YouTube Setup Guide

Version 2.0.3

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Document Revision History

February 15, 2018

- Initial release of documentation

June 04, 2018

- Released v1.3.7

September 21, 2018

- Released v2.0.3

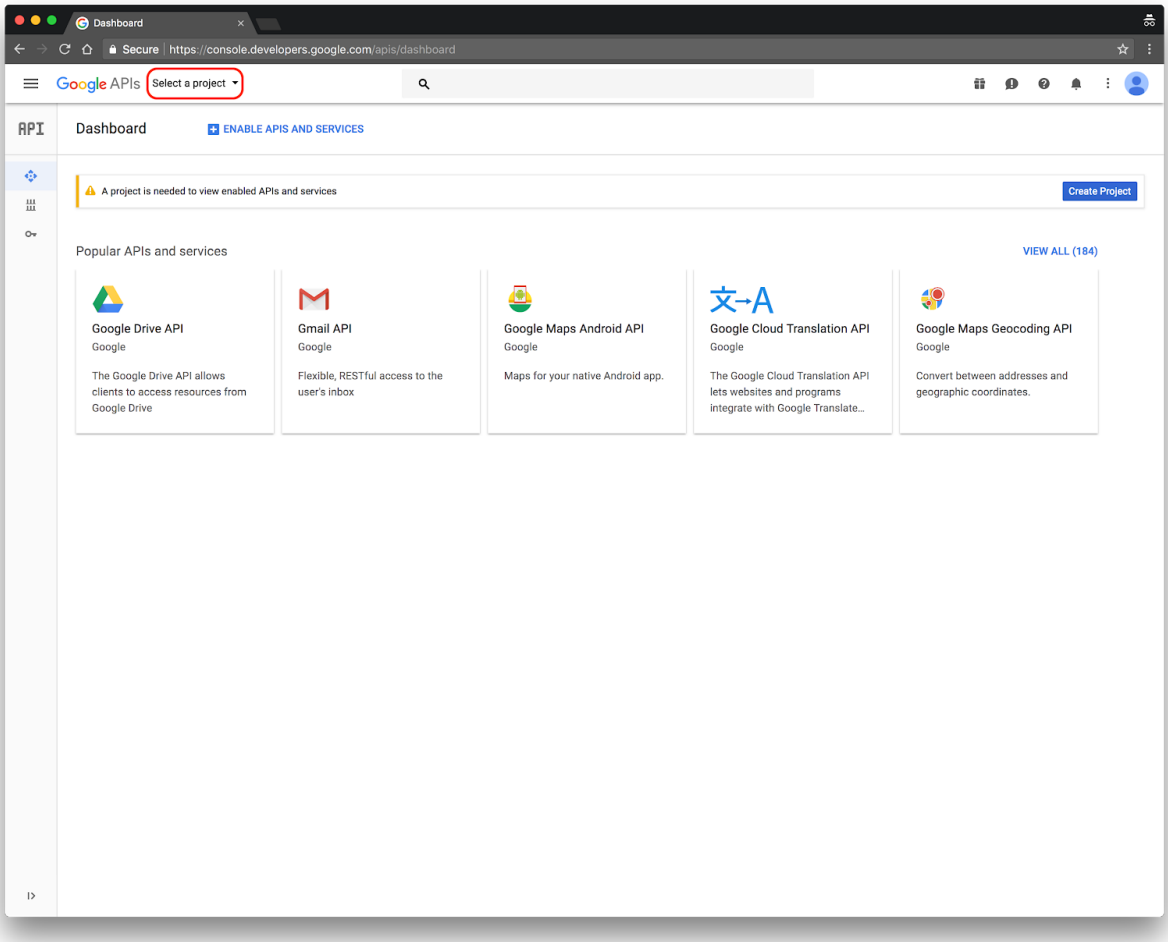
YouTube Account Setup (G Suite)

Preparations

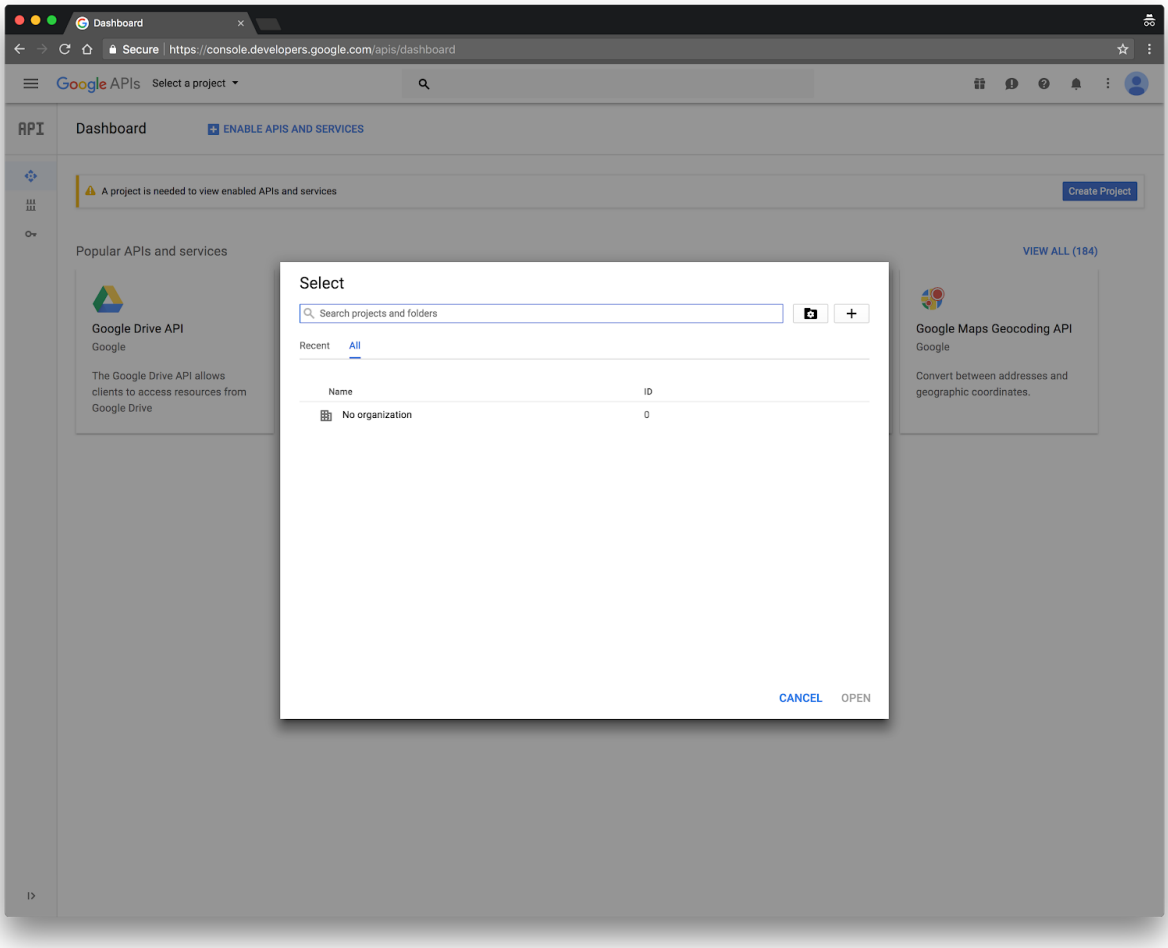
In order to link a YouTube G Suite account to Backpack, you need a service account from Google. Proceed with the following steps to create the service account,

Create Project

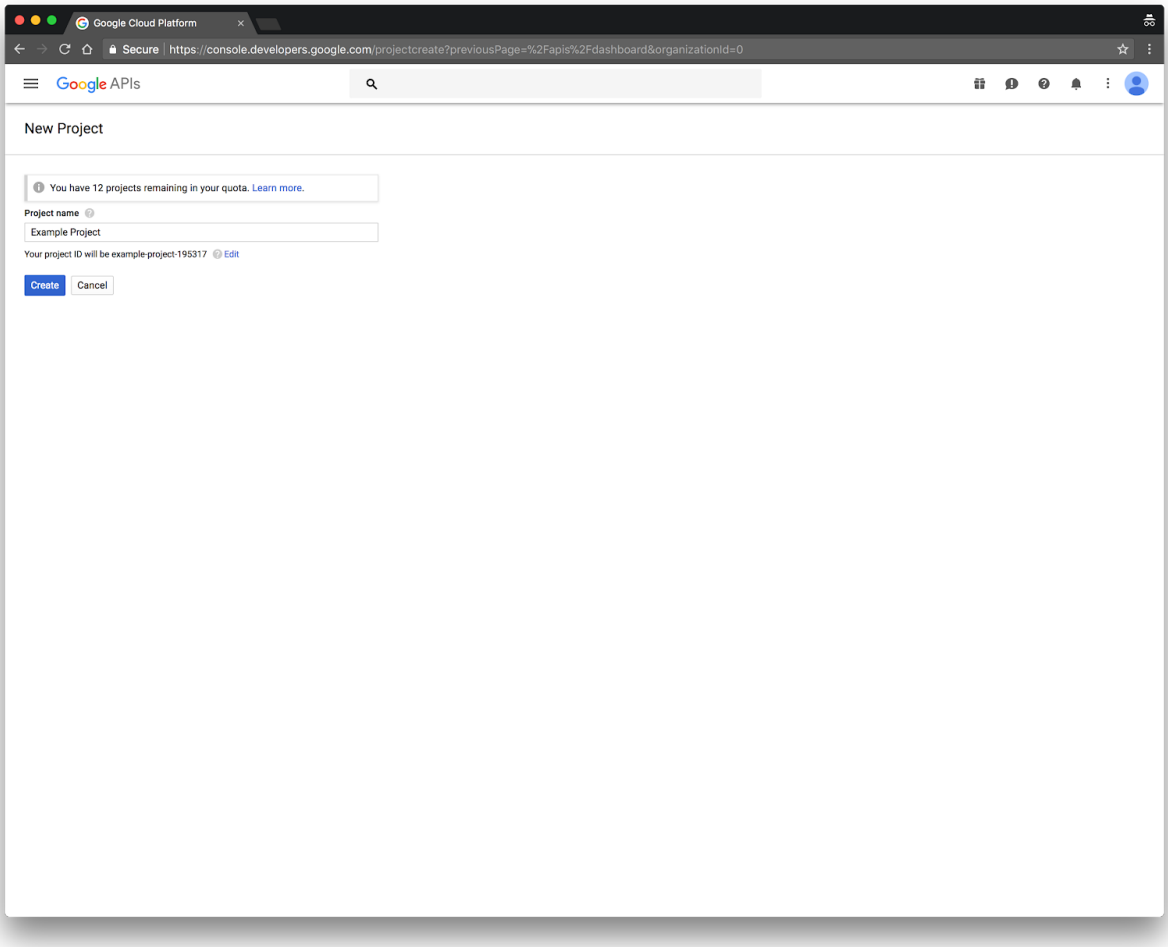
Open Google Developer Console, Use the **Project selector** on the top left corner of the page to create a new project.



