://schemas.microsoft.com/2003/10/Serialization/	tns1	7.2
http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch	q1	7.3
http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration	q28	7.4
http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationResponse	q29	7.5
http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response	tns2	7.6
http://schemas.microsoft.com/office/server/translation/2010/11/getGroups	q23	7.7
http://schemas.microsoft.com/office/server/translation/2010/11/getId/response	q27	7.8
http://schemas.microsoft.com/office/server/translation/2010/11/getId	q26	7.9
http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response	tns3	7.10
http://schemas.microsoft.com/office/server/translation/2010/11/getItems	q24	7.11
http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response	tns4	7.12
http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response	q19	7.13
http://schemas.microsoft.com/office/server/translation/2010/11/getJobs	q22	7.14
http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/response	q10	7.15
http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus	q9	7.16
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/response	q12	7.17
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus	q11	7.18
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes/response	q16	7.19
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes	q15	7.20
http://schemas.microsoft.com/office/server/translation/2010/11/ping/response	q6	7.21

Schema name	Prefix	Section
http://schemas.microsoft.com/office/server/translation/2010/11/ping	q5	7.22
http://schemas.microsoft.com/office/server/translation/2010/11/service	tns5	7.23
http://schemas.microsoft.com/office/server/translation/2010/11/addGroup	q18	7.24
http://schemas.microsoft.com/office/server/translation/2010/11/submitJob /response	q21	7.25
http://schemas.microsoft.com/office/server/translation/2010/11/submitJob	q20	7.26
http://schemas.microsoft.com/office/server/translation/2010/11 /translationJobSettings	q2	7.27
http://schemas.datacontract.org/2004/07/System	q4	7.28
http://schemas.microsoft.com/office/server/translation/2010/11/addJob /response	q3	7.29
http://schemas.microsoft.com/office/server/translation/2010/11/addJob	q17	7.30
http://schemas.microsoft.com/office/server/translation/2010/11 /addSyncStreamJob/response	q14	7.31
http://schemas.microsoft.com/office/server/translation/2010/11 /addSyncStreamJob	q13	7.32
http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob /response	q8	7.33
http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob	q7	7.34

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

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

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

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
attributeFormDefault="qualified" elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="anyType" nillable="true" type="xs:anyType"/>
  <xs:element name="anyURI" nillable="true" type="xs:anyURI"/>
  <xs:element name="base64Binary" nillable="true" type="xs:base64Binary"/>
  <xs:element name="boolean" nillable="true" type="xs:boolean"/>
  <xs:element name="byte" nillable="true" type="xs:byte"/>
  <xs:element name="dateTime" nillable="true" type="xs:dateTime"/>
  <xs:element name="decimal" nillable="true" type="xs:decimal"/>
  <xs:element name="double" nillable="true" type="xs:double"/>
  <xs:element name="float" nillable="true" type="xs:float"/>
  <xs:element name="int" nillable="true" type="xs:int"/>
  <xs:element name="long" nillable="true" type="xs:long"/>
  <xs:element name="QName" nillable="true" type="xs:QName"/>
  <xs:element name="short" nillable="true" type="xs:short"/>
  <xs:element name="string" nillable="true" type="xs:string"/>
  <xs:element name="unsignedByte" nillable="true" type="xs:unsignedByte"/>
  <xs:element name="unsignedInt" nillable="true" type="xs:unsignedInt"/>
  <xs:element name="unsignedLong" nillable="true" type="xs:unsignedLong"/>
  <xs:element name="unsignedShort" nillable="true" type="xs:unsignedShort"/>
  <xs:element name="char" nillable="true" type="tns1:char"/>
  <xs:simpleType name="char">
    <xs:restriction base="xs:int"/>
  </xs:simpleType>
  <xs:element name="duration" nillable="true" type="tns1:duration"/>
  <xs:simpleType name="duration">
    <xs:restriction base="xs:duration">
      <xs:pattern value="\-?P(\d*D)?(T(\d*H)?(\d*M)?(\d*(\.\d*)?S)?)?"/>
      <xs:minInclusive value="-P10675199DT2H48M5.4775808S"/>
      <xs:maxInclusive value="P10675199DT2H48M5.4775807S"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:element name="guid" nillable="true" type="tns1:guid"/>
  <xs:simpleType name="guid">
    <xs:restriction base="xs:string">
      <xs:pattern value="[\da-fA-F]{8}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-
F]{12}"/>
    </xs:restriction>
```

