

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

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Revision Summary

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Preliminary

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 RFC 2119. Sections 1.5 and 1.9 are also normative but cannot contain those terms. All other sections and examples in this specification are informative.

1.1 Glossary

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

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

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

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

The following terms are specific to this document:

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

1.2 References

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

1.2.1 Normative References

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

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

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

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

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

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

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

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

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

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

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

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

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

1.2.2 Informative References

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

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

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

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

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

1.3 Overview

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

1.4 Relationship to Other Protocols

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

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

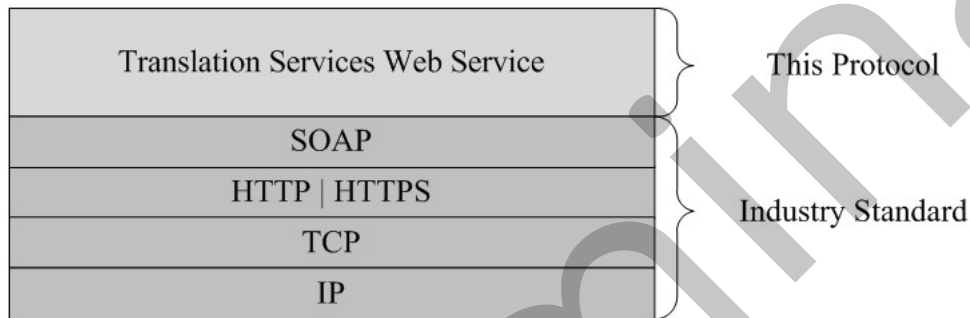


Figure 1: This protocol in relation to underlying messaging and transport stack protocols

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

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

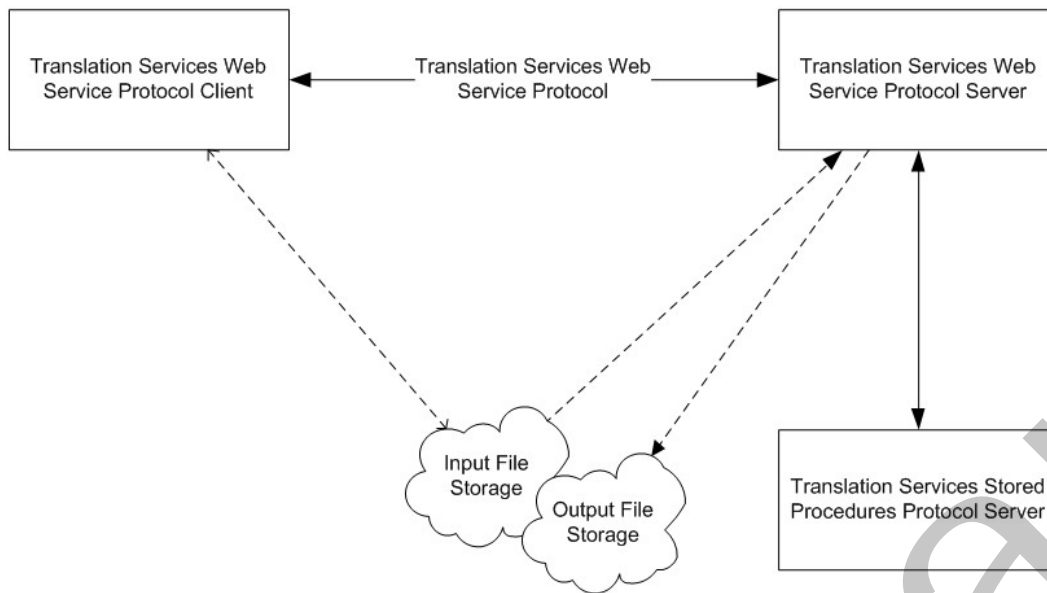


Figure 2: The relationship between this protocol and the Translation Services Stored Procedures protocol

1.5 Prerequisites/Preconditions

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

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

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

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

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

1.6 Applicability Statement

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

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

- Creates translation jobs.

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

1.7 Versioning and Capability Negotiation

This document covers versioning issues in the following areas:

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

Capability Negotiation: This protocol does not support version negotiation.

1.8 Vendor-Extensible Fields

None.

1.9 Standards Assignments

None.

2 Messages

In the following sections, the schema definition might be less restrictive than the processing rules imposed by the protocol. The WSDL in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL specifies additional restrictions that reflect actual Microsoft product behavior. For example, the schema definition might allow for an element to be empty, null, or not present but the behavior of the protocol as specified restricts the same elements to being non-empty, not null and present.