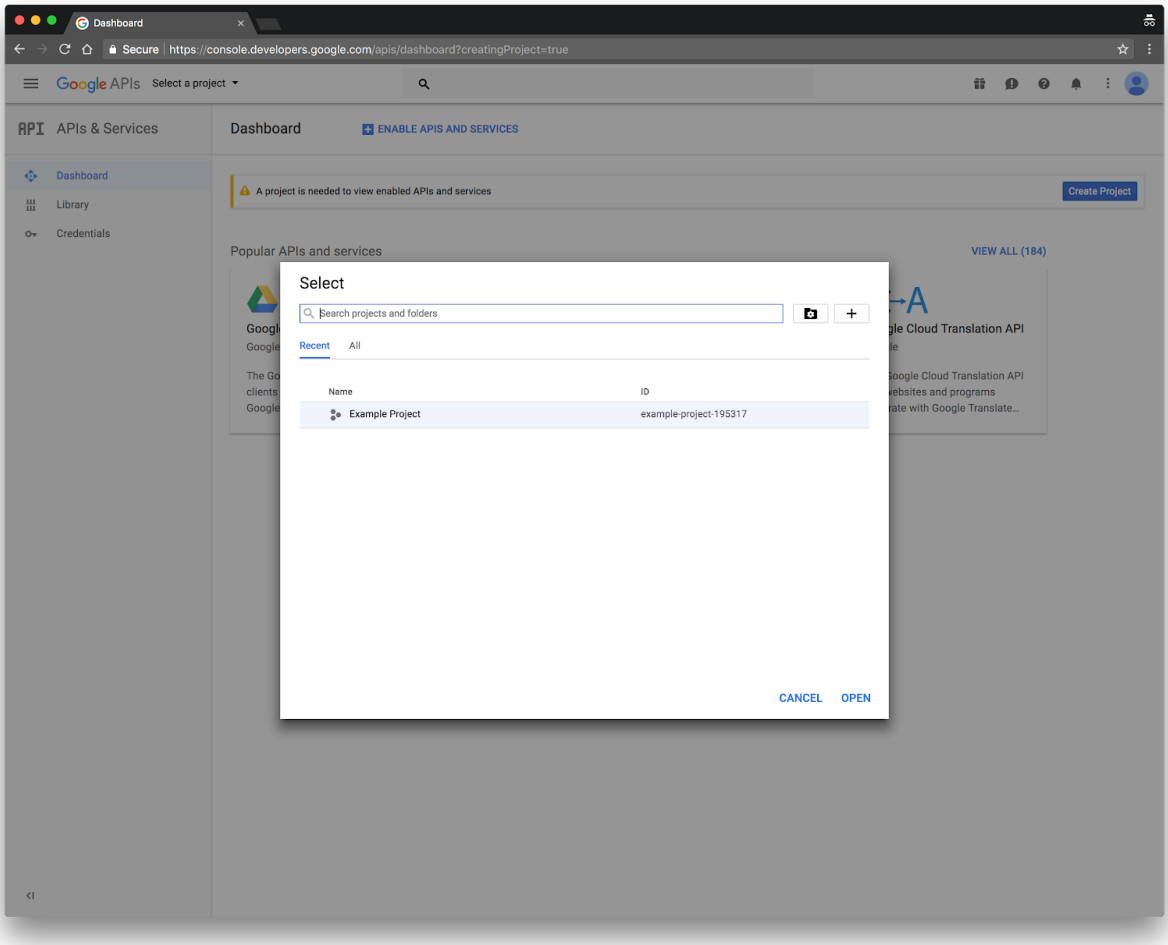
Use the **Plus icon** to add new Project, It will take you to new page asking for **Project Name**



Enter the project name and click “**Create**” to create new project. It’ll take few seconds to create the project.

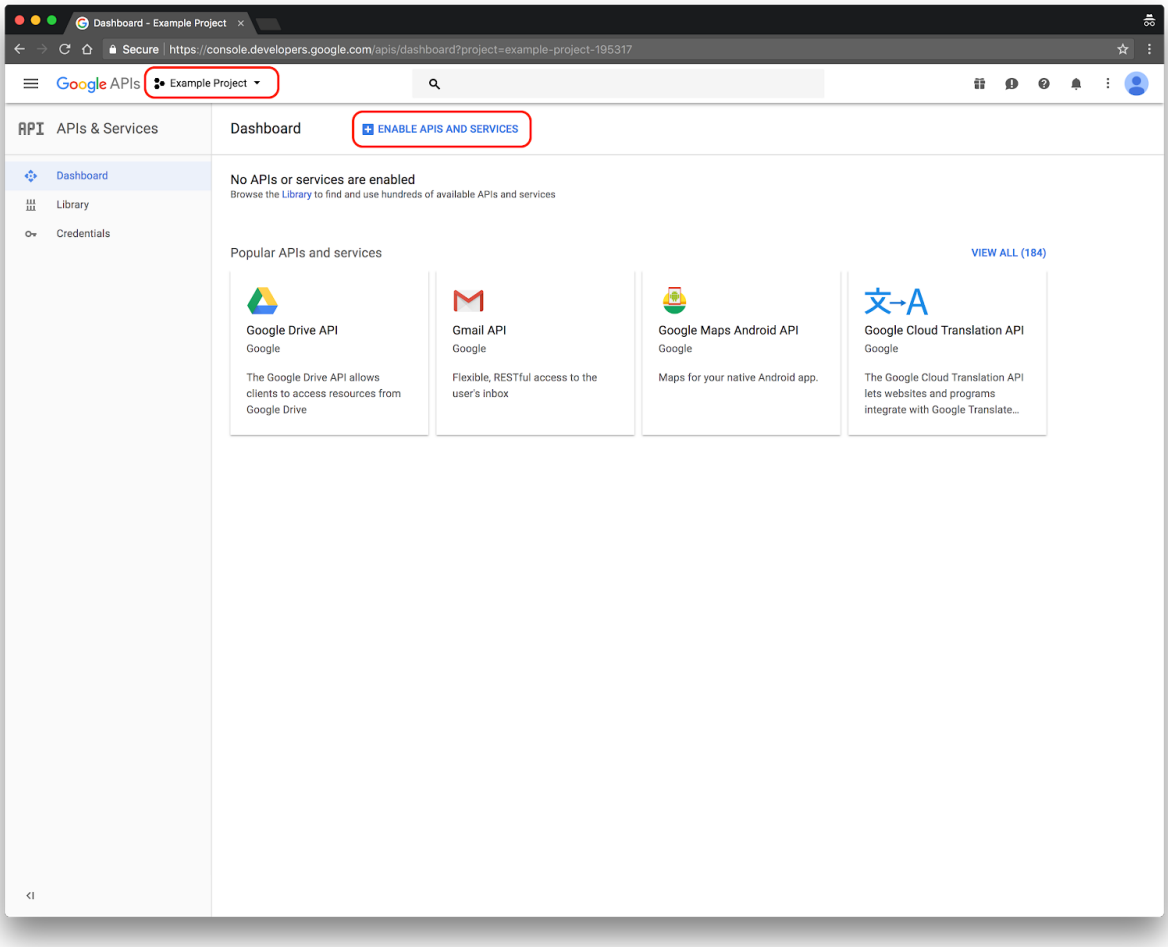


Use the **Project selector** to select the project you just created, Click on the project name to select it.

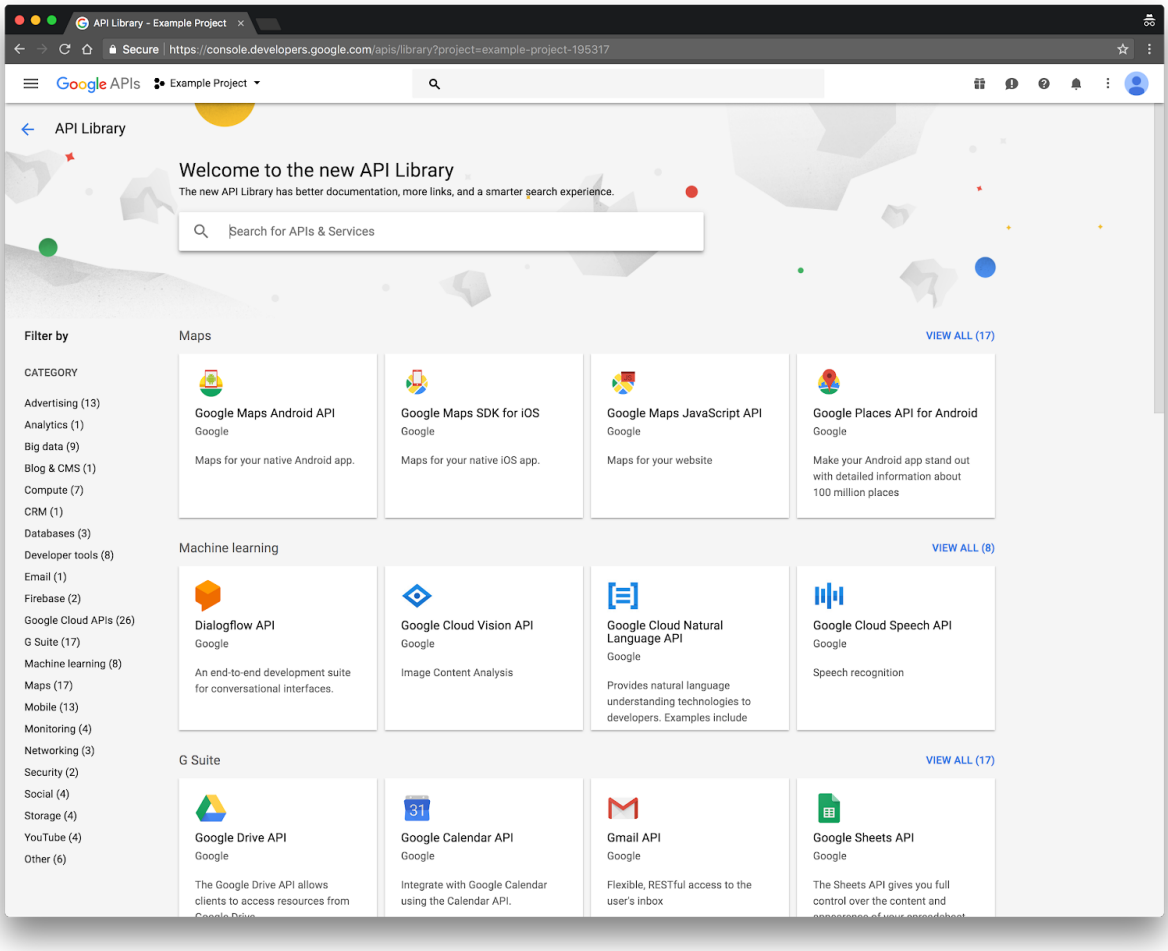


Enable API Services

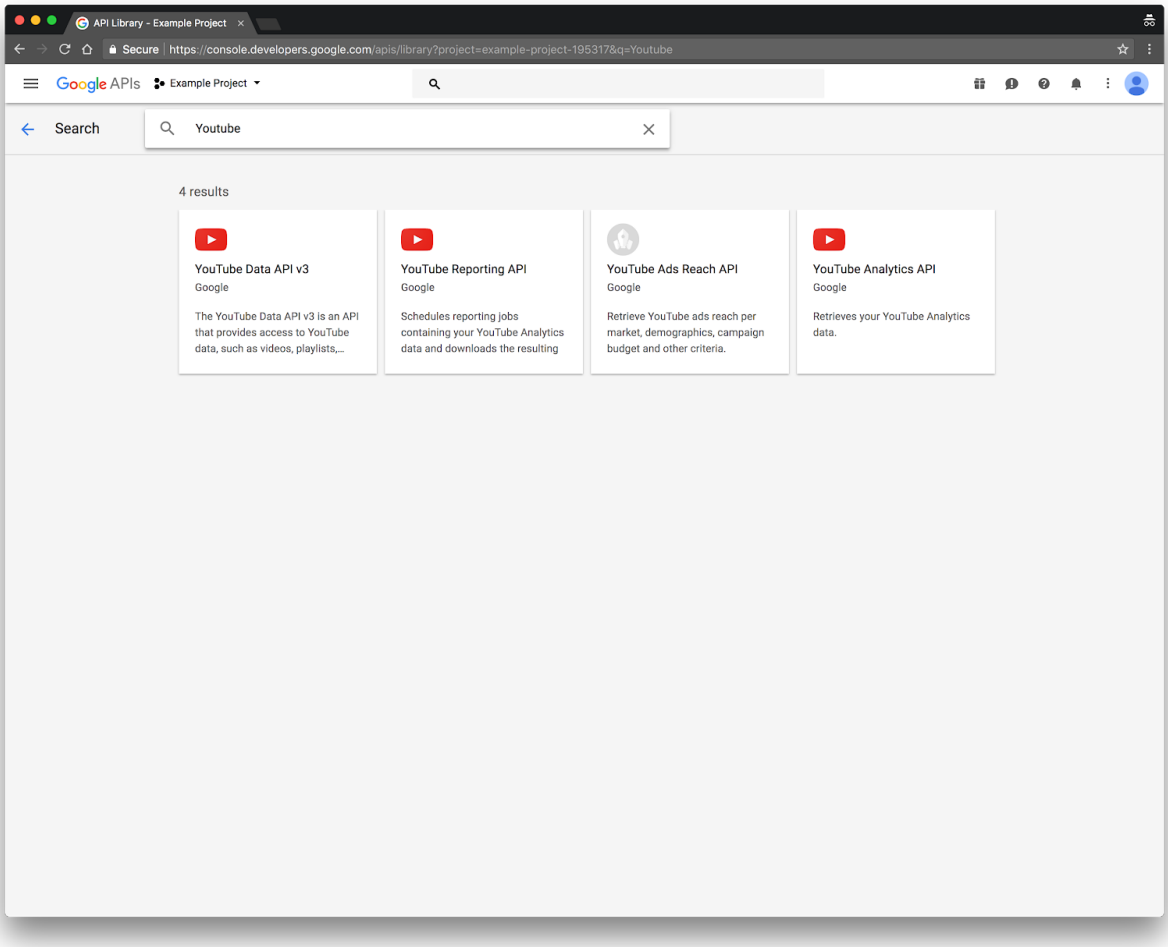
After selecting the project, Click on “**ENABLE APIS AND SERVICES**” button to go the API Library.