```
      </xs:simpleType>
      <xs:attribute name="FactoryType" type="xs:QName"/>
      <xs:attribute name="Id" type="xs:ID"/>
      <xs:attribute name="Ref" type="xs:IDREF"/>
  </xs:schema>
```

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

```
<?xml version="1.0" 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:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

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

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="ConvertBatchRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element
xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
minOccurs="0" name="Items" nillable="true" type="q1:ArrayOfConvertBatchItem"/>
        <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="Jobs" nillable="true"
type="tns:ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:complexType name="ArrayOfConvertBatchItem">
    <xs:sequence>
```

```
        <xs:element
xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
minOccurs="0" maxOccurs="unbounded" name="ConvertBatchItem" nillable="true"
type="q1:ConvertBatchItem"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element
xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="ArrayOfConvertBatchItem" nillable="true" type="q1:ArrayOfConvertBatchItem"/>
    <xs:complexType name="ConvertBatchItem">
      <xs:sequence>
        <xs:element minOccurs="0" name="GroupId" type="xs:short"/>
        <xs:element minOccurs="0" name="InputFile" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="InputWebUrl" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="ItemId" type="xs:int"/>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
        <xs:element minOccurs="0" name="OutputFile" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="OutputWebUrl" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element
xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="ConvertBatchItem" nillable="true" type="q1:ConvertBatchItem"/>
    <xs:complexType name="ConvertBatchJob">
      <xs:sequence>
        <xs:element minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
        <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
        <xs:element minOccurs="0" name="UserToken" nillable="true" type="xs:base64Binary"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element
xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="ConvertBatchJob" nillable="true" type="q1:ConvertBatchJob"/>
    <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:schema>
```

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

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

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurat
ionResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
```

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

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

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema
xmlns:tns2="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response
" elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/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="tns2:ArrayOfGetGroupsGroup"/>
        <xs:element minOccurs="0" name="NotSubmitted" type="xs:boolean"/>
        <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:complexType name="ArrayOfGetGroupsGroup">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="GetGroupsGroup" nillable="true"
type="tns2:GetGroupsGroup"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfGetGroupsGroup" nillable="true"
type="tns2:ArrayOfGetGroupsGroup"/>
  <xs:complexType name="GetGroupsGroup">
    <xs:sequence>
      <xs:element minOccurs="0" name="Id" type="xs:short"/>
      <xs:element minOccurs="0" name="InputRoot" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="OutputRoot" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="GetGroupsGroup" nillable="true" type="tns2:GetGroupsGroup"/>
</xs:schema>
```

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

```xml
<?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:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

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

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getId/respons
e" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/"/>
  <xs:element name="GetIdResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="AssignedItemCount" type="xs:int"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="Id" type="tns1:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

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

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

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

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

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/resp
onse" 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:element name="GetItemsRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="Canceled" type="xs:boolean"/>
        <xs:element minOccurs="0" name="Failed" type="xs:boolean"/>
        <xs:element minOccurs="0" name="GroupId" type="xs:short"/>
        <xs:element minOccurs="0" name="InProgress" type="xs:boolean"/>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
        <xs:element minOccurs="0" name="NotStarted" type="xs:boolean"/>
        <xs:element minOccurs="0" name="NotSubmitted" type="xs:boolean"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
        <xs:element minOccurs="0" name="Succeeded" type="xs:boolean"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetItemsResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element
xmlns:tns3="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"
minOccurs="0" ref="tns3:Items"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/"/>
```

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

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