2.1 Transport

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

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

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

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

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

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

2.2 Common Message Syntax

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

2.2.1 Namespaces

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

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

Prefi x	Namespace URI	Reference
q13	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob	
q14	http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/ response	
q15	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutp utBytes	
q16	http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutp utBytes/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/translationJobSettin gs	
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/GetConfigurationRe sponse	
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/	

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

2.2.2 Messages

This specification does not define any common WSDL message definitions.

2.2.3 Elements

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

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

2.2.3.1 TranslationJobSettings

The **TranslationJobSettings** element is a **TranslationJobSettings** (section [2.2.4.2](#)) value that specifies a collection of preferred settings for all translation items within a translation job.

```
<xs:element minOccurs="0" name="Settings" nillable="true"
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings" type="q2:TranslationJobSettings"/>
```

2.2.3.2 GroupId

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

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

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

2.2.3.3 JobId

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

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

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

2.2.3.4 PartitionId

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

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

2.2.3.5 UserToken

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

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

2.2.4 Complex Types

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

Complex Type	Description
ArrayOfstring	The ArrayOfstring complex type represents an array of arbitrary string values.

Complex Type	Description
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="\{8\}-\{4\}-\{4\}-\{4\}-\{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 **SaveBehavior**.

Value	Meaning
AppendIfPossible	If the output file location supports version history, append to the file's version history. If the output file location does not support version history, overwrite the existing file.

Value	Meaning
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

In the following sections, the schema definition might be less restrictive than the processing rules imposed by the protocol. The WSDL in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL specifies additional restrictions that reflect actual Microsoft product behavior. For example, the schema definition might allow for an element to be empty, null, or not present but the behavior of the protocol as specified restricts the same elements to being non-empty, not null and present.

The client side of this protocol is simply a pass-through. That is, no additional timers or other state is required on the client side of this protocol. Calls that are made by the higher-layer protocol or application are passed directly to the transport, and the results that are returned by the transport are passed directly to the higher-layer protocol or application.

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

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

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

3.1 Translation Server Details

3.1.1 Abstract Data Model

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

This protocol uses the following three basic data structures:

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

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

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

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

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

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

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

3.1.2 Timers

None.

3.1.3 Initialization

None.

3.1.4 Message Processing Events and Sequencing Rules

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

Operation	Description
AddGroup	Adds a group of translation items to a translation job.
AddJob	Adds a new translation job to the queue.
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.

Operation	Description
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 translation job have been added.

3.1.4.1 AddGroup

Adds a group of translation items to a translation job.

```
<wsdl:operation name="AddGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup"
    name="AddGroupRequest" message="tns5:AddGroupRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response"
    name="AddGroupResponse" message="tns5:AddGroupResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl: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 call the **proc_AddGroup** stored procedure, as specified in [\[MS-TSSPROC\]](#) section 3.1.5.1. The following table specifies the parameter values for the stored procedure.

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

Parameter	Value
	<p>The following pseudocode specifies how to create the XML from the Items element:</p> <pre> WRITE START ELEMENT 'group' FOR TranslationItem = 0 TO COUNT(AddGroupRequest.Items) WRITE START ELEMENT 'item' WITH WITH ATTRIBUTES 'id' = TranslationItem + 1 'in' = AddGroupRequest.Items[TranslationItem] 'out' = AddGroupRequest.OutputItems[TranslationItem] WRITE END ELEMENT 'item' ENDFOR WRITE END ELEMENT 'group' </pre>

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

3.1.4.1.1 Messages

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

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

3.1.4.1.1.1 AddGroupRequest

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

The **SOAP action** value is:

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

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

3.1.4.1.1.2 AddGroupResponse

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

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

3.1.4.1.2 Elements

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

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

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

3.1.4.1.2.1 AddGroupRequest

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

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

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

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

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

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

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

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

3.1.4.1.2.2 AddGroupResponse

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

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

3.1.4.1.3 Complex Types

None.

3.1.4.1.4 Simple Types

None.

3.1.4.1.5 Attributes

None.

3.1.4.1.6 Groups

None.

3.1.4.1.7 Attribute Groups

None.

3.1.4.2 AddJob

Adds a new translation job to the queue.