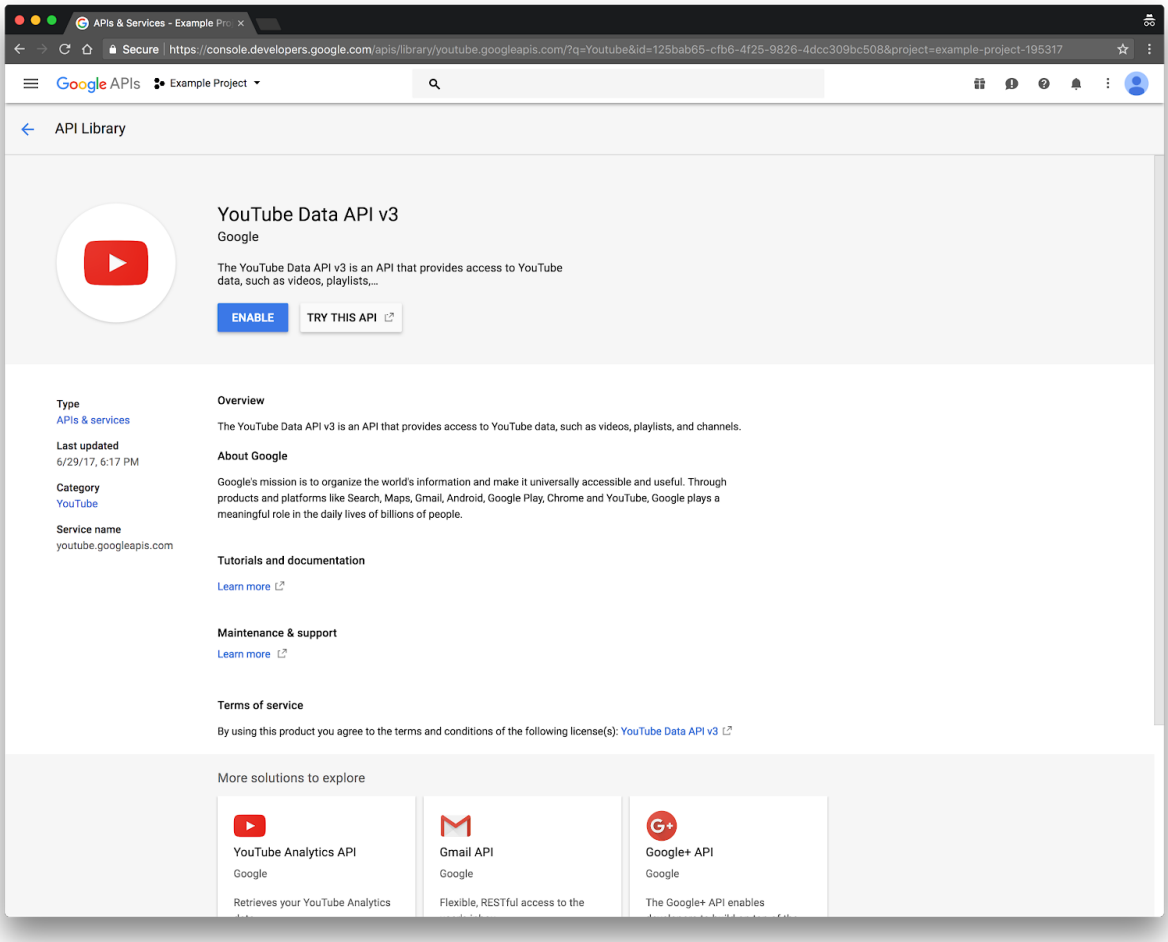


Type **YouTube** in the search bar for API's and Services.

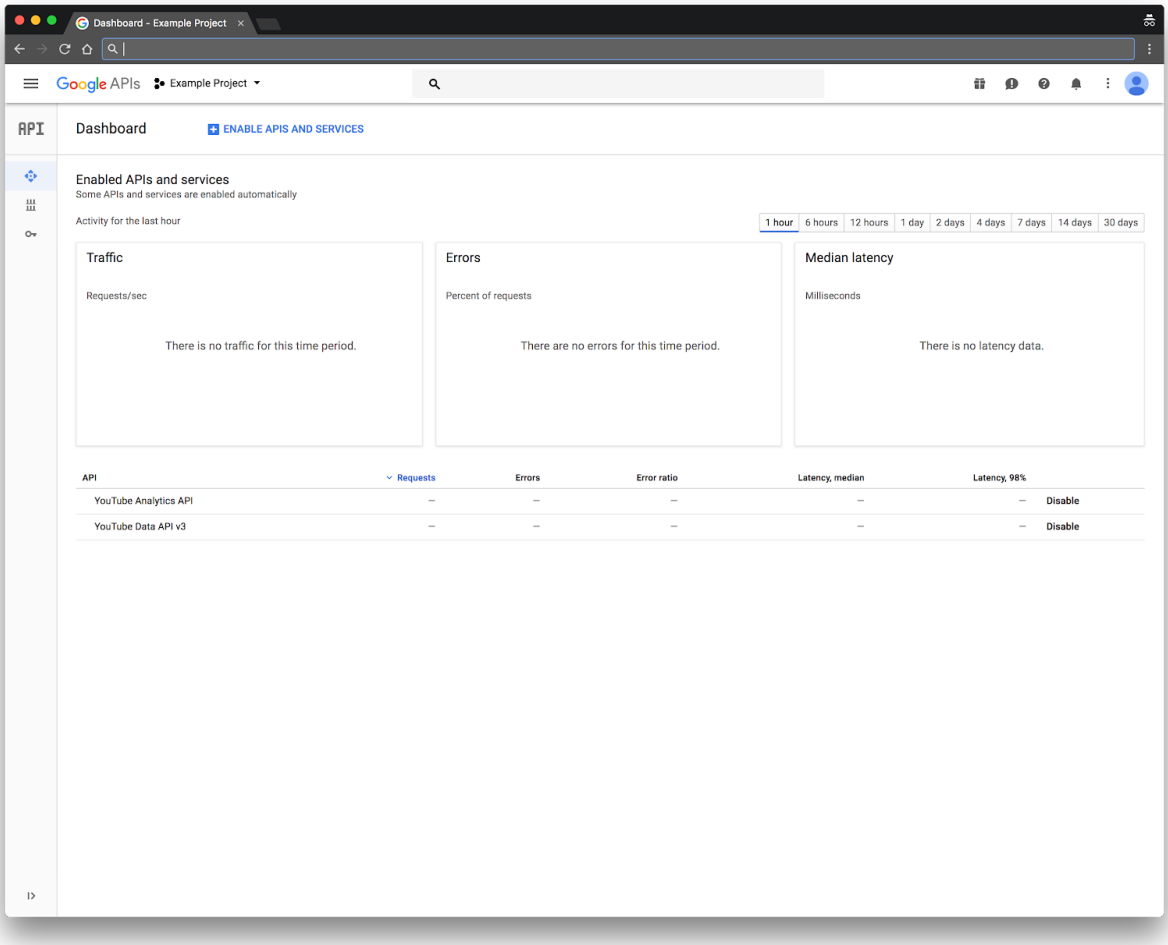


Select “**YouTube Data API v3**” and click “Enable”. Follow the previous steps and enable “**YouTube Analytics API**”



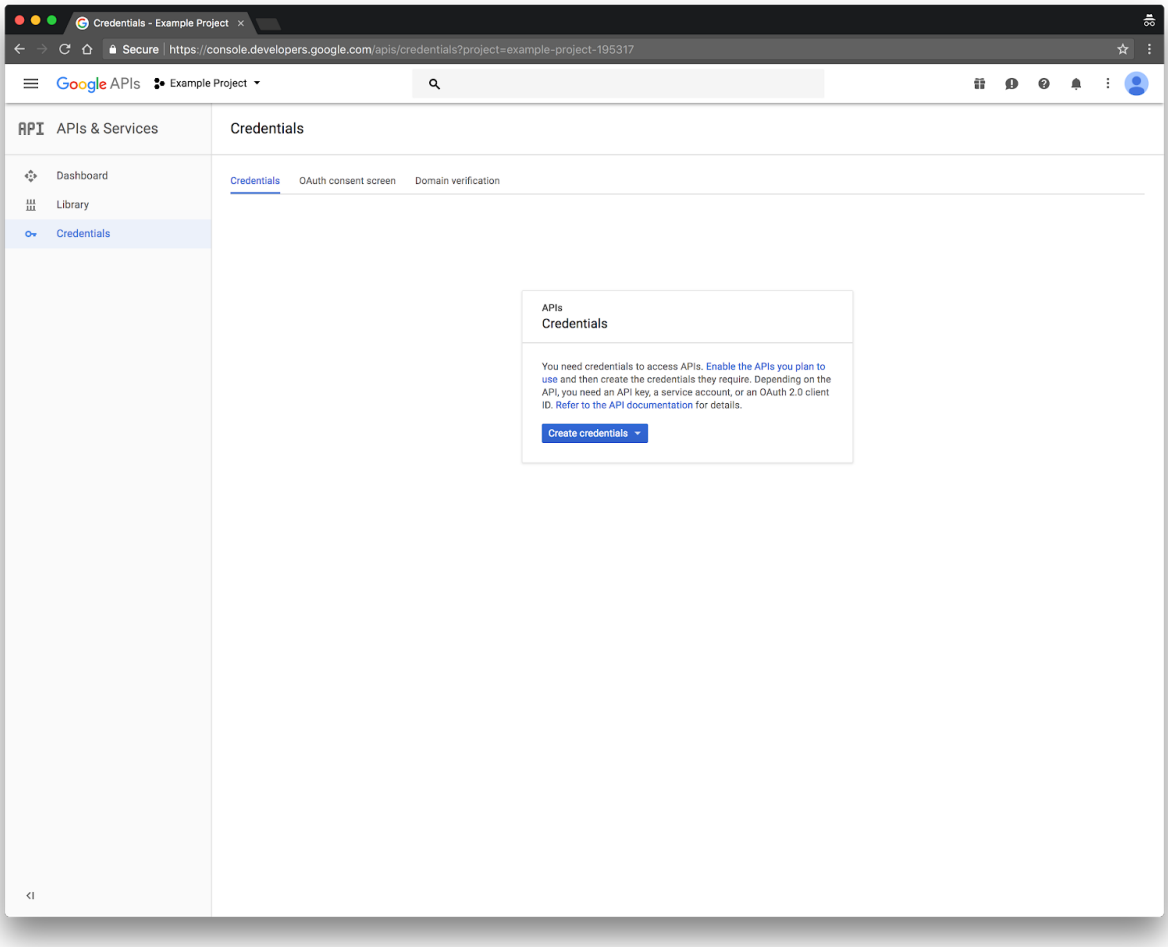

APIs & Services - Example Pro
Secure https://console.developers.google.com/apis/library/youtube.googleapis.com/?q=Youtube&id=125bab65-cfb6-4f25-9826-4dcc309bc508&project=example-project-195317
Google APIs
Example Project
API Library
YouTube Data API v3
Google
The YouTube Data API v3 is an API that provides access to YouTube data, such as videos, playlists,...
ENABLE
TRY THIS API
Type
APIs & services
Last updated
6/29/17, 6:17 PM
Category
YouTube
Service name
youtube.googleapis.com
Overview
The YouTube Data API v3 is an API that provides access to YouTube data, such as videos, playlists, and channels.
About Google
Google's mission is to organize the world's information and make it universally accessible and useful. Through products and platforms like Search, Maps, Gmail, Android, Google Play, Chrome and YouTube, Google plays a meaningful role in the daily lives of billions of people.
Tutorials and documentation
Learn more
Maintenance & support
Learn more
Terms of service
By using this product you agree to the terms and conditions of the following license(s): YouTube Data API v3
More solutions to explore
YouTube Analytics API
Google
Retrieves your YouTube Analytics
Gmail API
Google
Flexible, RESTful access to the
Google+ API
Google
The Google+ API enables

After enabling both “YouTube Data API v3” and “YouTube Analytics API”, Open the dashboard page and you should be able to see names of both the API’s under “**API**”

