**Azure AI Translator: Secure Text and Document Translation**

Azure AI Translators is a Cloud-based neural machine translation service part of the Azure AI Services umbrella.

It's the muscle behind intelligent, multi-language operations for applications, with over 100 supported languages.

**Details**

**Bicep Templates**

The ‘ai-translators-maindeploy.bicep’ template assumes that you are a US regulated entity with requirements for network isolation, access control, and least privilege security controls. For deployment to be successful, please ensure the following pre-requisites:

* The AI Translators, key vault, and Storage Account should be deployed in the same Azure US Government region (example: usgovvirginia).
* Template assumes the following resources exist in the subscription prior to deployment. Please provide the resource IDs for the following existing resources:
  + Log Analytics Workspace
  + Event Hub
  + Key Vault Private DNS Zone
  + Translator Private DNS Zone
  + Storage Account Blob Private DNS Zone
* Template assumes a virtual network already exists and is linked to the private DNS zones.
* Subnet ID parameter must pertain to the linked virtual network for each private DNS zone.

**Managed Identities**

The AI Translator must have the following role assignment configured:

* Storage Blob Data Contributor at resource scope

The Virtual Machine hosting the App must have the following role assignment configured:

* Key Vault Secret User

**C# Samples**

The ‘translator-text-app.cs’ assumes you have an existing AI Translator resource, an existing Key Vault, and the secret created for the translator key. For a successful run, please ensure the following pre-requisites:

* Provide the FQDN (private endpoint) for the AI Translator.
* Provide AI Translator’s existing location or region.
* Provide existing key vault URI.
* Provide the secret name for the translator key.

The ‘multiple-document-translator.cs’ assumes you have an existing AI Translator resource, a Storage Account with Blob services, an existing Key Vault, and the secret created for the translator key. The Storage Account must also have a source container, a French container, an Arabic container, and a Spanish container created. For a successful run, please ensure the following pre-requisites:

* Provide the FQDN (private endpoint) for the AI Translator.
* Provide AI Translator’s existing location or region.
* Provide existing key vault URI.
* Provide the secret name for the translator key.
* Provide container URIs.