```
<wsdl:operation name="AddJob" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addJob"
    name="AddJobRequest" message="tns5:AddJobRequest"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response"
    name="AddJobResponse" message="tns5:AddJobResponse"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://schemas.microsoft.com/office/server/translation/2010/11/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 call the **proc_AddJob** stored procedure, as specified in [\[MS-TSSPROC\]](#) section 3.1.5.2. The following table specifies the parameter values for the stored procedure.

Parameter	Value
@JobId	This MUST be the translation job identifier specified by the JobId element.
@Name	This MUST be the string value specified by the Name element.
@UserId	This MUST be the string value specified by the UserName element.
@UserToken	This MUST be the binary value specified by the UserToken element.

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

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

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

3.1.4.2.1 Messages

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

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

3.1.4.2.1.1 AddJobRequest

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

The SOAP action value is:

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

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

3.1.4.2.1.2 AddJobResponse

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

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

3.1.4.2.2 Elements

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

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

3.1.4.2.2.1 AddJobRequest

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

```
<xs:element name="AddJobRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ItemCount" type="xs:int"/>
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
      <xs:element minOccurs="0" name="Name" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid"/>
      <xs:element
xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettin
gs" minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings"/>
      <xs:element minOccurs="0" name="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 [2.2.3.3](#)) element containing a new, unique value generated by the protocol client that identifies the translation job. This element MUST NOT be null.

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

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

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

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.

3.1.4.2.2.2 AddJobResponse

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

```

<xs:element name="AddJobResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element
        xmlns:q3="http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response"
        minOccurs="0" ref="q3:JobAdded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

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

3.1.4.2.3 Complex Types

None.

3.1.4.2.4 Simple Types

None.

3.1.4.2.5 Attributes

None.

3.1.4.2.6 Groups

None.

3.1.4.2.7 Attribute Groups

None.

3.1.4.3 AddSyncStreamJob

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

```

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

```

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

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

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

```

    <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/translationJobSettings"
      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 [2.2.3.3](#)) element identifying the immediate translation job. This element MUST NOT be null.

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

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

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

3.1.4.3.2.2 AddSyncStreamJobResponse

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

```

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

```

ErrorCode: An integer value specifying the error code of a failed immediate translation job. If the immediate translation job succeeded, this element MUST be null. If the immediate translation job failed, this element MUST NOT be null or 0. If the immediate translation job is in progress, this element MUST be 0, and the protocol client MUST use **BatchGetSyncJobStatus** (section [3.1.4.4](#)) to get the final result of the translation.

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

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

If **ErrorCode** is null and **OutputStreamInBytes** is null, then the protocol client MUST get the output file with the **GetSyncStreamOutputBytes** (section [3.1.4.13](#)) WSDL operation.

3.1.4.3.3 Complex Types

None.

3.1.4.3.4 Simple Types

None.

3.1.4.3.5 Attributes

None.

3.1.4.3.6 Groups

None.

3.1.4.3.7 Attribute Groups

None.

3.1.4.4 BatchGetSyncJobStatus

Get the status of a number of immediate translation jobs.

```
<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 an **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 input data for the **BatchGetSyncJobStatus** WSDL operation.

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

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

3.1.4.4.2.2 BatchGetSyncJobStatusResponse

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

```
<xs:element name="BatchGetSyncJobStatusResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">  
  <xs:complexType>  
    <xs:sequence>  
      <xs:element xmlns:q4="http://schemas.datacontract.org/2004/07/System" minOccurs="0"  
name="ErrorCodes" nillable="true" type="q4:ArrayOfNullableOfint"/>  
      <xs:element 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: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 2.2.3.3). 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
ArrayOfunsignedLong	An array of unsignedlong .
ArrayOfNullableOfint	An array of nullable int .
ArrayOfbase64Binary	An array of base64Binary .

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.

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

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

The protocol server MUST respond with a **CancelJobResponse** (section [3.1.4.5.1.2](#)) 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 input data for the **CancelJob** WSDL operation.

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

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

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

3.1.4.5.2.2 CancelJobResponse

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

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

3.1.4.5.3 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.

```
<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.

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

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

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

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

Parameter	Value
@ErrorCode	Specifies the error code of the failure. This value MUST NOT be null.

The translation process is asynchronous. There is no response message for the **ConvertBatch** WSDL operation. Clients can query the status of the translation job using the **GetJobStatus** WSDL operation as specified in section [3.1.4.12](#).

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 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.
ConvertBatchItem	Represents a single translation item.
ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ	Contains a dictionary of translation jobs to which the translation items belong.
ConvertBatchJob	Represents a single translation job to which one or more translation items belong.

