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# SharePoint 2013: Accessing the Machine Translation Service using the client object model

This documentation is preliminary and is subject to change.

Summary:  Learn how to translate document libraries, single documents or folders, and text streams with the Machine Translation Service in SharePoint Server 2013 Preview using the .NET client object model.

## Description of the Machine Translation Service .NET client object model sample

Important



Using machine translation will allow users to send content to Microsoft for translation. Microsoft may use content users send us to improve the quality of translations. If you use the Machine Translation Service in your application, you are responsible for informing users that this application will allow users to send content to Microsoft for translation and that Microsoft may use content users send us to improve the quality of translations. See [Microsoft Translator Privacy](http://msdn.microsoft.com/en-us/library/hh464486.aspx) for more information.

This sample demonstrates how to translate document libraries, single documents, folders, and text streams using the SharePoint Server 2013 Preview .NET client object model. Machine Translation Service is a new service application in SharePoint Server 2013 Preview that provides automatic machine translation of files and sites. Using the client object model, you can submit requests to the Machine Translation Service application asynchronously or synchronously (for instant translation). The Machine Translation Service client object model sample is a console application that contains several methods that show you how to submit different types of translation jobs synchronously and asynchronously.

## Prerequisites

This sample requires the following in your development environment:

* Visual Studio
* SharePoint Server 2013 Preview

## Key components of the sample

The console application contains the methods described in Table 1.

Table 1. Console application sample methods

| Method name | Description |
| --- | --- |
| Sync | Translates a single file synchronously. |
| AsyncFile | Translates a single file asynchronously. |
| AsyncFolder | Translates a single folder asynchronously. |
| AsyncLib | Translates a document library asynchronously. |
| TestLanguageAndFileExtension | Enumerates languages supported by the Machine Translation Serviceand tests support for several common file name extensions. |
| TranslationJobStatusGetJob | Retrieves both the list of the all translation jobs and all active translation jobs for the current user. |
| TestGetItems | Retrieves the status of individual items that are part of the specified translation job. |
| AddAsyncLibrary | Translates a document library synchronously. |
| TestCancelJob | Cancels the specified translation job. |
| GetJobItems | Returns all the items to be translated for the specified translation job. |
| TestIsFileExtensionSupported | Tests if the specified file name extension is supported by the Machine Translation Service. |
| TestIsLanguageSupported | Tests if the specified language is supported by the Machine Translation Service. |
| GetMaximumFileSize | Returns the file size limit for a specified file name extension. |

## Run and test the sample

Press the F5 key to compile and run the sample.

## Change log

| Version | Date |
| --- | --- |
| First version | July 16, 2012 |

## Related content

* [Translation Services in SharePoint 2013](http://msdn.microsoft.com/library/15a81428-da94-40b8-8ed4-6a12f05661e2.aspx)
* [Client Namespace](http://msdn.microsoft.com/library/Microsoft.Office.TranslationServices.Client)
* [SharePoint 2013 development overview](http://msdn.microsoft.com/library/f86e2695-4d7a-4fc5-bc23-689de96c4b06.aspx)
* [Getting started developing SharePoint apps](http://msdn.microsoft.com/library/d07e0a13-1e74-4128-857a-513dedbfef33.aspx)
* [Architecture of the app for SharePoint model](http://msdn.microsoft.com/library/ae96572b-8f06-4fd3-854f-fc312f7f2d88.aspx)
* [Apps for SharePoint vs. classic SharePoint solutions](http://msdn.microsoft.com/library/0e9efadb-aaf2-4c0d-afd5-d6cf25c4e7a8.aspx)
* [Detailed introduction to the SharePoint app model](http://msdn.microsoft.com/library/ae96572b-8f06-4fd3-854f-fc312f7f2d88.aspx)