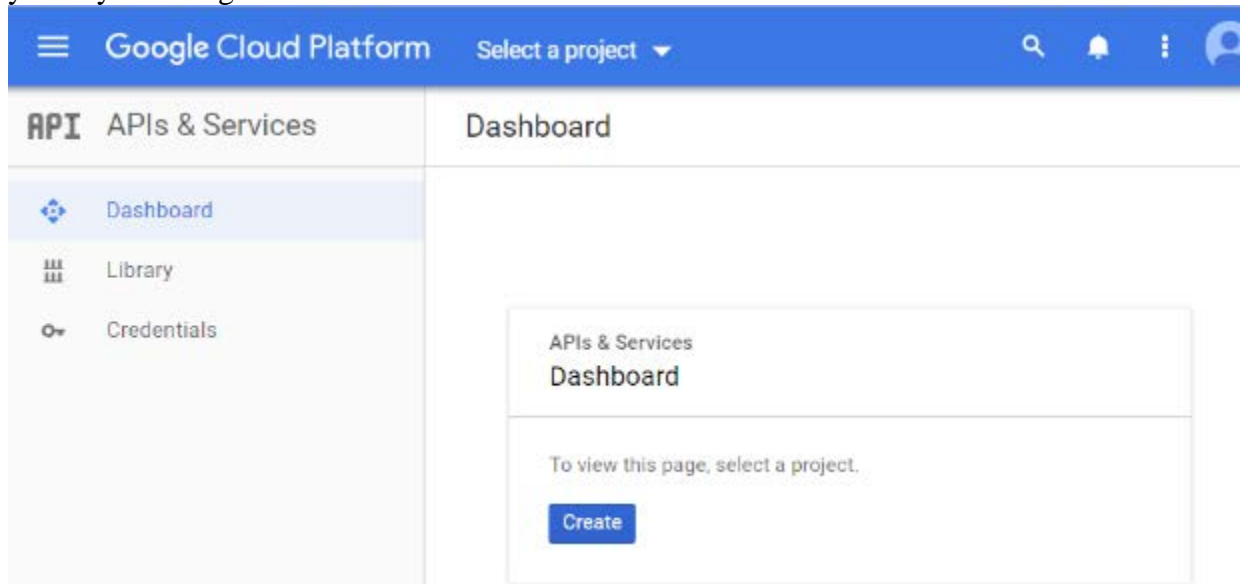


Getting a Service Account Key from the Google Cloud Platform, or: Getting your Key for the Transmogrifier Program

by Ryan L. Boyd -- Updated on 2018-07-08

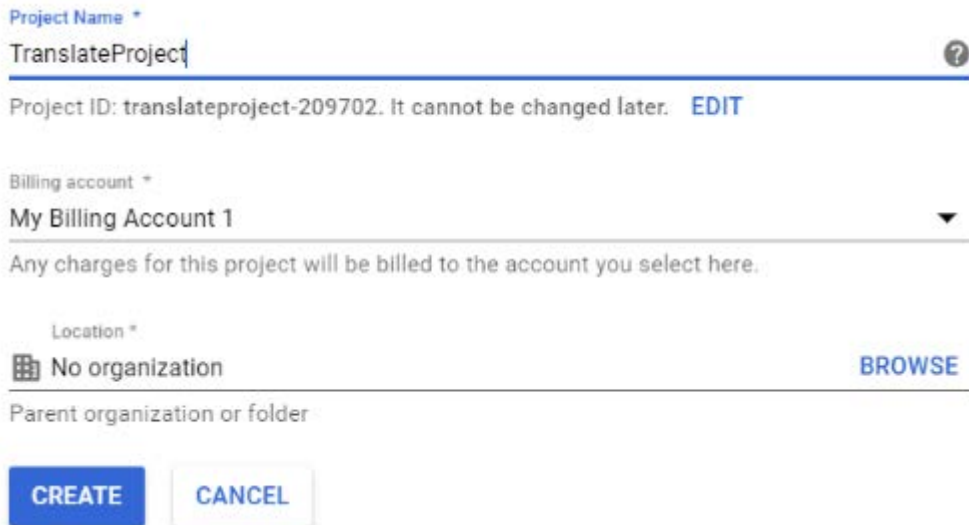
If you've never worked with the Google Cloud Platform, setting up an account/project might seem complicated, or even just completely unintuitive. I've written this little guide as a walk-through for getting from Point A (starting with nothing) to Point B (getting your service account key file).