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

```

<xs:element minOccurs="0" name="ItemId" type="xs:int"/>
<xs:element minOccurs="0" name="JobId" type="xs:unsignedLong"/>
<xs:element minOccurs="0" name="OutputFile" nillable="true" type="xs:string"/>
<xs:element minOccurs="0" name="OutputWebUrl" nillable="true" type="xs:string"/>
</xs:sequence>
</xs:complexType>

```

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

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

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

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

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

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

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

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

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

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

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

3.1.4.6.4 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.

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

```
<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/response"
    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 call the **proc_GetGroups** stored procedure, as specified in [\[MS-TSSPROC\]](#) section 3.1.5.7. The following table specifies the parameter values for the stored procedure.

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

The protocol server MUST respond with a **GetGroupsResponse** (section [3.1.4.8.1.2](#)) response WSDL message based on the result set returned by **proc_GetGroups** ([\[MS-TSSPROC\]](#) section 3.1.5.7) stored procedure. The protocol server MUST write a **GetGroupsGroup** element as a child of the **Groups** element for each row in the **proc_GetGroups.ResultSet0** ([\[MS-TSSPROC\]](#) section 2.2.4.3) result set. The following table specifies how each column value in a row is represented in the **GetGroupsResponse** (section [3.1.4.8.1.2](#)) response WSDL message.

Column	Value
GroupId	This value MUST be represented by the Id child element of the GetGroupsGroup element for the translation group.

Column	Value
InputRoot	This value MUST be represented by the InputRoot child element of the GetGroupsGroup element for the translation group.
OutputRoot	This value MUST be represented by the OutputRoot child element of the GetGroupsGroup element for the translation group.
CreateTime	If this row is the first row in the result set, this value MUST be represented by the CreateTime element of the GetGroupsResponse (section 3.1.4.8.1.2) response WSDL message. For all other rows, this value MUST be ignored.
CancelTime	If this row is the first row in the result set, this value MUST be represented by the CancelTime element of the GetGroupsResponse (section 3.1.4.8.1.2) response WSDL message. For all other rows, this value MUST be ignored.
Submitted	If this row is the first row in the result set, the inverse of this value MUST be represented by the NotSubmitted element of the GetGroupsResponse (section 3.1.4.8.1.2) response WSDL message. For all other rows, this value MUST be ignored.
Settings	If this row is the last row in the result set, the TranslationJobSettings (section 2.2.4.2) element containing the preferred settings MUST be represented by the Settings element of the GetGroupsResponse (section 3.1.4.8.1.2) response WSDL message. For all other rows, this value MUST be ignored.

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

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

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

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

3.1.4.8.2.2 GetGroupsResponse

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

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

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

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

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

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

Settings: A **TranslationJobSettings** (section [2.2.4.2](#)) 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 base input path of all translation items in the translation group.

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

3.1.4.8.4 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.

```
<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 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 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.

```

<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 translation items within a translation group.

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

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

The protocol server MUST respond with a **GetItemsResponse** (section [3.1.4.10.1.2](#)) response WSDL message based on the result set returned by **proc_GetItems** ([\[MS-TSSPROC\]](#) section 3.1.5.9) stored procedure. The protocol server MUST write a **GetItemsItem** element as a child of the **Items** element for each row in the **proc_GetItems.ResultSet0** ([\[MS-TSSPROC\]](#) section 2.2.4.4) result set. The following table specifies how each column value in a row is represented in the **GetItemsResponse** (section [3.1.4.10.1.2](#)) response WSDL message.

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

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

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

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

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

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

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

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

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

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

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

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

3.1.4.10.2 GetItemsResponse

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

```
<xs:element name="GetItemsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element
        xmlns:tns3="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"
        minOccurs="0" ref="tns3:Items"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

tns3:Items: The **ArrayOfGetItemsItem** (section [3.1.4.10.3.1](#)) 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 input path of the translation item relative to the translation group's input root. This element **MUST NOT** be null.

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

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

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

3.1.4.10.4 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.

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

Parameter	Value
@PartitionId	MUST be the partition (1) identifier specified by the PartitionId element.
@UserId	MUST be the value specified by the UserName element.
@ActiveOnly	MUST be the value specified by the ActiveOnly element.
@SubmittedOnly	MUST be the value specified by the SubmittedOnly element.

