Microsoft Azure Cognitive Services: Translator Text API

UNDERSTANDING THE BASICS OF TEXT TRANSLATOR

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Overview

Scenario

Translator Text API Capabilities

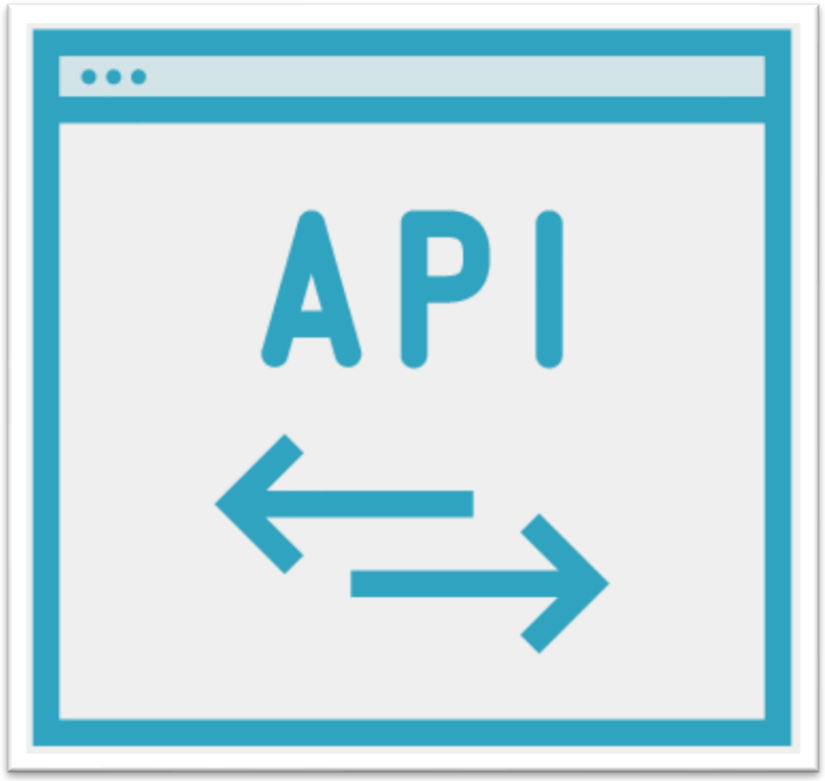
- Supported languages
- Translation
- Transliteration
- Language identification
- Word translation
- Sentence length

