

Google Services - KM Automatic Translation



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Introduction

Inbenta supports [42 languages](#). Multi-language implementations are very popular among our customers. One of the challenges of multi-language projects is to create and maintain contents across multiple languages. To help our customers with this problem, we have created an application to automatically translate (We have used Google Services. You could choose your choice of the translation service) and create contents across multiple language instances when you create one in your base language.

How does it work?

This auto-translate application uses translation services such as Google Services to create the translations.

A webhook is created to use the Google Service API for translation. Multi-language instances are linked together in the settings of the base instance where the content will be created or edited. When a content is saved (both new content & edit content) in the base knowledge instance, this Webhook gets triggered and that sends the content to Google Services and creates a respective contents in other language instances based on the translated text received from Google Services.

The following are the content attributes considered for translation.

- Title
- Answer text
- Alternative titles (if exists)
- Answer text for every user type (as long as the user types ID's exist in target instance)

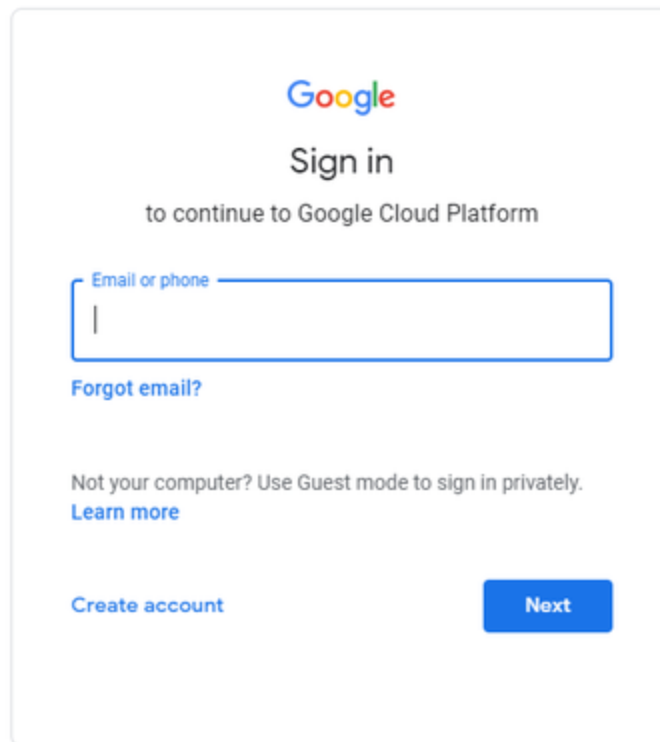
In addition to the translation of above mentioned content attributes, this application also considers the data entered in other content attributes of the original content and saves them as is in all the language instances.

Here is the list of additional content attributes considered:

- Publication date
- Expiration date
- Status
- Use for popular
- Related content
- Categories (as long as the ID exist in the target instance)

GOOGLE SERVICES

- Login to your Google account through the [Developers Console](#).