The protocol server MUST respond with a **GetJobsResponse** (section [3.1.4.11.1.2](#)) response WSDL message based on the result set returned by the **proc_GetJobs** ([\[MS-TSSPROC\]](#) section 3.1.5.10) stored procedure. The protocol server MUST write a **GetJobsJob** element as a child of the **Jobs** element for each row in the **proc_GetJobs.ResultSet0** ([\[MS-TSSPROC\]](#) section 2.2.4.5) result set. The following table specifies how each column value in a row is represented in the **GetJobsResponse** (section [3.1.4.11.1.2](#)) response WSDL message.

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

Column	Value
	translation job.

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 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>
```

```

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

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

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 GetJobsResponse

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

```

<xs:element name="GetJobsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="Jobs" nillable="true" type="tns: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 [2.2.3.3](#)) element that identifies the translation job. This element **MUST NOT** be null.

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

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

3.1.4.11.4 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.

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

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

The protocol server MUST respond with a **GetJobStatusResponse** (section [3.1.4.12.1.2](#)) response WSDL message based on the first row of the **proc_GetJobStatus.ResultSet0** ([\[MS-TSSPROC\]](#) section 2.2.4.6) result set. The protocol server MUST ignore all rows in the result set after the first row. The following table specifies how each column value in the first row is represented in the **GetJobStatusResponse** (section [3.1.4.12.1.2](#)) response WSDL message.

Column	Value
Total	MUST be represented by the Count element of the GetJobStatusResponse (section 3.1.4.12.1.2) response WSDL message.
NotSubmitted	MUST be represented by the NotSubmitted element of the GetJobStatusResponse (section 3.1.4.12.1.2) response WSDL message.
NotStarted	MUST be represented by the NotStarted element of the GetJobStatusResponse (section 3.1.4.12.1.2) response WSDL message.
InProgress	MUST be represented by the InProgress element of the GetJobStatusResponse (section 3.1.4.12.1.2) response WSDL message.
Succeeded	MUST be represented by the Succeeded element of the GetJobStatusResponse (section 3.1.4.12.1.2) response WSDL message.
Failed	MUST be represented by the Failed element of the GetJobStatusResponse (section 3.1.4.12.1.2) response WSDL message.
Canceled	MUST be represented by the Canceled element of the GetJobStatusResponse (section 3.1.4.12.1.2) response WSDL message.

Column	Value
Name	This value MUST be represented by the Name element of the 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 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>
```

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

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

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

3.1.4.12.2.2 GetJobStatusResponse

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

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

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.

```
<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, due to a message size limit, the protocol client MUST send multiple requests with the same **JobId** to retrieve the entire file.

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

3.1.4.13.1 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

Message	Description
	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 input data for the **GetSyncStreamOutputBytes** WSDL operation.

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

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

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

3.1.4.13.2.2 GetSyncStreamOutputBytesResponse

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

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

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

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

3.1.4.13.3 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.

```
<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 increment a counter and 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 input data for the **Ping** WSDL operation.

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

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

3.1.4.14.2 PingResponse

The 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.

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

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

The protocol server MUST respond with a **SubmitJobResponse** (section [3.1.4.15.1.2](#)) 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 input data for the **SubmitJob** WSDL operation.

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

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

3.1.4.15.2.2 SubmitJobResponse

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

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

3.1.4.15.3 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.

Preliminary

4 Protocol Examples

4.1 Creating a translation job

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

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

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

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

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

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

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

4.1.1 Adding the job

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

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



```

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

```

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

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

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

```

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

```

4.1.2 Adding the first group

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

```

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

```

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

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

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

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

```

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

```

4.1.3 Adding the second group

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

```

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

```

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

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

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

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

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

4.1.4 Submitting the job

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

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

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

Parameter	Value
@JobId	1118198185349178816

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

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

4.2 Getting the status of a translation job

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

4.2.1 Getting the job

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

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

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

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

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

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

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

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

4.2.2 Getting the job status

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

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

```

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

```

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

Parameter	Value
@JobId	1118198185349178816
@PartitionId	NULL

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

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

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

```

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

```

4.2.3 Getting the groups

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

```

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

```

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

Parameter	Value
@JobId	1118198185349178816

Parameter	Value
@PartitionId	NULL

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

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

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

```

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

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

```

```

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

```

4.2.4 Getting the items in the first group

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

```

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

```

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

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

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

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

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

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

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

```

    </Items>
</GetItemsResponse>

```

4.2.5 Getting the items in the second group

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

```

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