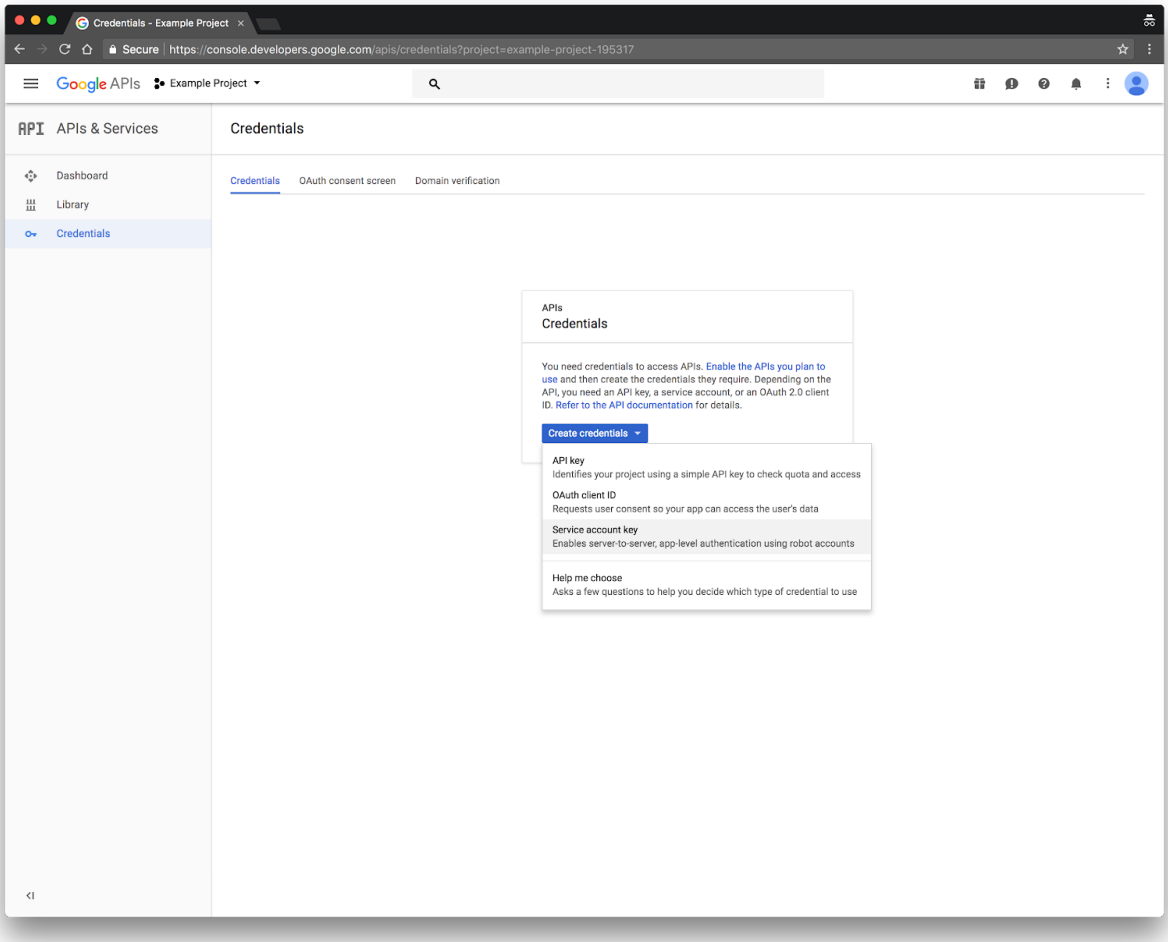


Create Service Account

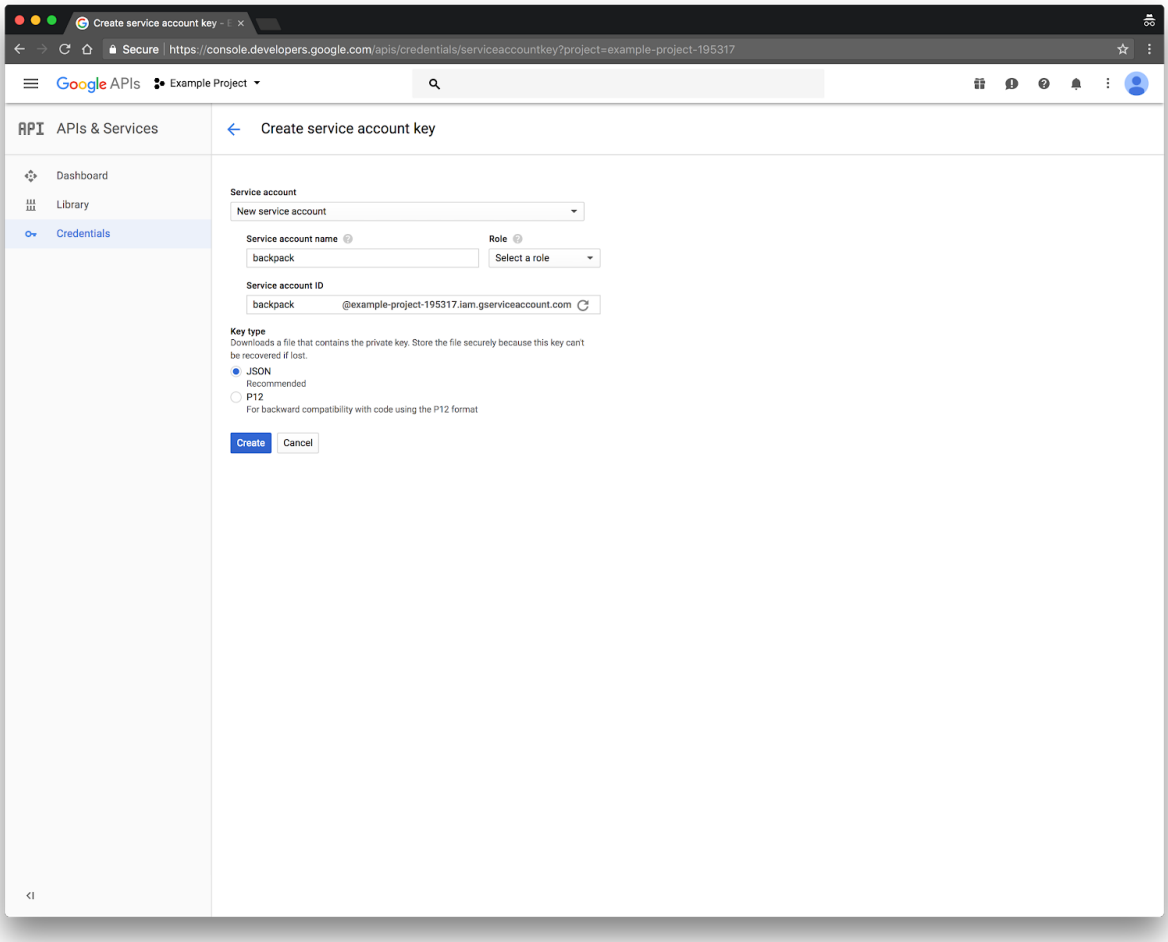
Open the dashboard and click on “**Credentials**” on the left sidebar.



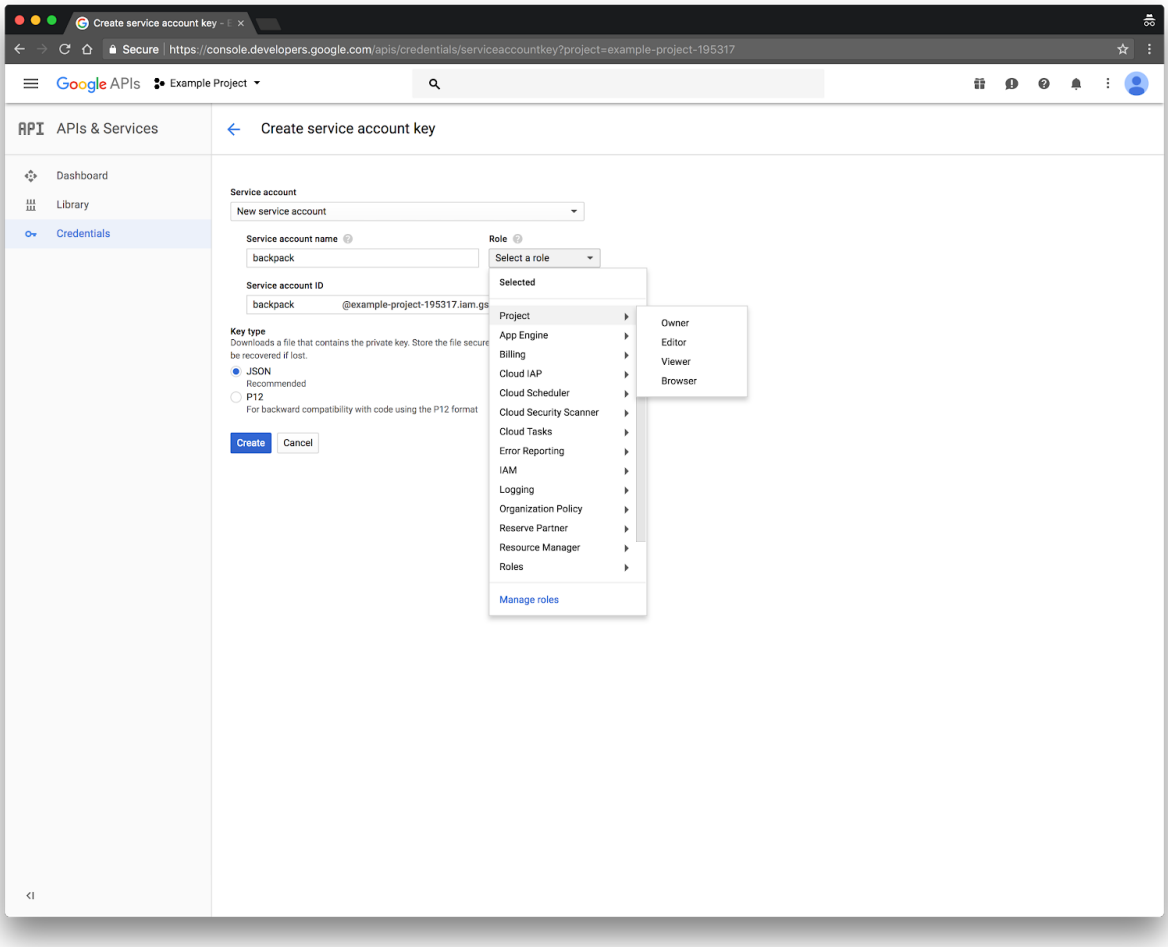
Click on “**Create Credentials**” and select “**Service account key**” to create new service account.