Google

Sign in

to continue to Google Cloud Platform

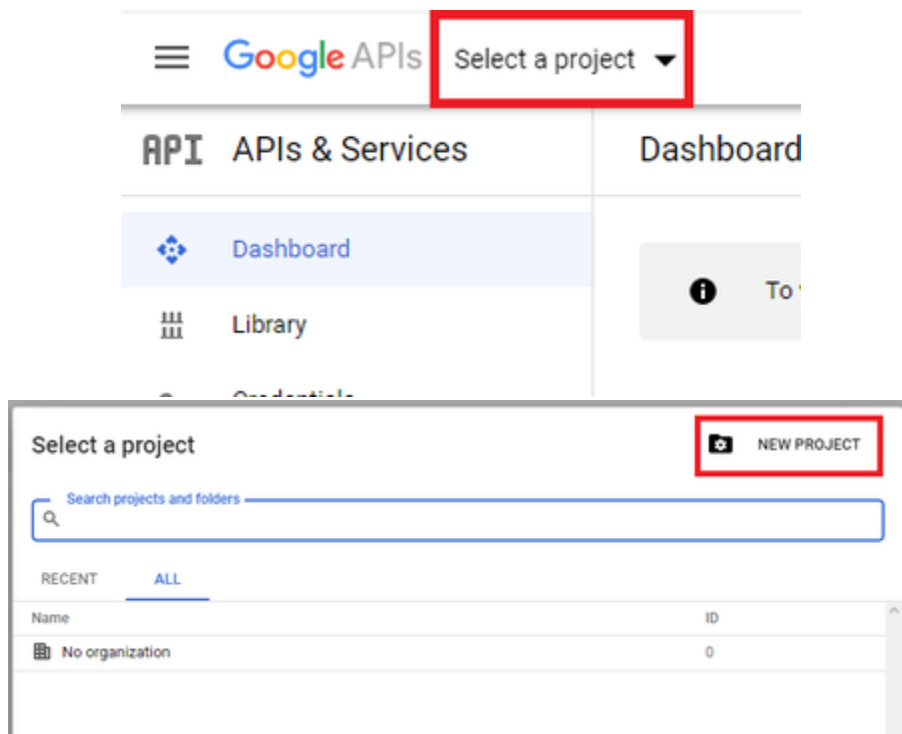
Email or phone

[Forgot email?](#)

Not your computer? Use Guest mode to sign in privately.
[Learn more](#)

[Create account](#) [Next](#)

- If you have projects previously created, choose one. If you don't, create a new one by clicking on **Select a project** and then **NEW PROJECT**.



Google APIs **Select a project ▼**

API APIs & Services Dashboard

Dashboard

Library

Select a project **NEW PROJECT**

Search projects and folders


RECENT ALL

Name	ID
No organization	0

- Enter a **Project name** and click on **CREATE**.

Google APIs

New Project

 You have 23 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

Project name * ?

Project ID: newproject-292919. It cannot be changed later. [EDIT](#)

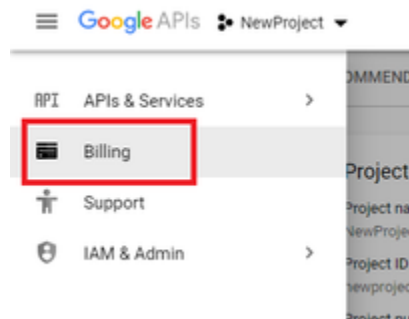
Location * [BROWSE](#)

Parent organization or folder

[CREATE](#) [CANCEL](#)

Billing information

- In order to start using the Translation API, you need to provide the Billing information. Go to **Billing** located on the left-top menu.



- Click on **ADD BILLING ACCOUNT**.

Billing

Accounts

Add a billing account to access the full set of services and increased usage limits. [Learn more](#)

[ADD BILLING ACCOUNT](#)

- On the next screen, select the **Country**, and accept the **Terms of Service**.

Step 1 of 2



[Redacted]@[Redacted]

[SWITCH ACCOUNT](#)

Country

United States

Terms of Service

☒ I have read and agree to the [Google Cloud Platform Free Trial Terms of Service](#).

Required to continue

CONTINUE

- Provide the details requested in Step 2:

Step 2 of 2

Customer info



Account type ⓘ



Business



Name and address ⓘ

Business name

Name

Address line 1

- Add the payment details.