```

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

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

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

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

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

```

<GetItemsResponse

```

```

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

```

4.3 Creating immediate translation jobs

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

The client will create two immediate translation jobs:

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

4.3.1 Adding a job

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

```

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

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

```

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

```
<AddSyncJobResponse
```

```

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

```

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

4.3.2 Adding a streaming job

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

```

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

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

```

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

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

```

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

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

```

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

```

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

```

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

4.3.3 Getting the job status

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

```

<BatchGetSyncJobStatusRequest

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

```

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

```

<BatchGetSyncJobStatusResponse

xmlns="http://schemas.microsoft.com/office/server/translation/2010/11/batchGetSyncJobStatus"
xmlns:b="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

  <ErrorCodes>
    <b:NullableOfint i:nil="nil" />
    <b:NullableOfint i:nil="nil" />
  </ErrorCodes>
  <JobIds>
    <b:unsignedLong>1118198185349178816</b:unsignedLong>
    <b:unsignedLong>1118198185349178817</b:unsignedLong>
  </JobIds>

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

```

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

4.3.4 Completing downloading of the streaming job

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

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

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

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

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

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

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

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

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

5 Security

5.1 Security Considerations for Implementers

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

5.2 Index of Security Parameters

Security Parameter	Section
UserToken	2.2.3.5

6 Appendix A: Full WSDL

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

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



```

    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response"/
>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response"
/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response"
/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getItems"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response"/
>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getId"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/getId/response"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration"/>
    <xs:import
namespace="http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationRes
ponse"/>
</xs:schema>
</wsdl:types>
<wsdl:message name="PingRequest">
  <wsdl:part xmlns:q5="http://schemas.microsoft.com/office/server/translation/2010/11/ping"
name="parameters" element="q5:PingRequest"/>
</wsdl:message>
<wsdl:message name="PingResponse">
  <wsdl:part
xmlns:q6="http://schemas.microsoft.com/office/server/translation/2010/11/ping/response"
name="parameters" element="q6:PingResponse"/>
</wsdl:message>
<wsdl:message name="CancelJobRequest">
  <wsdl:part
xmlns:q7="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob"
name="parameters" element="q7:CancelJobRequest"/>
</wsdl:message>
<wsdl:message name="CancelJobResponse">
  <wsdl:part
xmlns:q8="http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response"
name="parameters" element="q8:CancelJobResponse"/>
</wsdl:message>
<wsdl:message name="GetJobStatusRequest">
  <wsdl:part
xmlns:q9="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus"
name="parameters" element="q9:GetJobStatusRequest"/>
</wsdl:message>
<wsdl:message name="GetJobStatusResponse">

```

```

    <wsdl:part
xmlns:q10="http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/respon
se" name="parameters" element="q10:GetJobStatusResponse"/>
    </wsdl:message>
    <wsdl:message name="BatchGetSyncJobStatusRequest">
    <wsdl:part
xmlns:q11="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus"
name="parameters" element="q11:BatchGetSyncJobStatusRequest"/>
    </wsdl:message>
    <wsdl:message name="BatchGetSyncJobStatusResponse">
    <wsdl:part
xmlns:q12="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/re
sponse" name="parameters" element="q12:BatchGetSyncJobStatusResponse"/>
    </wsdl:message>
    <wsdl:message name="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="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="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="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="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: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="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="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="ConvertBatchRequest">
    <wsdl:part
xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
name="parameters" element="q1:ConvertBatchRequest"/>
  </wsdl:message>
  <wsdl:message name="GetIdRequest">
    <wsdl:part
xmlns: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="ITranslationServiceApplication_CancelJob_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_AddGroup_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="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: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/getSyncStreamOutput
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:operation>

```

```

        </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:definitions>
```