```
<?xml version="1.0" 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:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
        <xs:element minOccurs="0" name="SubmittedOnly" type="xs:boolean"/>
        <xs: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/response Schema

```xml
<?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
<?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:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

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

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobSta
tus/response" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="BatchGetSyncJobStatusResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q4="http://schemas.datacontract.org/2004/07/System" minOccurs="0"
name="ErrorCodes" nillable="true" type="q4:ArrayOfNullableOfint"/>
        <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="JobIds" nillable="true" type="tns:ArrayOfunsignedLong"/>
        <xs:element minOccurs="0" name="MoreBytesToReceive" type="xs:boolean"/>
        <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="OutputStreamsInBytes" nillable="true" type="tns:ArrayOfbase64Binary"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:import namespace="http://schemas.datacontract.org/2004/07/System"/>
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
```

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

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

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStream
OutputBytes/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/getSyncStream
OutputBytes" 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:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="Items" nillable="true" type="tns:ArrayOfstring"/>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
        <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="OutputItems" nillable="true" type="tns:ArrayOfstring"/>
        <xs:element minOccurs="0" name="OutputRoot" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

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

```
<?xml version="1.0" 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:tns5="http://schemas.microsoft.com/office/server/translation/2010/11/service"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/service"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType name="ReadOnlyFault">
```

```
      <xs:sequence/>
    </xs:complexType>
    <xs:element name="ReadOnlyFault" nillable="true" type="tns5:ReadOnlyFault"/>
    <xs:simpleType name="SaveBehavior">
      <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>
    <xs:element name="SaveBehavior" nillable="true" type="tns5: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:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" 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:tns5="http://schemas.microsoft.com/office/server/translation/2010/11/service"
minOccurs="0" name="OutputSaveBehavior" type="tns5:SaveBehavior"/>
      <xs:element minOccurs="0" name="TargetLanguage" nillable="true" type="xs:string"/>
    </xs:sequence>
```

```
      </xs:complexType>
    <xs:element name="TranslationJobSettings" nillable="true"
type="q2:TranslationJobSettings"/>
</xs:schema>
```

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

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:q4="http://schemas.datacontract.org/2004/07/System"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/System"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType name="ArrayOfNullableOfint">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="int" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfNullableOfint" nillable="true" type="q4:ArrayOfNullableOfint"/>
</xs:schema>
```

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

```
<?xml version="1.0" 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:element name="AddJobRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="ItemCount" type="xs:int"/>
        <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
        <xs:element minOccurs="0" name="Name" nillable="true" type="xs:string"/>
        <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
        <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
        <xs:element minOccurs="0" name="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:q3="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response"
minOccurs="0" ref="q3:JobAdded"/>
      </xs:sequence>
    </xs:complexType>
```

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

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

8 Appendix C: Product Behavior

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

- Microsoft SharePoint Server 2013

- Microsoft SharePoint Server 2016 Preview

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

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

<1> Section 3.1.4.7.2.2: 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 New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

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

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

- The removal of a document from the documentation set.

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

The revision class **Editorial** means that the formatting in the technical content was changed. Editorial changes apply to grammatical, formatting, and style issues.

The revision class **No change** means that no new technical changes were introduced. Minor editorial and formatting changes may have been made, but the technical content of the document is identical to the last released version.

Major and minor changes can be described further using the following change types:

- New content added.

- Content updated.

- Content removed.

- New product behavior note added.

- Product behavior note updated.

- Product behavior note removed.

- New protocol syntax added.

- Protocol syntax updated.

- Protocol syntax removed.

- New content added due to protocol revision.

- Content updated due to protocol revision.

- Content removed due to protocol revision.

- New protocol syntax added due to protocol revision.

- Protocol syntax updated due to protocol revision.

- Protocol syntax removed due to protocol revision.

- Obsolete document removed.

Editorial changes are always classified with the change type **Editorially updated**.

Some important terms used in the change type descriptions are defined as follows:

- **Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.

- **Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

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

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
8 Appendix C: Product Behavior	Updated list of supported products.	Y	Content updated due to protocol revision.

10 Index