Payment method ⓘ



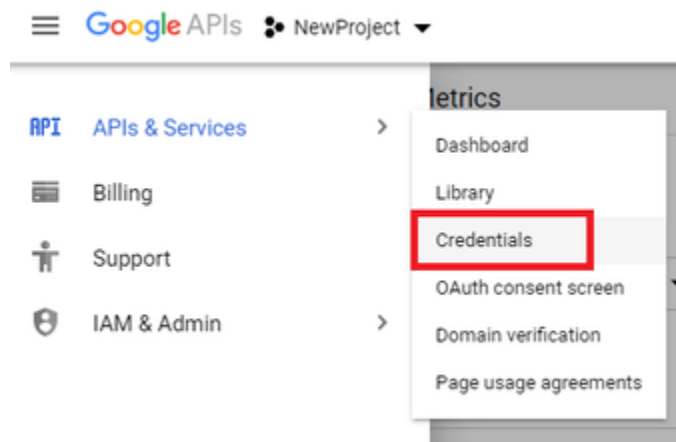
Card details

☒ Credit or debit card address is same as above

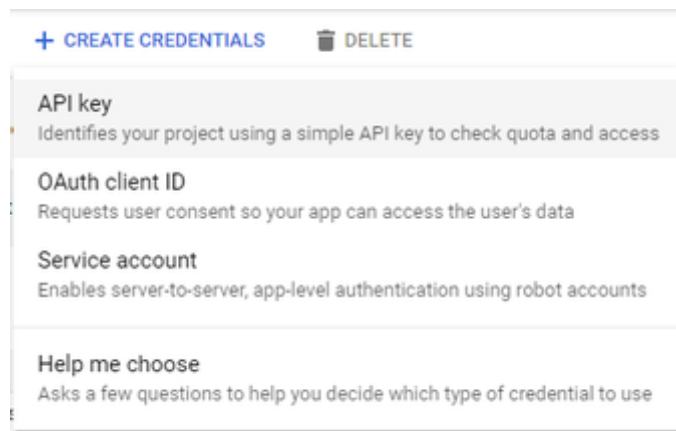
START MY FREE TRIAL

API Key

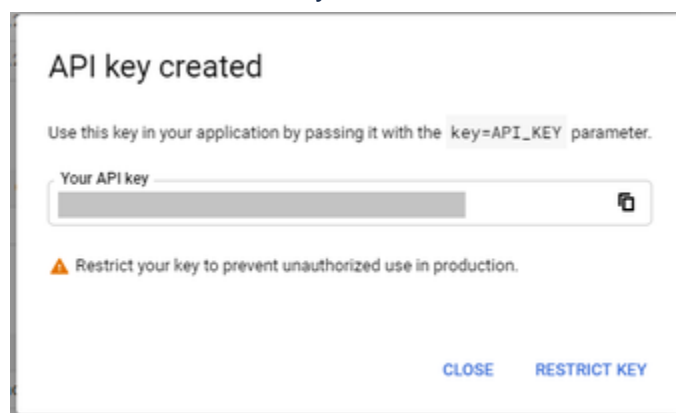
- Once the Billing information is added, create an **API Key**. Go to **APIs & Services**, located on the left-up menu, and then to **Credentials**.



- Click on **CREATE CREDENTIALS API key**.




- This automatically creates a new API Key.



- Restrict your new key or change the name.

Name *
API key

Key restrictions

 This key is unrestricted. Restrictions help prevent unauthorized use and quota theft. [Learn more](#)

Application restrictions

An application restriction controls which websites, IP addresses, or applications can use your API key. You can set one application restriction per key.

☒ None
☐ HTTP referrers (web sites)
☐ IP addresses (web servers, cron jobs, etc.)
☐ Android apps
☐ iOS apps

API restrictions

API restrictions specify the enabled APIs that this key can call

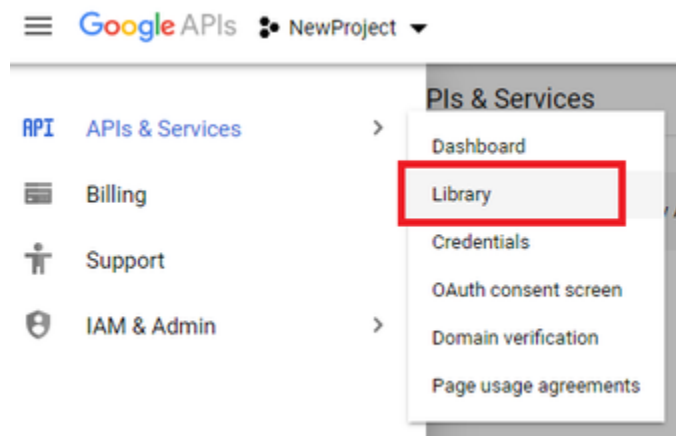
☒ Don't restrict key
This key can call any API
☐ Restrict key