7 Appendix B: Full XML Schema

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

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

Schema name	Prefix	Section
http://schemas.microsoft.com/2003/10/Serialization/Arrays	tns	7.1
http://schemas.microsoft.com/2003/10/Serialization/	tns1	7.2
http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch	q1	7.5
http://schemas.microsoft.com/office/server/translation/2010/11/GetConfiguration	q28	7.6
http://schemas.microsoft.com/office/server/translation/2010/11/GetConfigurationResponse	q29	7.7
http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response	tns2	7.8
http://schemas.microsoft.com/office/server/translation/2010/11/getGroups	q23	7.9
http://schemas.microsoft.com/office/server/translation/2010/11/getId/response	q27	7.10
http://schemas.microsoft.com/office/server/translation/2010/11/getId	q26	7.11
http://schemas.microsoft.com/office/server/translation/2010/11/getItems/response	tns3	7.12
http://schemas.microsoft.com/office/server/translation/2010/11/getItems	q24	7.14
http://schemas.microsoft.com/office/server/translation/2010/11/getJobs/response	tns4	7.15
http://schemas.microsoft.com/office/server/translation/2010/11/addGroup/response	q19	7.13
http://schemas.microsoft.com/office/server/translation/2010/11/getJobs	q22	7.16
http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus/response	q10	7.17
http://schemas.microsoft.com/office/server/translation/2010/11/getJobStatus	q9	7.18
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/response	q12	7.19
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus	q11	7.20
http://schemas.microsoft.com/office/server/translation/2010/11	q16	7.21

Schema name	Prefix	Section
/getSyncStreamOutputBytes/response		
http://schemas.microsoft.com/office/server/translation/2010/11/getSyncStreamOutputBytes	q15	7.22
http://schemas.microsoft.com/office/server/translation/2010/11/ping/response	q6	7.23
http://schemas.microsoft.com/office/server/translation/2010/11/ping	q5	7.25
http://schemas.microsoft.com/office/server/translation/2010/11/service	tns5	7.26
http://schemas.microsoft.com/office/server/translation/2010/11/addGroup	q18	7.24
http://schemas.microsoft.com/office/server/translation/2010/11/submitJob/response	q21	7.27
http://schemas.microsoft.com/office/server/translation/2010/11/submitJob	q20	7.28
http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings	q2	7.29
http://schemas.datacontract.org/2004/07/System	q4	7.30
http://schemas.microsoft.com/office/server/translation/2010/11/addJob/response	q3	7.31
http://schemas.microsoft.com/office/server/translation/2010/11/addJob	q17	7.32
http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob/response	q14	7.33
http://schemas.microsoft.com/office/server/translation/2010/11/addSyncStreamJob	q13	7.34
http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob/response	q8	7.3
http://schemas.microsoft.com/office/server/translation/2010/11/cancelJob	q7	7.4

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

```

<?xml version="1.0"?>
<xs:schema xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
  elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import
    namespace="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"/>
  <xs:complexType name="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"?>
<xs:schema xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
attributeFormDefault="qualified" elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="anyType" nillable="true" type="xs:anyType"/>
  <xs:element name="anyURI" nillable="true" type="xs:anyURI"/>
  <xs:element name="base64Binary" nillable="true" type="xs:base64Binary"/>
  <xs:element name="boolean" nillable="true" type="xs:boolean"/>
  <xs:element name="byte" nillable="true" type="xs:byte"/>
  <xs:element name="dateTime" nillable="true" type="xs:dateTime"/>
  <xs:element name="decimal" nillable="true" type="xs:decimal"/>
  <xs:element name="double" nillable="true" type="xs:double"/>
  <xs:element name="float" nillable="true" type="xs:float"/>
  <xs:element name="int" nillable="true" type="xs:int"/>
  <xs:element name="long" nillable="true" type="xs:long"/>
  <xs:element name="QName" nillable="true" type="xs:QName"/>
  <xs:element name="short" nillable="true" type="xs:short"/>
  <xs:element name="string" nillable="true" type="xs:string"/>
  <xs:element name="unsignedByte" nillable="true" type="xs:unsignedByte"/>
  <xs:element name="unsignedInt" nillable="true" type="xs:unsignedInt"/>
  <xs:element name="unsignedLong" nillable="true" type="xs:unsignedLong"/>
  <xs:element name="unsignedShort" nillable="true" type="xs:unsignedShort"/>
  <xs:element name="char" nillable="true" type="tns1:char"/>

```

```

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

```

7.3

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

```

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