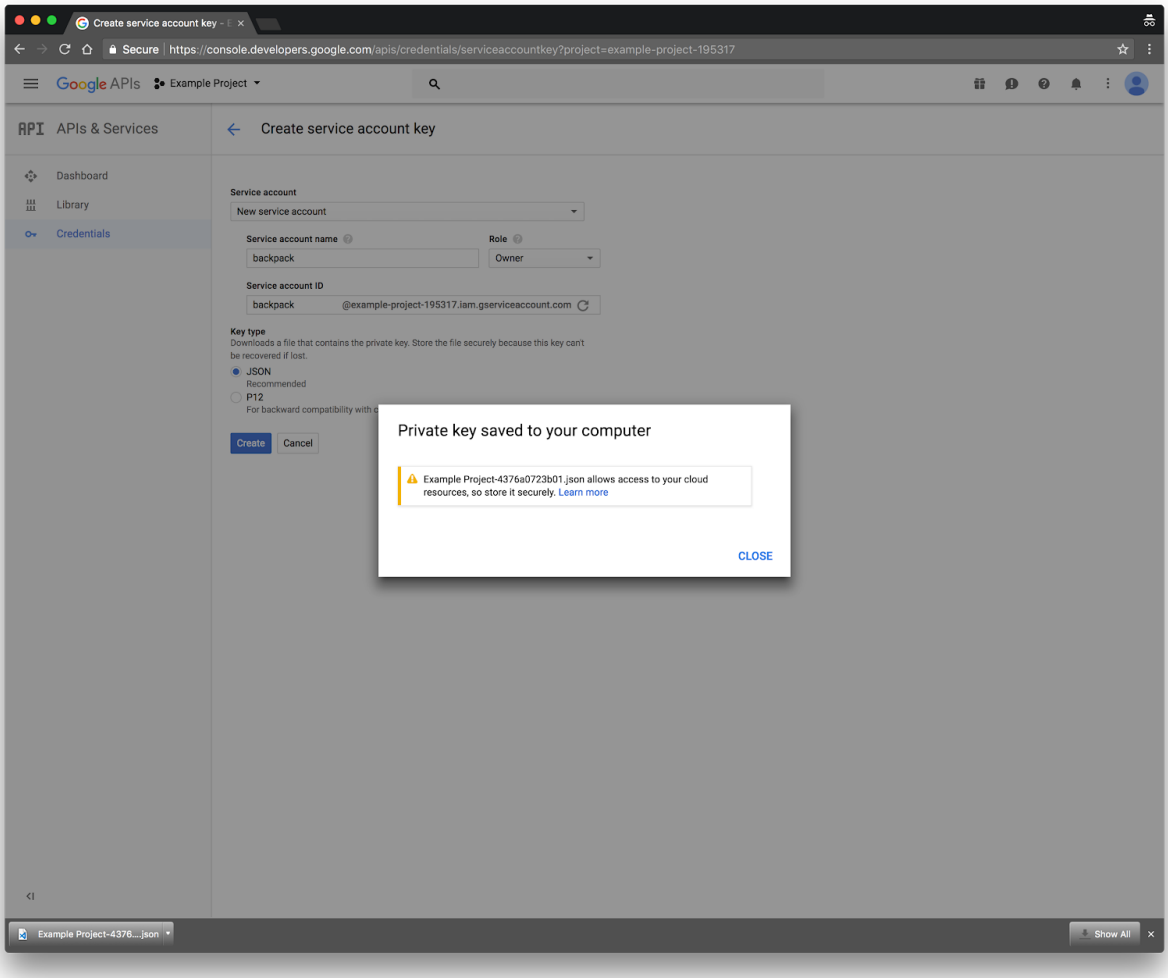
Under “**Service account**” select “**New service account**” to add new service account. Fill the service account name form with the name of the service account and select the Key type to be JSON



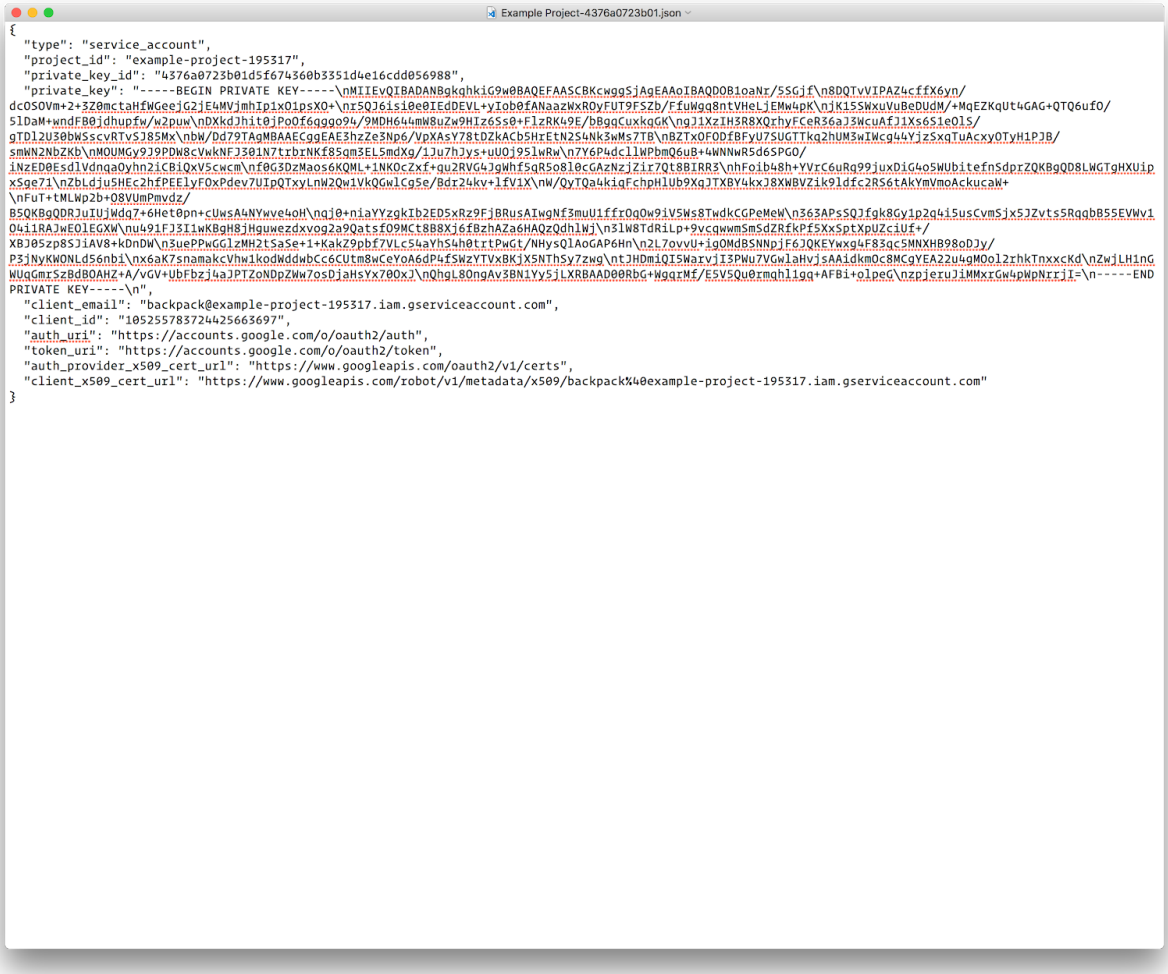
Click on “**Role**” and select “**Owner**” under “**Project**”, Click “**Create**” to create new service account.



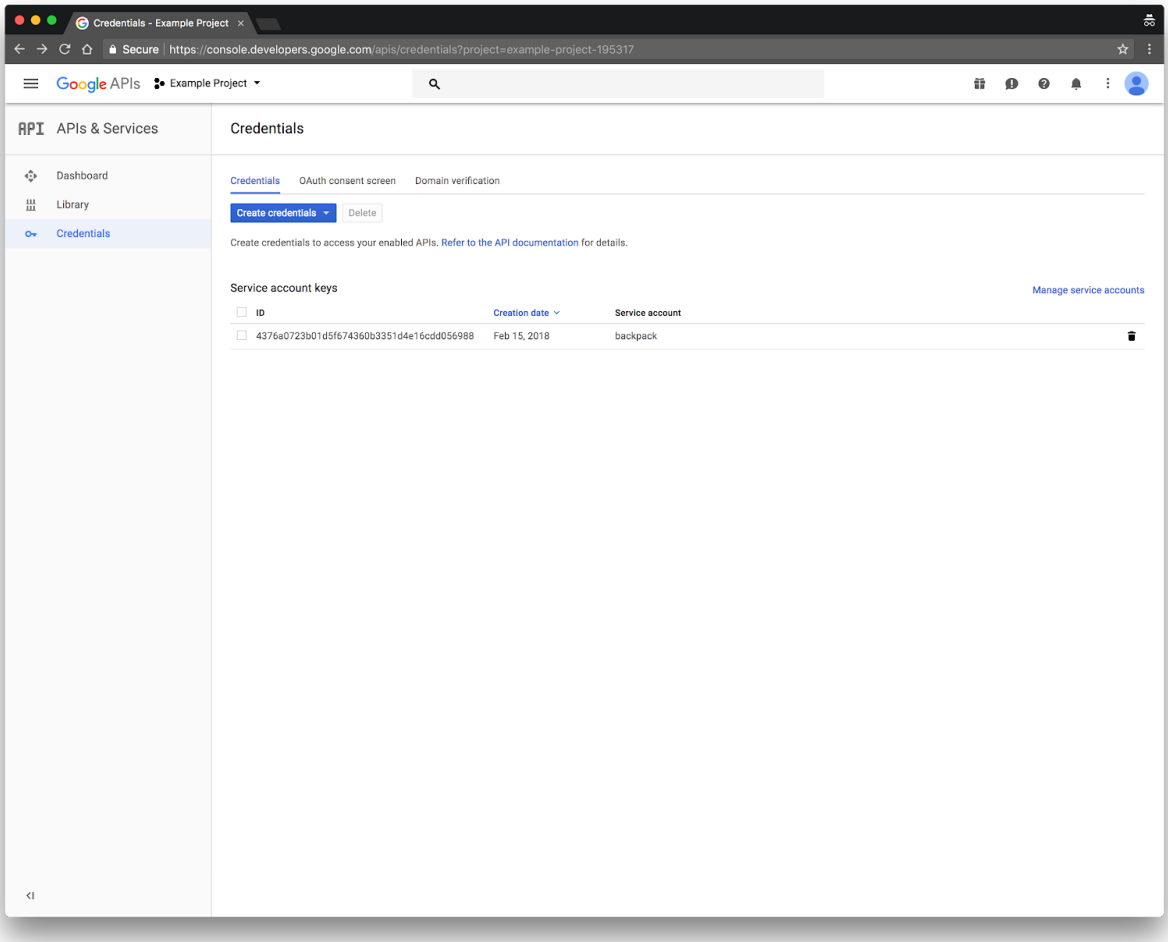
After clicking on create, service account credentials are automatically downloaded on to your computer.



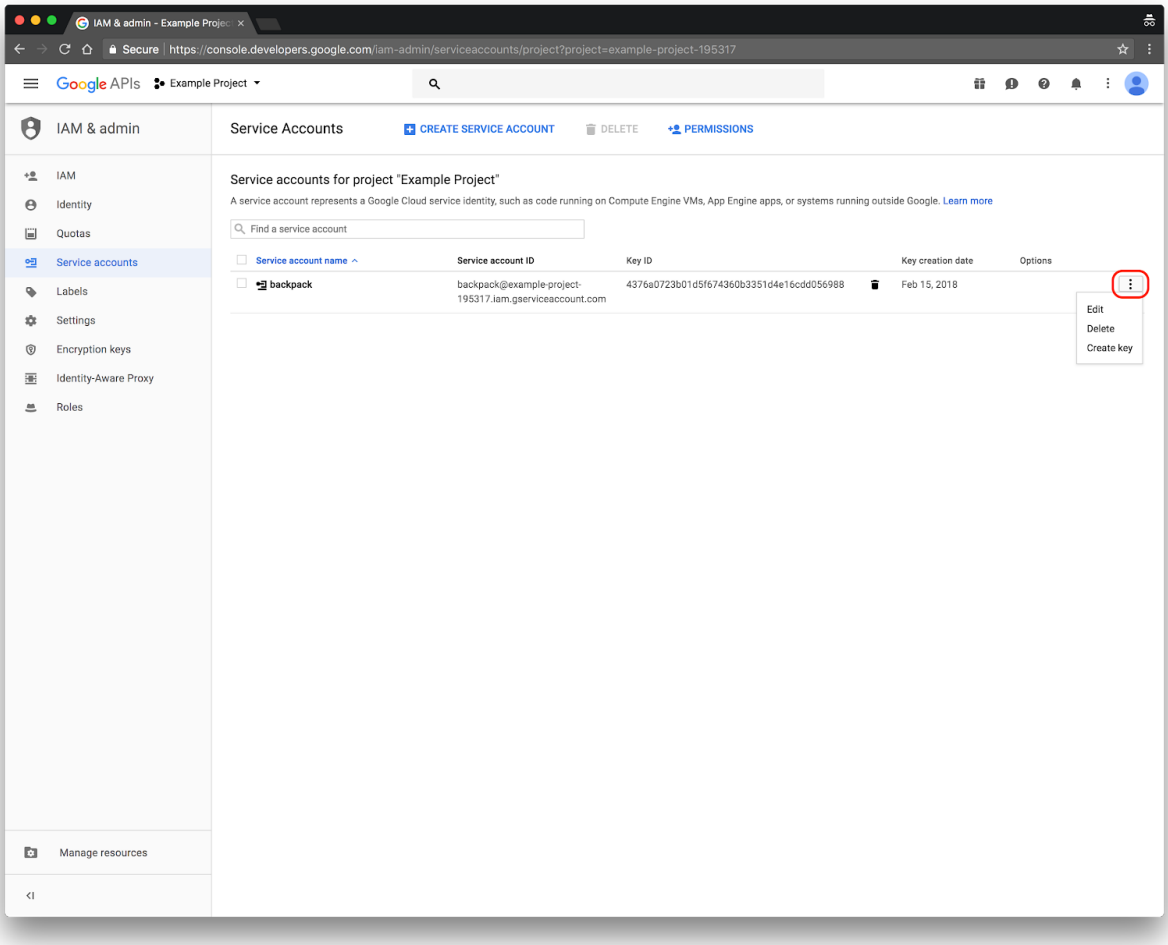
If you open the downloaded JSON file in the text editor it should look similar to the following:



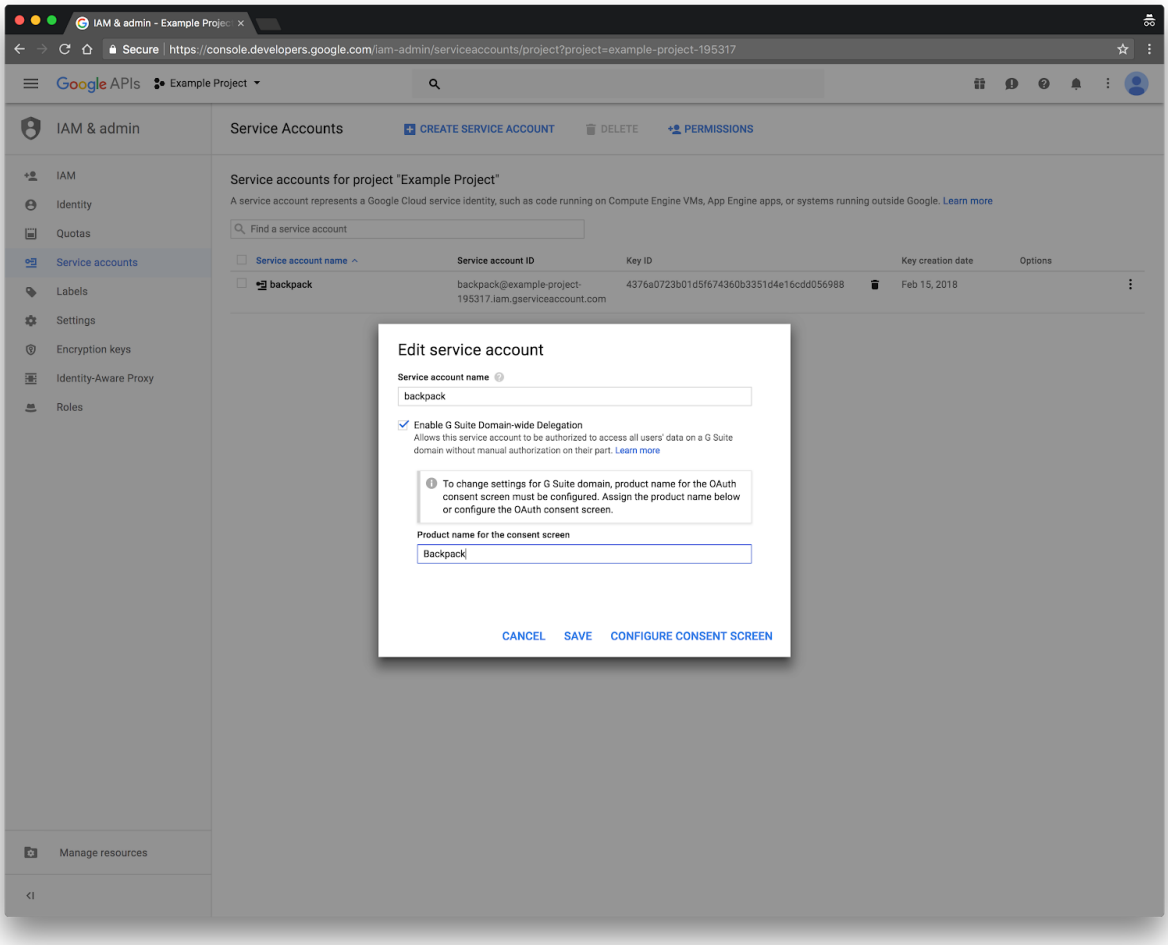
Open Credentials page and click on “**Manage service accounts**” next to “Service account keys”.



Clock “**Options Icon**” on the far right side of the service account you just created and click on “**Edit**”



Check “**Enable G-Suite Domain-wide delegation**”, Enter the name in the form below it and click “**Save**”



Domain Wide Delegation Setup

The service account needs to be granted access to the G Suite domain's user data. Ask you G Suite domain administrator to follow the below steps to set it up.

1. Go to your G Suite domain's Admin console.
2. Select **Security** from the list of controls. If you don't see **Security** listed, select **More controls** from the gray bar at the bottom of the page, then select **Security** from the list of controls.
3. Select **Advanced settings** from the list of options.
4. Select **Manage API client access** in the **Authentication** section.
5. In the **Client name** field enter the service account's **Client ID**.
6. In the **One or More API Scopes** field enter the following list of scopes to enable Service account to access your youtube account
    a. https://www.googleapis.com/auth/youtubepartner
    b. https://www.googleapis.com/auth/youtube
    c. https://www.googleapis.com/auth/youtube.upload
    d. https://www.googleapis.com/auth/youtube.force-ssl
7. Click the **Authorize** button.

YouTube Account Setup (Personal)

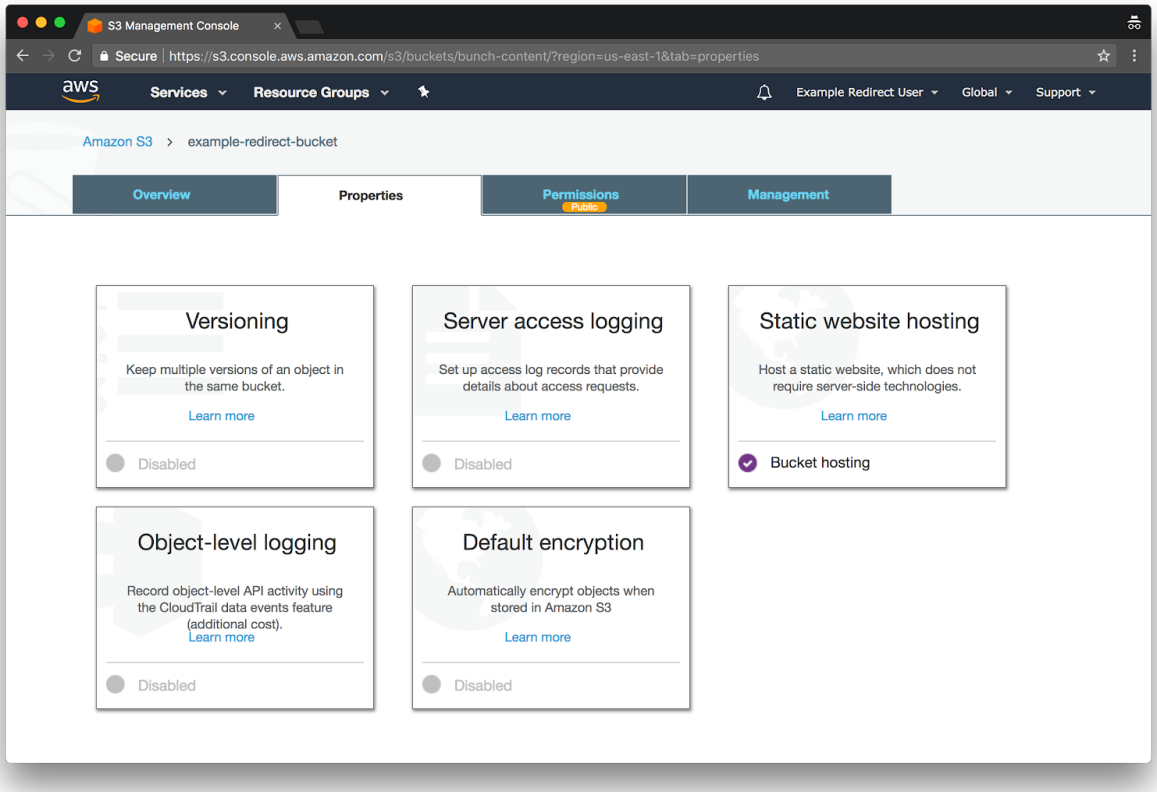
Preparations

In order to link a personal YouTube account to Backpack, you need a OAuth Client ID from Google. Proceed with the following steps to create the OAuth Client.

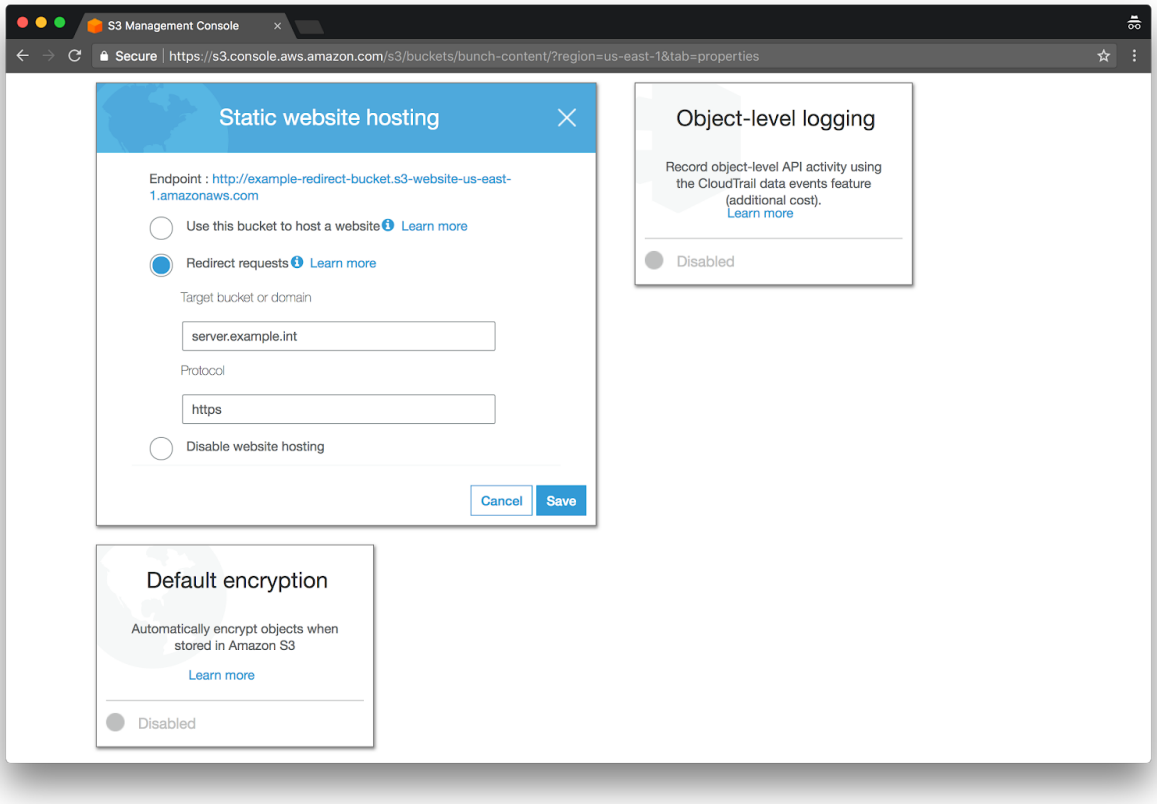
Redirect URL Setup

Personal YouTube account authorization requires the user to to a URL with a standard top level domain like **.com** or **.org**. If the Backpack server is hosted on a internal top level domain domain, like **.int** a URL redirect will be required. **Please consult with your system administrator for information and policies regarding external URLs.** If your Backpack server is not hosted on an internal domain you can proceed to the Create Project step.

Amazon offers a straightforward redirect mechanism to redirect to AWS S3 which can be set up using the Amazon S3 console. Create a new S3 bucket, navigate to the **Properties** tab and click **Static Website hosting**.