Note: It may take up to 5 minutes for settings to take effect

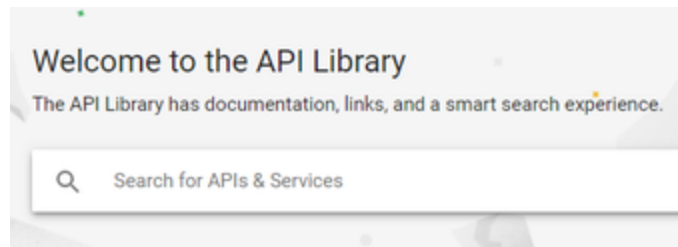
SAVE CANCEL

Cloud Translation API

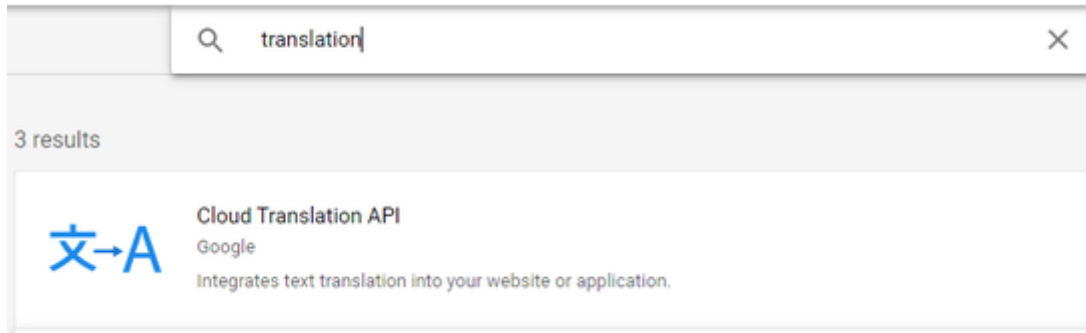
- The final process is to activate the Translation API. Go to **APIs & Services Library**



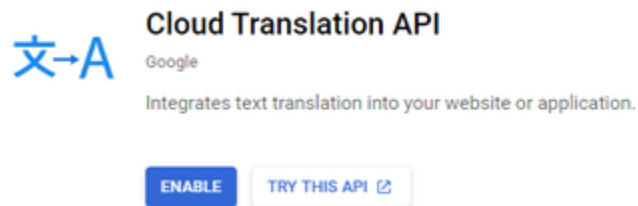
- You should see the main screen for the API Library, where you can search for the existing Google APIs services.