1. Go to <https://console.cloud.google.com/apis/api/translate.googleapis.com>. This will bring you to your Google Cloud dashboard



2. Click "Create" to make a new project.

3. You can name your project anything that you want – it doesn't really matter. Suggested name: TranslateProject. You'll also likely have to set up your billing info at this point as well. Remember, the Google Translate API is not free. Using the API will cost money.



Project Name *

TranslateProject

Project ID: translateproject-209702. It cannot be changed later. [EDIT](#)

Billing account *

My Billing Account 1

Any charges for this project will be billed to the account you select here.

Location *

No organization [BROWSE](#)

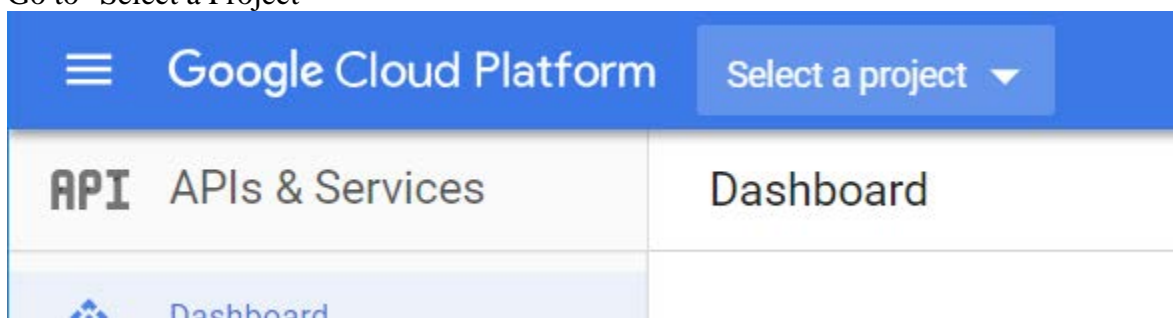
Parent organization or folder

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

4. It might look like nothing is happening for a few seconds, but Google is setting up your "project". It should be ready in less than a minute, and you'll probably see your little "notification" logo spinning:





5. Go to "Select a Project"



- Click on the project that you just created. You'll see the little blue checkmark show up *after* you've selected your project.

🔍 Search projects and folders

RECENT		ALL
Name		ID
✓	 TranslateProject 	translateproject-209702

- Now it's time to link your project to the Google Translate API. You can either scroll through the list that Google gives you, or just search for "translate" to make it easier to find. Once you've found it, click on the box that says "Cloud Translation API"

Google Cloud Platform TranslateProject 🔍


← Search 🔍 translate ×

Filter by 2 results

CATEGORY


Machine learning (1)

Networking (1)



Cloud Translation API
Google


The Google Cloud Translation API lets websites and programs integrate with Google Translate...



Google Cloud DNS API
Google

Highly Available Global DNS Network

8. Click the blue "Enable" button.



Cloud Translation API

Google

The Google Cloud Translation API lets websites and programs integrate with Google Translate...

[ENABLE](#) [TRY THIS API](#)

Type
APIs & services


Overview

The Google Cloud Translation API lets websites and programs integrate with Google Translate programmatically.

9. Now that the API is linked to your project, you need to create/download your credentials file. Click on "Credentials", located in the left panel:

Google Cloud Platform

TranslateProject



APIs & Services
Cloud Translati...