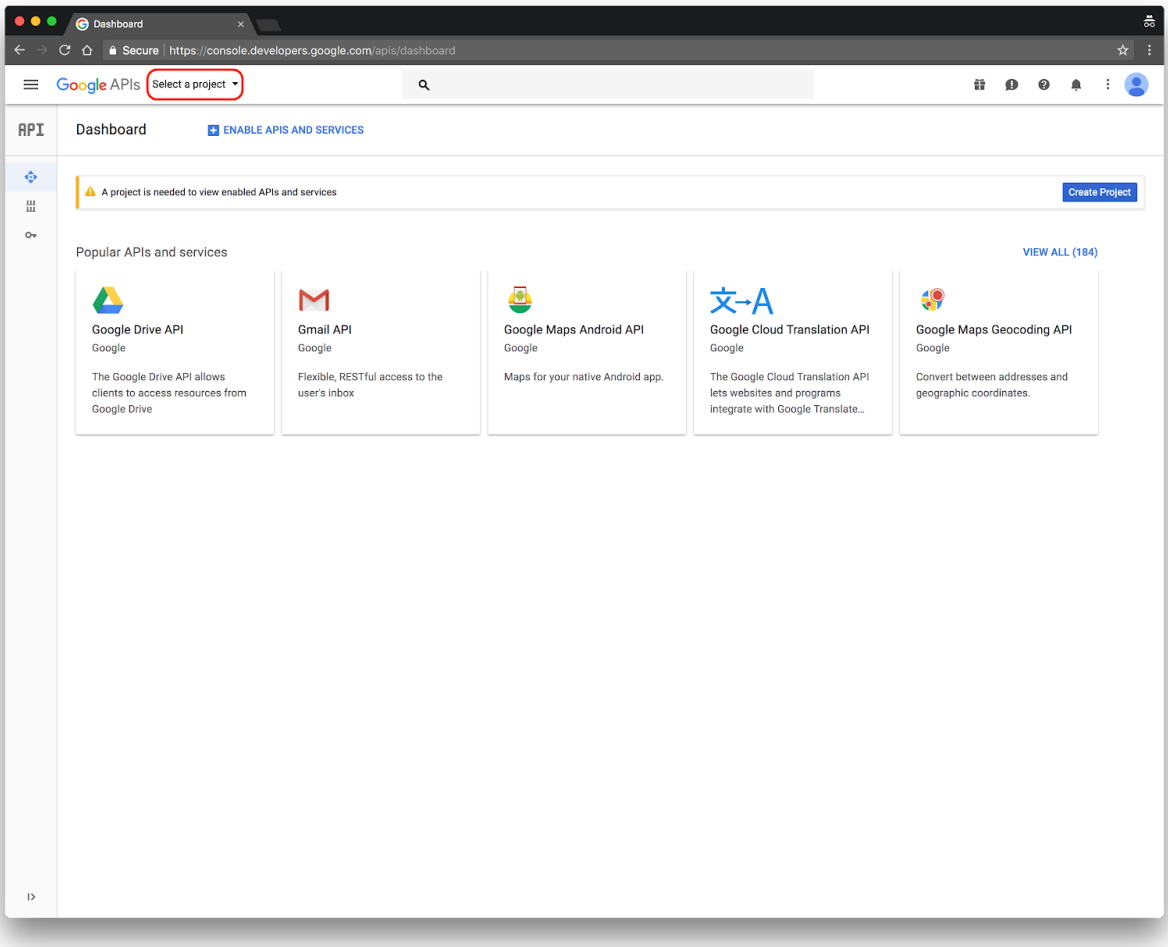


From the **Static website hosting** panel, enter the Backpack server's internal domain and protocol. The bucket URL should now redirect to your internal domain, and can be used as the **Authorized redirect URI** required in subsequent steps.

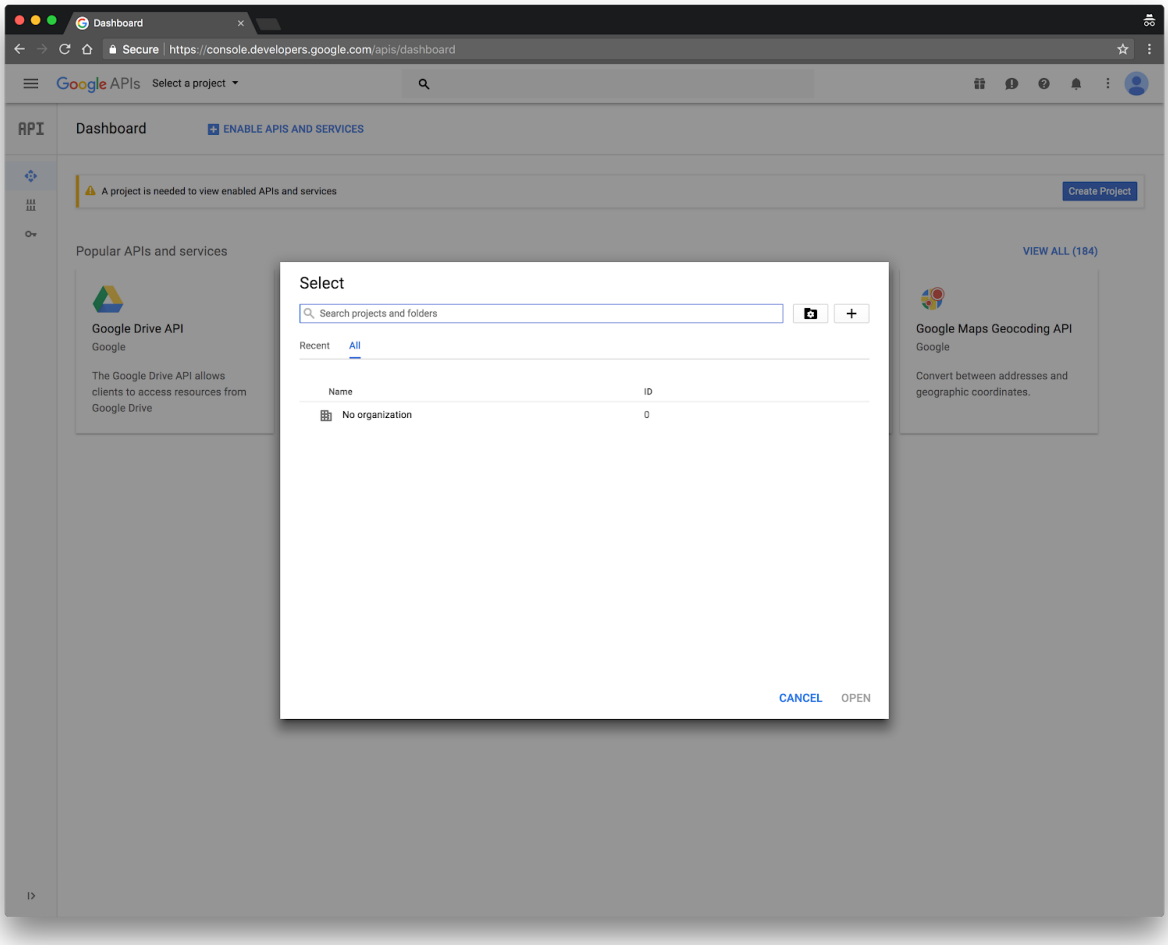


Create Project

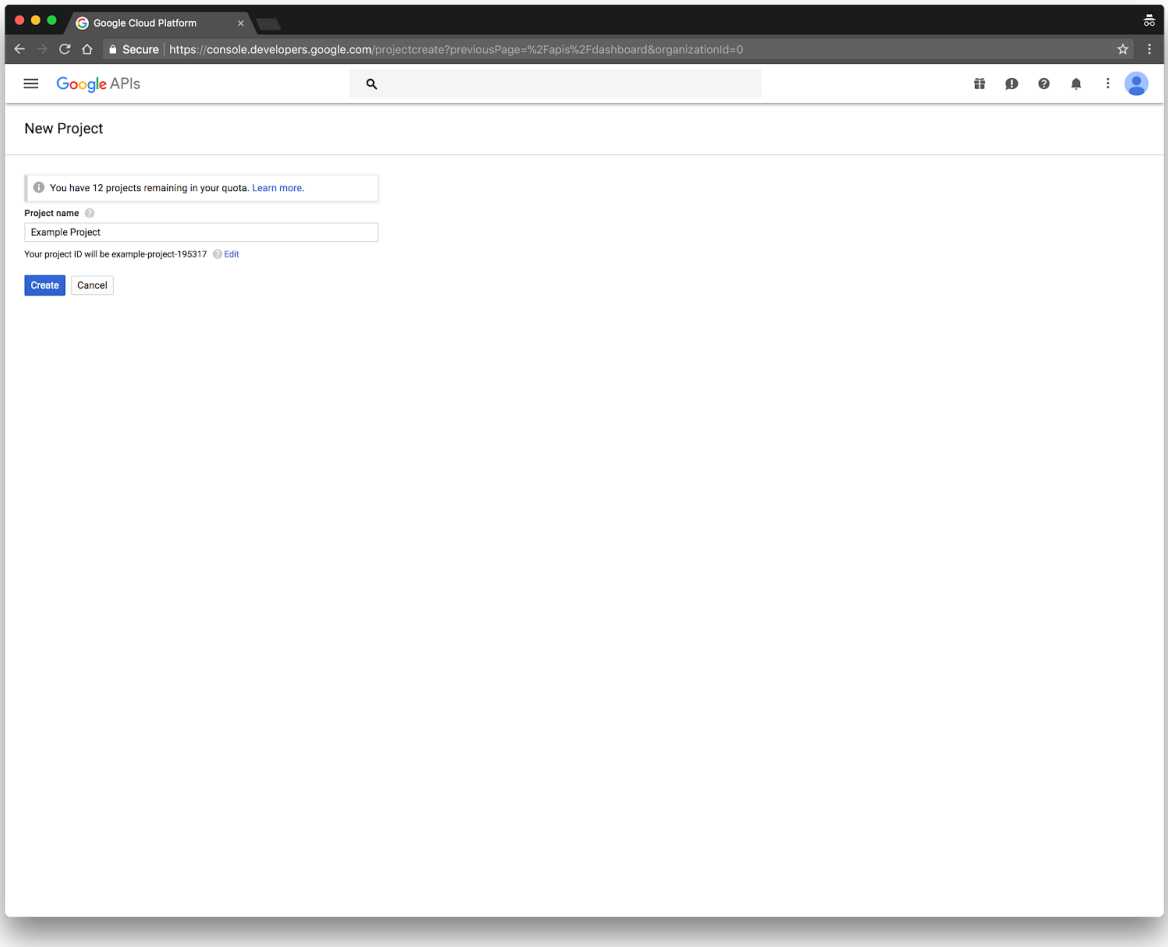
Open [Google Developer Console](), Use the **Project selector** on the top left corner of the page to create a new project.



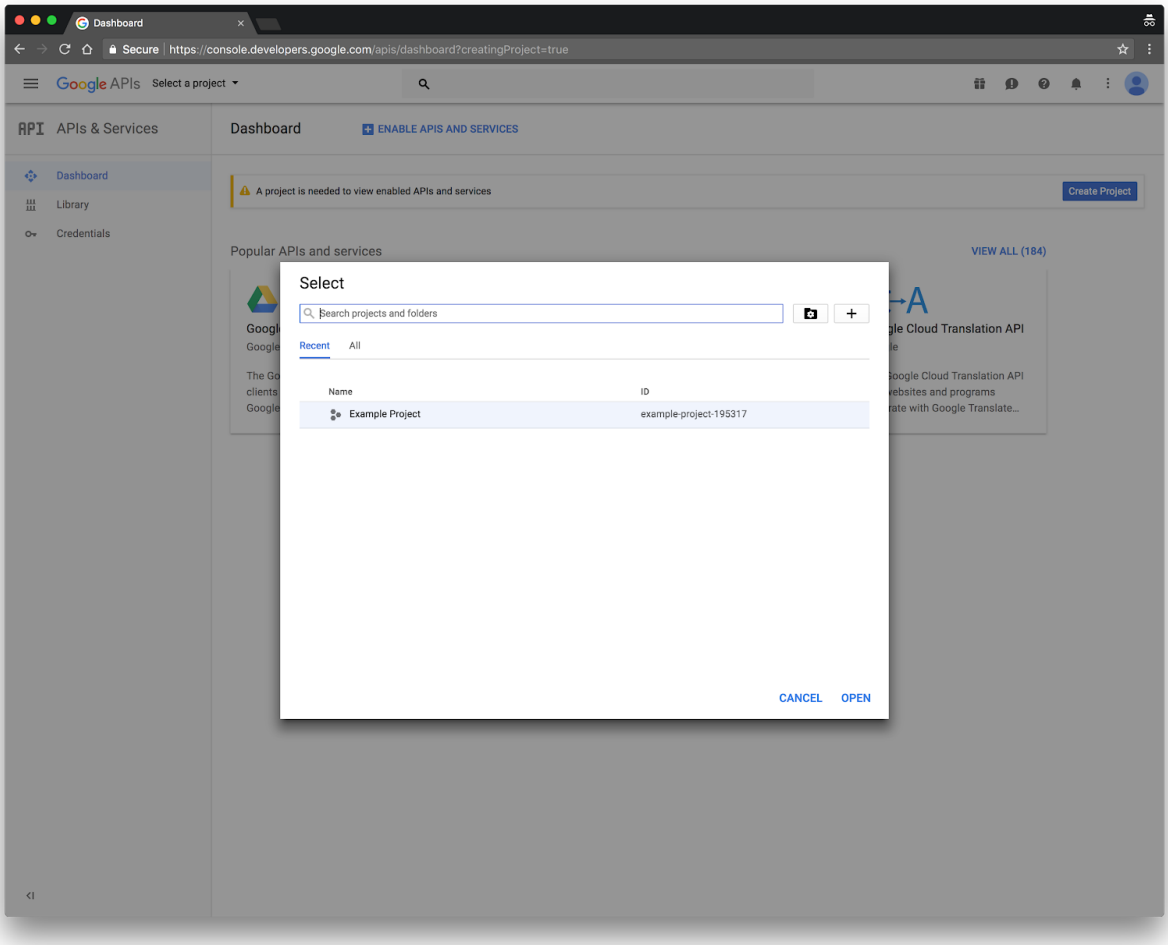
Use the **Plus icon** to add new Project, It will take you to new page asking for **Project Name**


Dashboard
Secure https://console.developers.google.com/apis/dashboard
Google APIs Select a project
API
Dashboard
ENABLE APIS AND SERVICES
A project is needed to view enabled APIs and services
Create Project
Popular APIs and services
VIEW ALL (184)
Google Drive API
Google
The Google Drive API allows clients to access resources from Google Drive
Google Maps Geocoding API
Google
Convert between addresses and geographic coordinates.
Select
Search projects and folders
Recent
All
Name
ID
No organization
0
CANCEL
OPEN

Enter the project name and click “**Create**” to create new project. It’ll take few seconds to create the project.