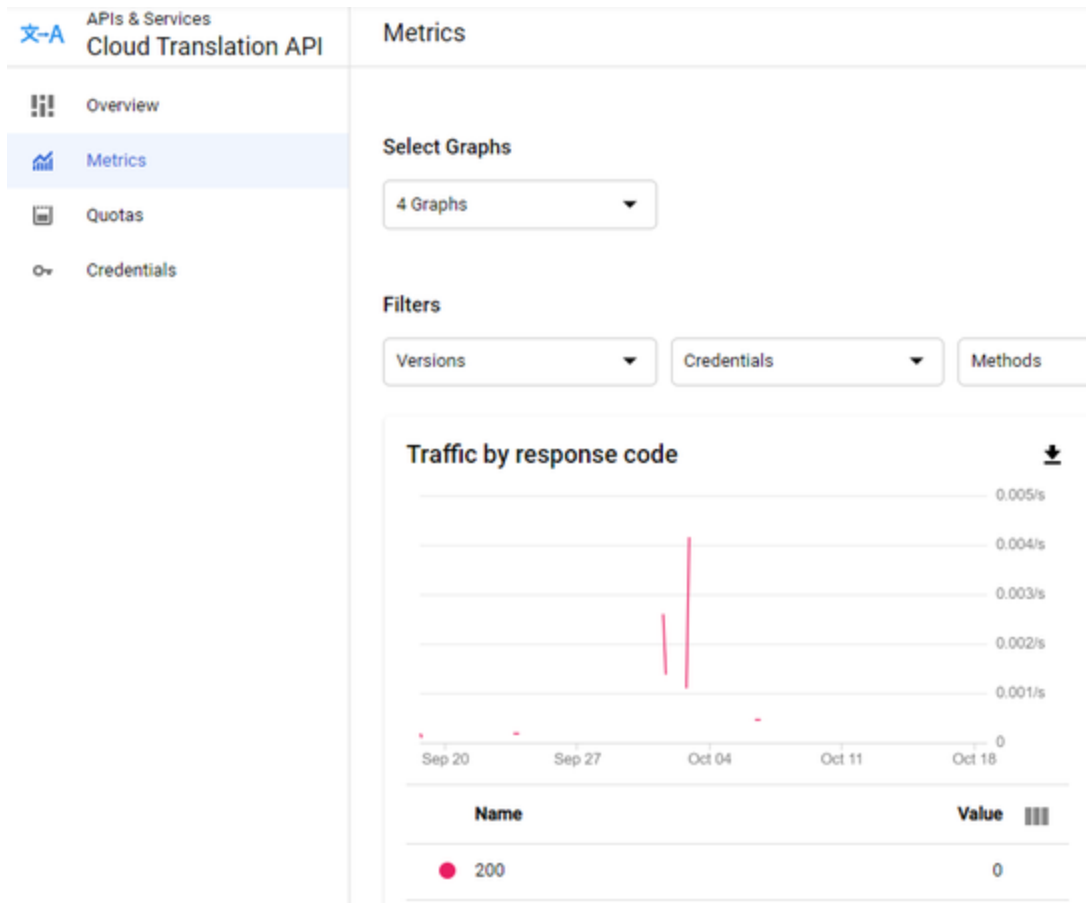
- Search for “translation” and click on the first result.



- Click on **ENABLE**.



- Once you have it enable, you should be able to see the metrics.



For further information visit the [Cloud Translation documentation](#).

Prepare your Inbenta Instances

Reach out to your Inbenta Point of Contact to enable the following for you:

- **Multilanguage Related Instances** settings.
- Webhook that you create for the translation service. In your main instance go to **Settings -> Static -> On save content webhook**, (this is the `KM_HEADER_KEY`, needed in the `.env` file). You will share the following details:

URL:	<input type="text" value="https://inbenta-km-translator.hier"/>
Header Name:	<input type="text" value="Apply-Translation"/>
Header Value:	<input type="text" value="xxxxxxxxxx en"/>

NOTE: “Header Value” is a string defined by customer, but is mandatory to add at the end a pipe character (|) and the language of the primary instance. Example “xxxxx|en”, “xxxxx|es”, “xxxxx|fr”, etc. For this value avoid the use of #.

The “Header Name” must be “**Apply-Translation**”.

- In the `.env` file, the following configuration needs to be added.
 - Auth URL for the KM API, given by Inbenta.
 - Header key value (previous step).
 - A “**User Personal Secret Token**” (KM_UPST). [Help Center Instructions](#).
 - Api Key and Secret for every instance (origin and target instances).
 - Google information (key and url).

```
AUTH_URL =
KM_HEADER_KEY =
KM_UPST = #User Personal Secret Token
KM_LANG_LIST = #ES,EN
KM_API_KEY_ES =
KM_SECRET_ES =
KM_API_KEY_EN =
KM_SECRET_EN =
GOOGLE_KEY =
GOOGLE_URL = #Example: https://translation.googleapis.com/language
/translate/v2
```

Dependencies

This application needs 2 dependencies: `guzzlehttp/guzzle` and `vlucas/phpdotenv` as a Composer dependency.