```

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

7.5

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

```
<?xml version="1.0"?>
<xs:schema xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/"
  elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
  <xs:element name="ConvertBatchRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element
          xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
          minOccurs="0" name="Items" nillable="true" type="q1:ArrayOfConvertBatchItem" />
        <xs:element xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
          minOccurs="0" name="Jobs" nillable="true"
          type="tns:ArrayOfKeyValueOfunsignedLongConvertBatchJob98aftgpZ" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:complexType name="ArrayOfConvertBatchItem">
    <xs:sequence>
      <xs:element
        xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
        minOccurs="0" maxOccurs="unbounded" name="ConvertBatchItem" nillable="true"
        type="q1:ConvertBatchItem" />
    </xs:sequence>
  </xs:complexType>
  <xs:element
    xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
    name="ArrayOfConvertBatchItem" nillable="true" type="q1:ArrayOfConvertBatchItem" />
  <xs:complexType name="ConvertBatchItem">
    <xs:sequence>
      <xs:element minOccurs="0" name="GroupId" type="xs:short" />
      <xs:element minOccurs="0" name="InputFile" nillable="true" type="xs:string" />
      <xs:element minOccurs="0" name="InputWebUrl" nillable="true" type="xs:string" />
      <xs:element minOccurs="0" name="ItemId" type="xs:int" />
      <xs:element minOccurs="0" name="JobId" type="xs:unsignedLong" />
      <xs:element minOccurs="0" name="OutputFile" nillable="true" type="xs:string" />
      <xs:element minOccurs="0" name="OutputWebUrl" nillable="true" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
  <xs:element
    xmlns:q1="http://schemas.microsoft.com/office/server/translation/2010/11/convertBatch"
    name="ConvertBatchItem" nillable="true" type="q1:ConvertBatchItem" />
  <xs:complexType name="ConvertBatchJob">
    <xs:sequence>
      <xs:element minOccurs="0" name="PartitionId" nillable="true" type="tns1:guid" />
    </xs:sequence>
  </xs:complexType>
  <xs:element
    xmlns:q2="http://schemas.microsoft.com/office/server/translation/2010/11/translationJobSettings"
    minOccurs="0" name="Settings" nillable="true" type="q2:TranslationJobSettings" />
  </xs:element>
</xs:schema>
```

```

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

```

7.6

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

```

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

```

7.7

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

```

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

```

7.8

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

```

<?xml version="1.0"?>
<xs:schema
xmlns:tns2="http://schemas.microsoft.com/office/server/translation/2010/11/getGroups/response"
elementFormDefault="qualified"

```

```

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

```


7.10

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

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

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getIdRequest" 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](http://schemas.microsoft.com/office/server/translation/2010/11/getItems/responseSchema)

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

```

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

```

7.13

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

```

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

```

7.14

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

```

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

```

```

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

```

7.15

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

```

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

```

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

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getJobs"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:element name="GetJobsRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="ActiveOnly" type="xs:boolean"/>

```

```

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

```

7.18

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

```

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

```

7.19

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

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/office/server/translation/2010/11/getSyncJobStatus/response" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.datacontract.org/2004/07/System"/>
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
  <xs: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:schema>
```

7.20

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

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

7.21

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

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

```

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

```

7.22

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

```

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

```

7.23

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

```

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

```

7.24

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

```

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

```

```

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

```

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

```

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

```

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

```

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

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

7.28

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

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

7.29

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

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


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

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

7.31

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

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

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

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

```

7.33

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

```

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

```

7.34

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

```

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

```

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

Preliminary

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 15 Technical 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 2010 supports translation of XLIFF documents with file extension **xlf**. However, it does not support translation of every feature of the XLIFF standard. The following XLIFF features are supported. Any feature not explicitly listed here is ignored.

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

9 Change Tracking

This section identifies changes that were made to the [MS-TSWS] protocol document between the January 2012 and April 2012 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

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

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

- A document revision that incorporates changes to interoperability requirements or functionality.
- An extensive rewrite, addition, or deletion of major portions of content.
- The removal of a document from the documentation set.
- Changes made for template compliance.

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

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

The revision class **No change** means that no new technical or language changes were introduced. The technical content of the document is identical to the last released version, but minor editorial and formatting changes, as well as updates to the header and footer information, and to the revision summary, may have been made.

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

- New content added.
- Content updated.
- Content removed.
- New product behavior note added.
- Product behavior note updated.
- Product behavior note removed.
- New protocol syntax added.
- Protocol syntax updated.
- Protocol syntax removed.
- New content added due to protocol revision.
- Content updated due to protocol revision.
- Content removed due to protocol revision.
- New protocol syntax added due to protocol revision.

- Protocol syntax updated due to protocol revision.
- Protocol syntax removed due to protocol revision.
- New content added for template compliance.
- Content updated for template compliance.
- Content removed for template compliance.
- Obsolete document removed.

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

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

- **Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.
- **Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

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

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
2.2.3.5 UserToken	Modified the reference for UserToken section.	N	Content updated.
4.3.3 Getting the job status	Updated the operation sequence in section Getting the job status.	N	Content updated.

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