AI & Machine Learning Products (https://cloud.google.com/products/machine-learning/)
Cloud Translation (https://cloud.google.com/translate/)
Documentation (https://cloud.google.com/translate/docs/) Guides

Discovering supported languages (Advanced)

This document describes how to use the Cloud Translation API to list supported languages using Cloud Translation - Advanced.

Note: See Migrating to Translation Advanced (https://cloud.google.com/translation/docs/migrate-to-v3) for details regarding differences between Basic and Advanced.

Sending a supported languages request

You can discover the supported languages (https://cloud.google.com/translate/docs/languages) of this API by sending an HTTP request using a URL of the following format:

```
https://translation.googleapis.com/v3/projects/project-number-or-id/locations/locati
```

Note: *project-id* works as well, but *project-number* is preferred going forward.

Get a list of supported languages

REST & CMD LINE	C#	GO	MORE ▾

To get a list of all supported languages, make a `GET` request to the `https://translation.googleapis.com/v3/projects/project-number-or-id/locations/location/supportedLanguages` URL. The following shows an example of a `GET` request using `curl` and PowerShell. The example uses the access token for a service account set up for the project using the Google Cloud Platform Cloud SDK (https://cloud.google.com/sdk/). For instructions on installing the Cloud SDK, setting up a project with a service account, and obtaining an access token, see the Quickstart (https://cloud.google.com/translate/docs/advanced/setup-advanced/).

Before using any of the request data below, make the following replacements:

- *project-number-or-id*: your GCP project number or ID

HTTP method and URL:

```
GET https://translation.googleapis.com/v3/projects/project-number-or-id/locations/
```

To send your request, choose one of these options:

CURL   POWERSHELL

> **Note:** Ensure you have set the **GOOGLE_APPLICATION_CREDENTIALS**
> (https://cloud.google.com/docs/authentication/production) environment variable to your service
> account private key file path.

Execute the following command:

```
curl -X GET \
-H "Authorization: Bearer "$(gcloud auth application-default print-access-token)
https://translation.googleapis.com/v3/projects/project-number-or-id/locations/gl
```

You should receive a JSON response similar to the following:

```
{
  "languages": [
      "languageCode": "af",
      "supportSource": true,
      "supportTarget": true
  },
  {
      "languageCode": "am",
      "supportSource": true,
      "supportTarget": true
  },
  {
      "languageCode": "ar",
      "supportSource": true,
      "supportTarget": true
  },
  ....
  {
      "languageCode": "zu",
      "supportSource": true,
      "supportTarget": true
```

```
    }
  ]
}
```

The list is sorted alphabetically by language code. This query returns iso-639-1 language codes for supported languages. Some language codes also include a country code, like zh-CN or zh-TW. For example:

```
  {
    "languageCode": "zh-TW",
    "supportSource": true,
    "supportTarget": true
  },
```

Listing supported languages with target language name

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Here is another example that returns the list of supported languages with the returned language names written in the specified target language. The returned list is sorted alphabetically according to the target language.

Before using any of the request data below, make the following replacements:

- **project-number-or-id**: your GCP project number or ID

HTTP method and URL:

```
GET https://translation.googleapis.com/v3/projects/project-number-or-id/locations/
```

To send your request, choose one of these options:

CURL	POWERSHELL

> **Note:** Ensure you have set the **GOOGLE_APPLICATION_CREDENTIALS**
> (https://cloud.google.com/docs/authentication/production) environment variable to your service
> account private key file path.

Execute the following command:

```
curl -X GET \
-H "Authorization: Bearer "$(gcloud auth application-default print-access-token)
```

```
https://translation.googleapis.com/v3/projects/project-number-or-id/locations/gl
```

You should receive a JSON response similar to the following:

```
{
  "languages": [{
      "languageCode": "af",
      "displayName": "Afrikanisht",
      "supportSource": true,
      "supportTarget": true
    },
    {
      "languageCode": "am",
      "displayName": "Amarikisht",
      "supportSource": true,
      "supportTarget": true
    },
    {
      "languageCode": "en",
      "displayName": "Anglisht",
      "supportSource": true,
      "supportTarget": true
    },
    ...{
      "languageCode": "zu",
      "displayName": "Zulu",
      "supportSource": true,
      "supportTarget": true
    }

      ]
}
```

In this case, the query returns the same language codes as above, along with `name` strings that give the names of the languages written in the target language. In this example, the language is Albanian (sq).

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