Overview

Metrics

Quotas

Credentials

Overview

Details

Name

Cloud Translation API

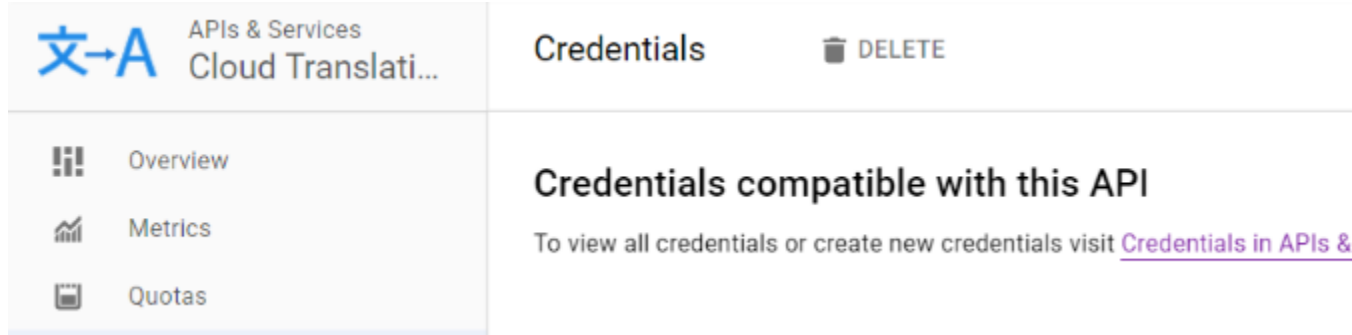
By

Google

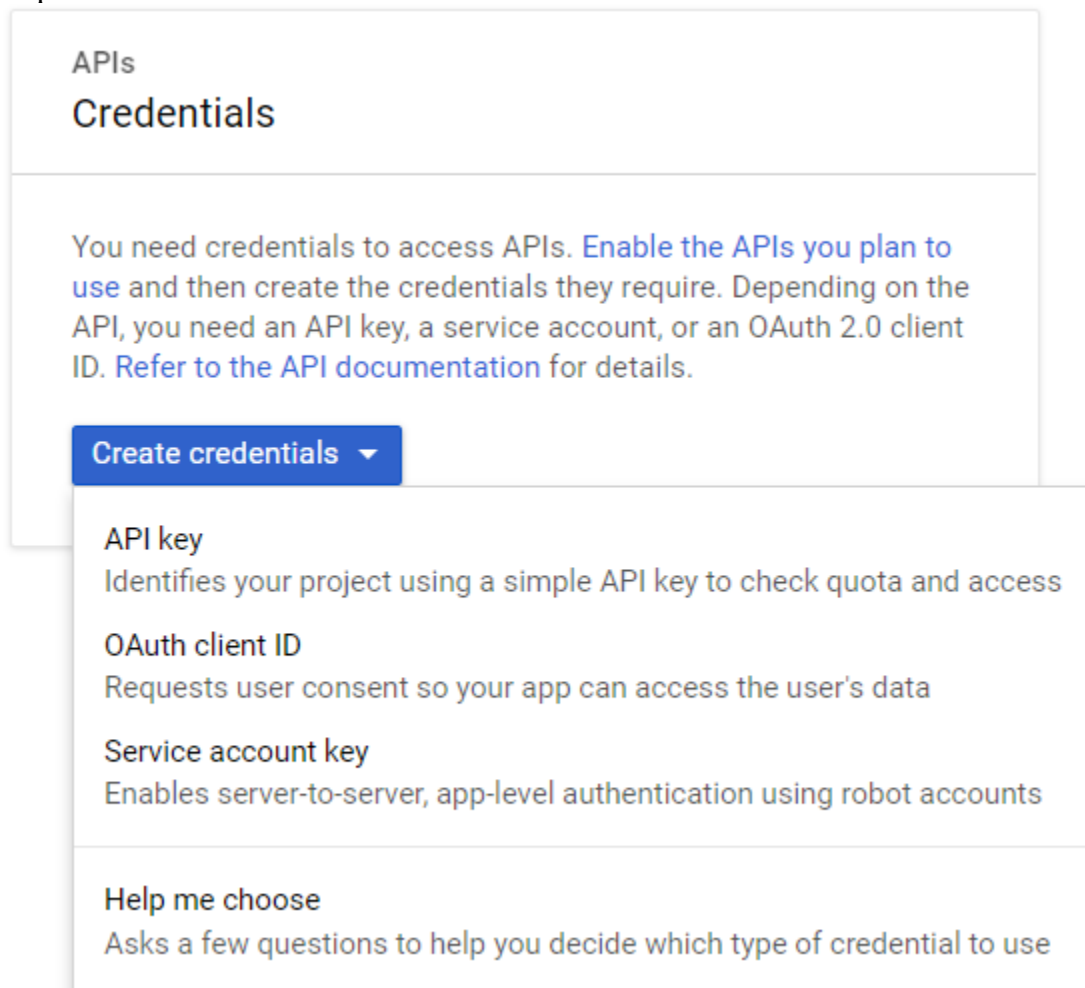
Service name

translate.googleapis.com

10. It will tell you that you need to visit the "Credentials in APIs & Services" page. Go ahead and click on this link.



11. Click on the blue "Create Credentials" button, and select "Service account key" from the dropdown menu.



12. Fill in the information for a new service account. For all of our purposes, you basically just want to make a single "master" account. The other "roles" are for if you are doing this as an organization and want to set up lower-level users, managers, etc. to control access to the project. This doesn't really matter for us. You'll typically want to use the following settings:

- New Service Account
- Service Account Name: (Your name)
- Role: Project → Owner
- Key type: JSON

Service account

New service account

Service account name [?]

RyanBoyd

Service account ID

ryanboyd @translateproject-209702.iam.g

Role [?]

Select a role

Selected

Project

App Engine

BigQuery

Billing

Cloud IAP

Cloud SQL

Cloud Security Scanner

Cloud Trace

Datastore

Error Reporting

Owner

Editor

Viewer

Browser

Key type

Downloads a file that contains the private key. Store the file securely and be recovered if lost.