Scenario Details

Patient communication

Realtime translation

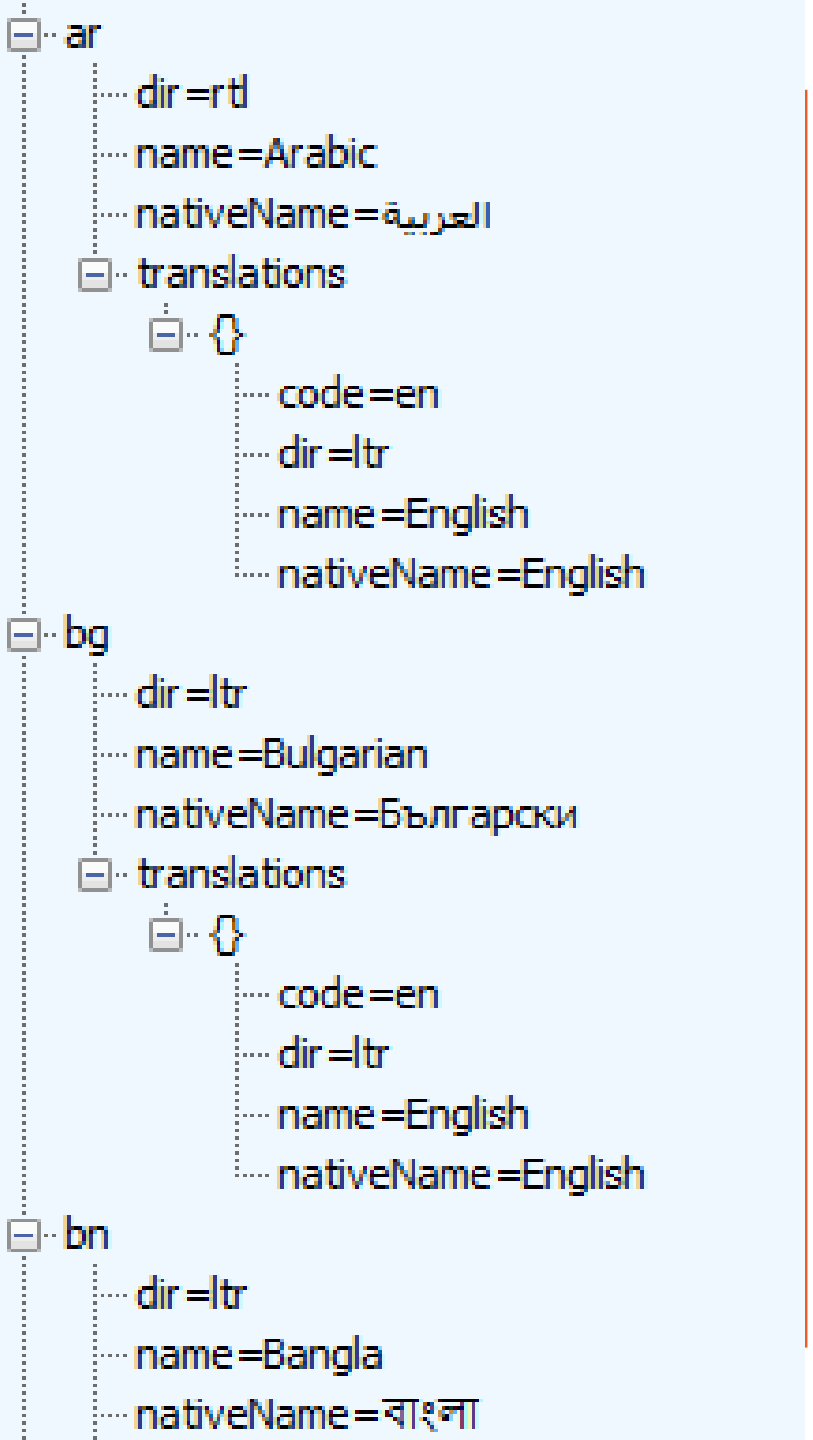
Translator Text Is a REST API



Uses the REST verbs POST and GET

Requires body to be in JSON format

API key passed in the header to authorize



Nested JSON showing source language and available translations

Text Translation

Requires the from and to languages passed as query parameters

Can translate multiple items

Text Transliteration

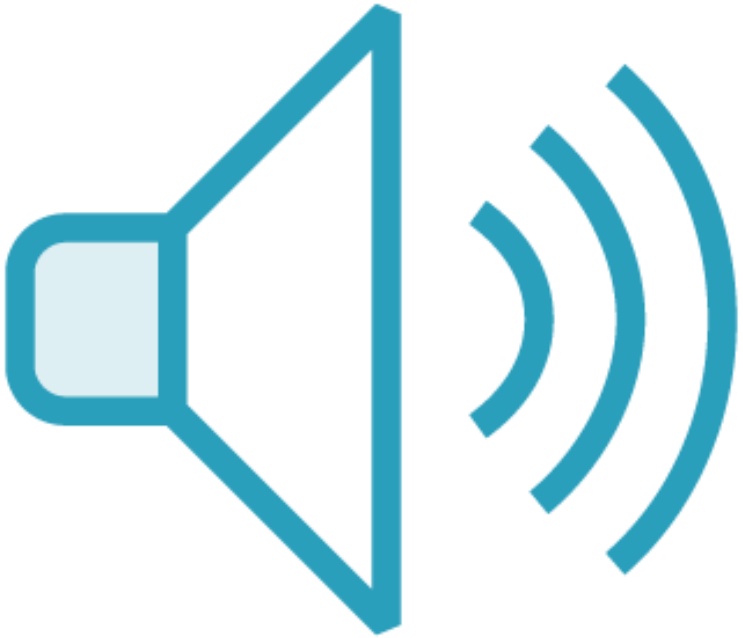
From Dictionary.com:

transliterate[trans-lit-uh-reyt, tranz-]

to change (letters, words, etc.) into corresponding characters of another alphabet or language:

Example: الـل which **translates** from Arabic as God, but would be **transliterated** in english as Allah.

Language Identification



Attempts to determine the source language as well as possible alternatives

Word Translation

Translates a single word and provides usage examples of alternate translations

Sentence Length

Breaks apart the string by sentence

Returns an array of numbers indicating the length of the sentences passed in.

Demo

1. Setting up Translator Text in the Azure portal and calling it via Postman and Fiddler

2. Calling the API with C# in a console app

Summary

REST API

Language agnostic

Translator Text API features

Demo showing Postman and Fiddler

Demo showing C# calling the API's