Azure AI Translator is a cloud-based neural machine translation service that is part of the [Azure AI services](https://learn.microsoft.com/en-us/azure/ai-services/what-are-ai-services) family and can be used with any operating system. Translator powers many Microsoft products and services used by thousands of businesses worldwide for language translation and other language-related operations. In this overview, learn how Translator can enable you to build intelligent, multi-language solutions for your applications across all [supported languages](https://learn.microsoft.com/en-us/azure/ai-services/translator/language-support).

**Azure AI Translator features and development options**

Translator service supports the following features. Use the links in this table to learn more about each feature and browse the API references.

Expand table

| **Feature** | **Description** | **Development options** |
| --- | --- | --- |
| [**Text Translation**](https://learn.microsoft.com/en-us/azure/ai-services/translator/text-translation-overview) | Execute text translation between supported source and target languages in real time. Create a [dynamic dictionary](https://learn.microsoft.com/en-us/azure/ai-services/translator/dynamic-dictionary) and learn how to [prevent translations](https://learn.microsoft.com/en-us/azure/ai-services/translator/prevent-translation) using the Translator API. | • [**REST API**](https://learn.microsoft.com/en-us/azure/ai-services/translator/reference/rest-api-guide)  • [**Text Translation SDK**](https://learn.microsoft.com/en-us/azure/ai-services/translator/text-sdk-overview)  • [**Translator container**](https://learn.microsoft.com/en-us/azure/ai-services/translator/containers/translator-how-to-install-container) |
| [**Document Translation**](https://learn.microsoft.com/en-us/azure/ai-services/translator/document-translation/overview) | • **Asynchronous batch translation**: Translate batch and complex files while preserving the structure and format of the original documents. The batch translation process requires an Azure Blob storage account with containers for your source and translated documents. •**Synchronous single file translation**: Translate a single document file alone or with a glossary file while preserving the structure and format of the original document. The file translation process doesn't require an Azure Blob storage account. The final response contains the translated document and is returned directly to the calling client. | • [**REST API**](https://learn.microsoft.com/en-us/azure/ai-services/translator/document-translation/reference/rest-api-guide)  • [**Translator container**](https://learn.microsoft.com/en-us/azure/ai-services/translator/containers/translator-how-to-install-container) |
| [**Custom Translator**](https://learn.microsoft.com/en-us/azure/ai-services/translator/custom-translator/overview) | Build customized models to translate domain- and industry-specific language, terminology, and style. [Create a dictionary (phrase or sentence)](https://learn.microsoft.com/en-us/azure/ai-services/translator/custom-translator/concepts/dictionaries) for custom translations. | • [**Custom Translator portal**](https://portal.customtranslator.azure.ai/) |

For detailed information regarding Azure AI Translator Service request limits, *see* [**Service and request limits**](https://learn.microsoft.com/en-us/azure/ai-services/translator/service-limits#text-translation).

**Try the Azure AI Translator service for free**

First, you need a Microsoft account; if you don't have one, you can sign up for free at the [**Microsoft account portal**](https://account.microsoft.com/account). Select **Create a Microsoft account** and follow the steps to create and verify your new account.

Next, you need to have an Azure account—navigate to the [**Azure sign-up page**](https://azure.microsoft.com/free/ai/), select the **Start free** button, and create a new Azure account using your Microsoft account credentials.

Now, you're ready to get started! [**Create a Translator service**](https://learn.microsoft.com/en-us/azure/ai-services/translator/create-translator-resource), [**get your access keys and API endpoint**](https://learn.microsoft.com/en-us/azure/ai-services/translator/create-translator-resource#authentication-keys-and-endpoint-url), and try our **[quickstart](https://learn.microsoft.com/en-us/azure/ai-services/translator/quickstart-text-rest-api" \o "Learn to use Translator via REST.)**.