☒ JSON

Recommended

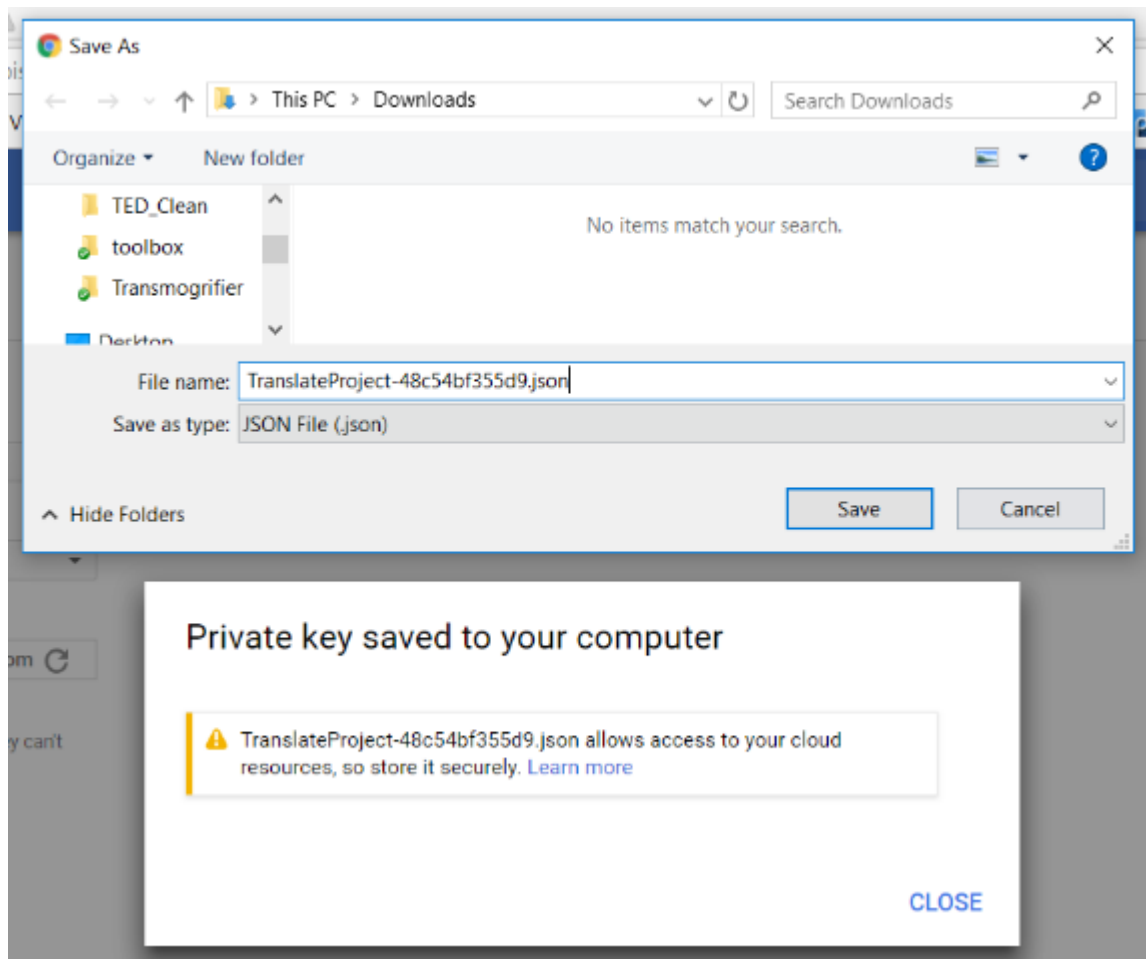
☐ P12

For backward compatibility with code using the P12 format

Create

Cancel

13. Click the blue "Create" button. You will then be prompted to download your service account key.



14. That's it! This json file that you download will be the Service Account Key that you use when you start up the Transmogrifier.

And there you have it – the 14 simplest steps in the world :)

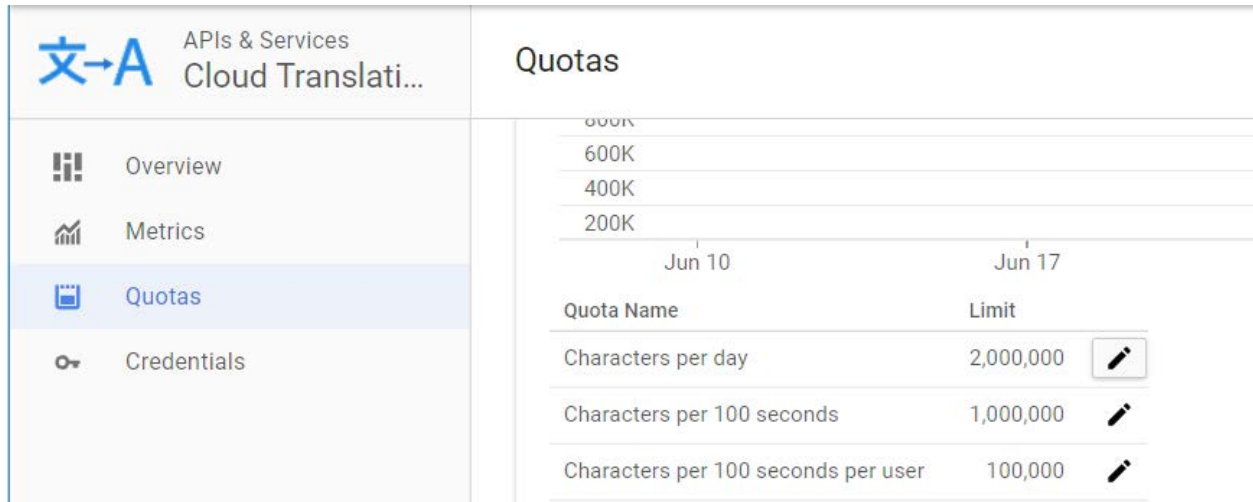
If you need to delete your project for any reason, you can do a Google search for how to “shut down” a project, or check the following URL:

https://cloud.google.com/resource-manager/docs/creating-managing-projects#shutting_down_projects

Quotas / Daily Limits

If you are trying to translate a large amount of text, you will find that the Google Translate API has limits that may be restrictive. Note that you should review Google's pricing policies before adjusting your limits (i.e., "quotas") to avoid owing them more money than you had originally anticipated.

If you need to increase the amount of text that the API will allow you to translate, you can do this from the "Quotas" tab in the Google Cloud Platform menus:



You will want to increase (or decrease, if you want to be more restrictive) the maximum "Characters per day" limit, which can range anywhere from 0 to "Unlimited".