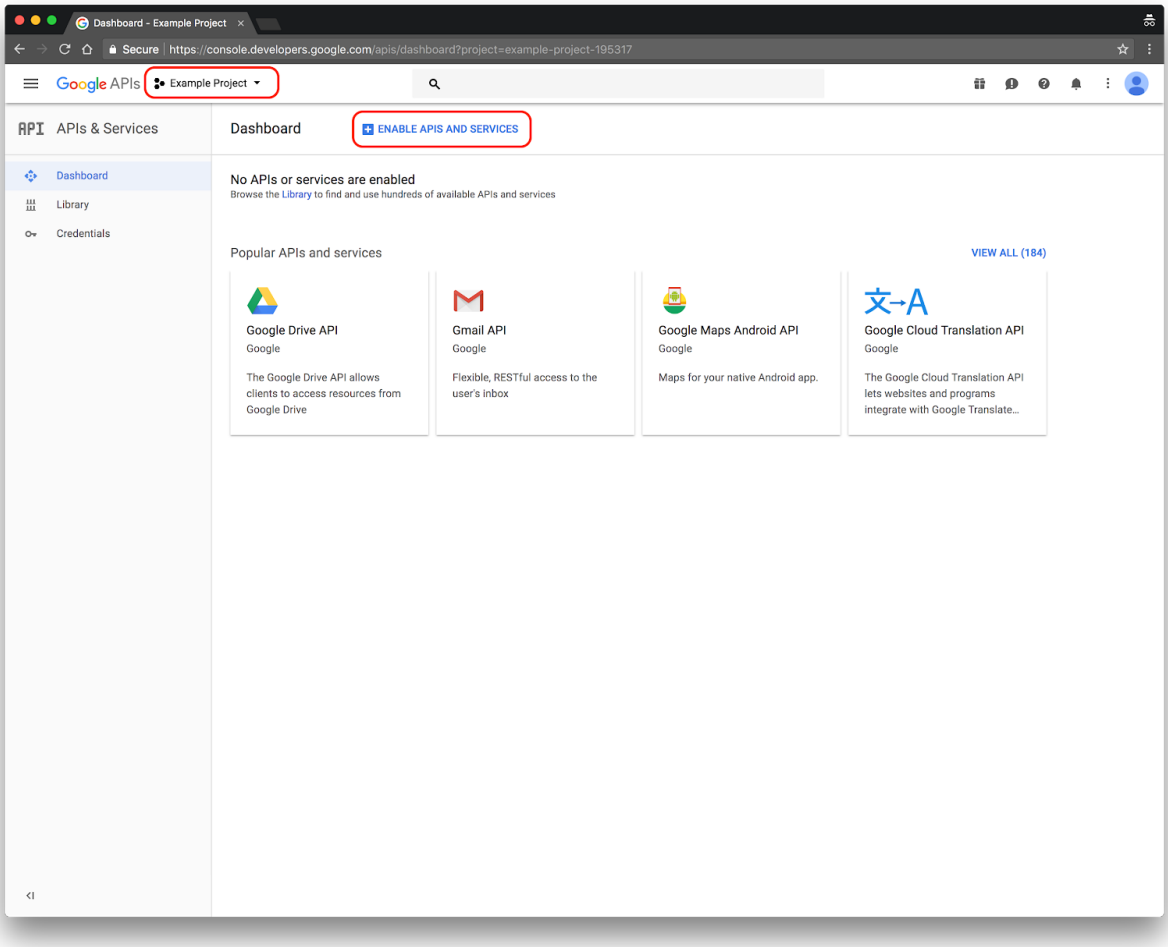


Use the **Project selector** to select the project you just created, Click on the project name to select it.

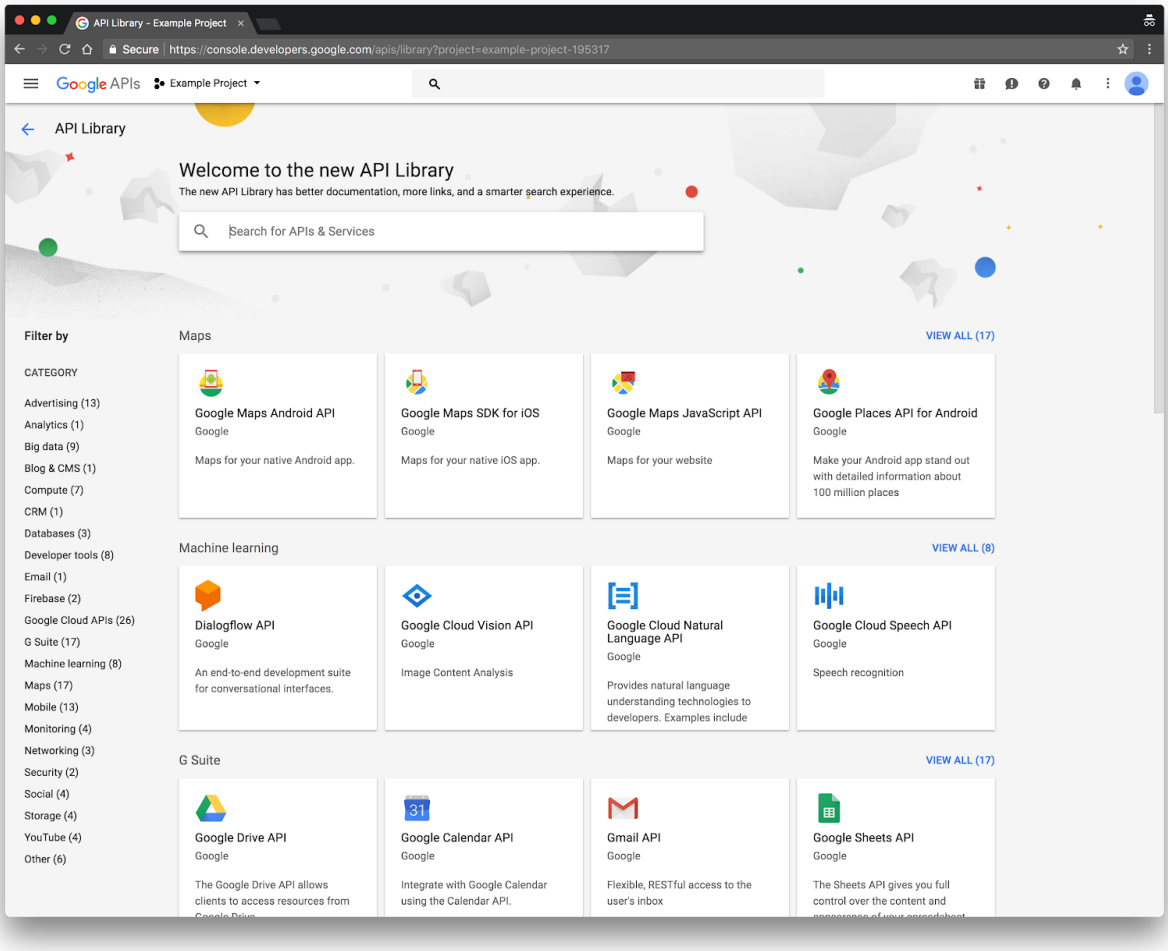


Enable API Services

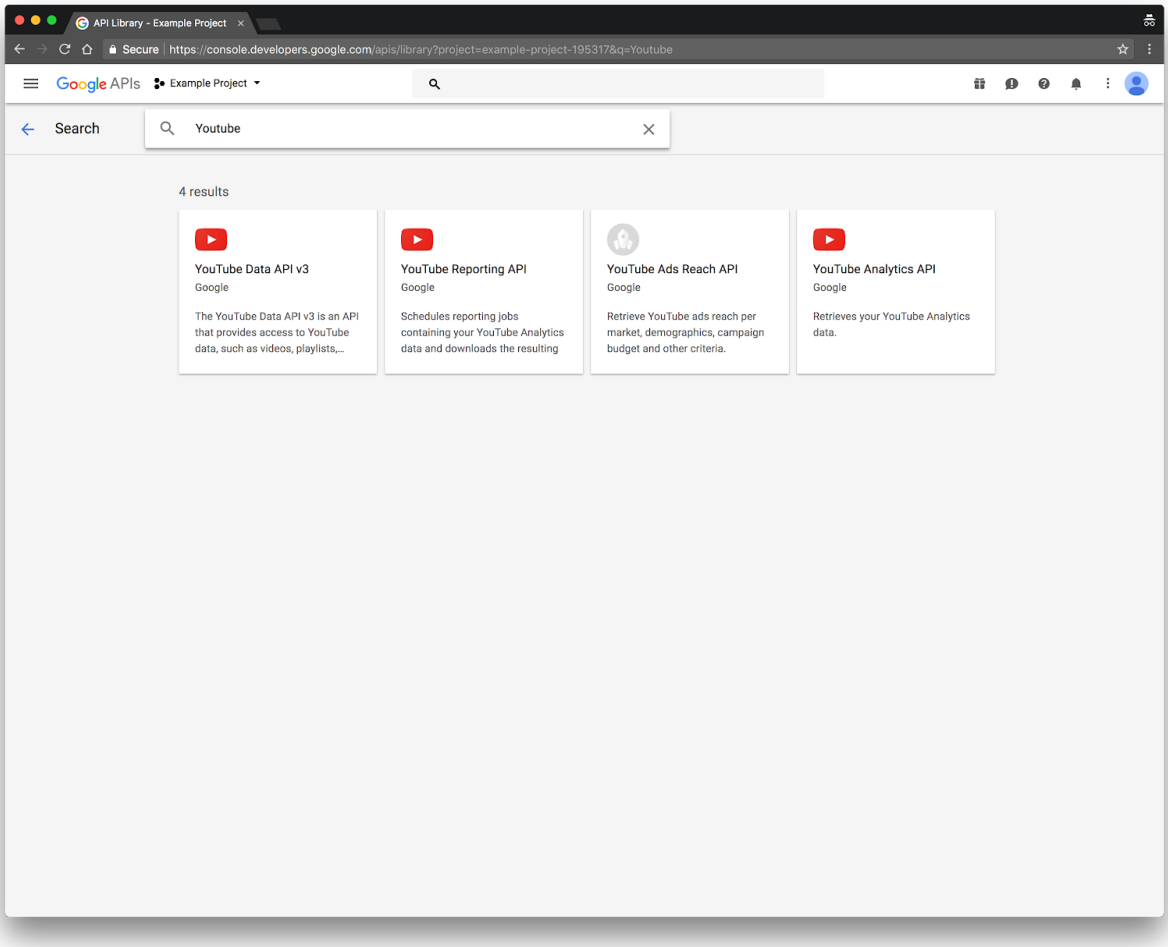
After selecting the project, Click on “**ENABLE APIS AND SERVICES**” button to go the API Library.

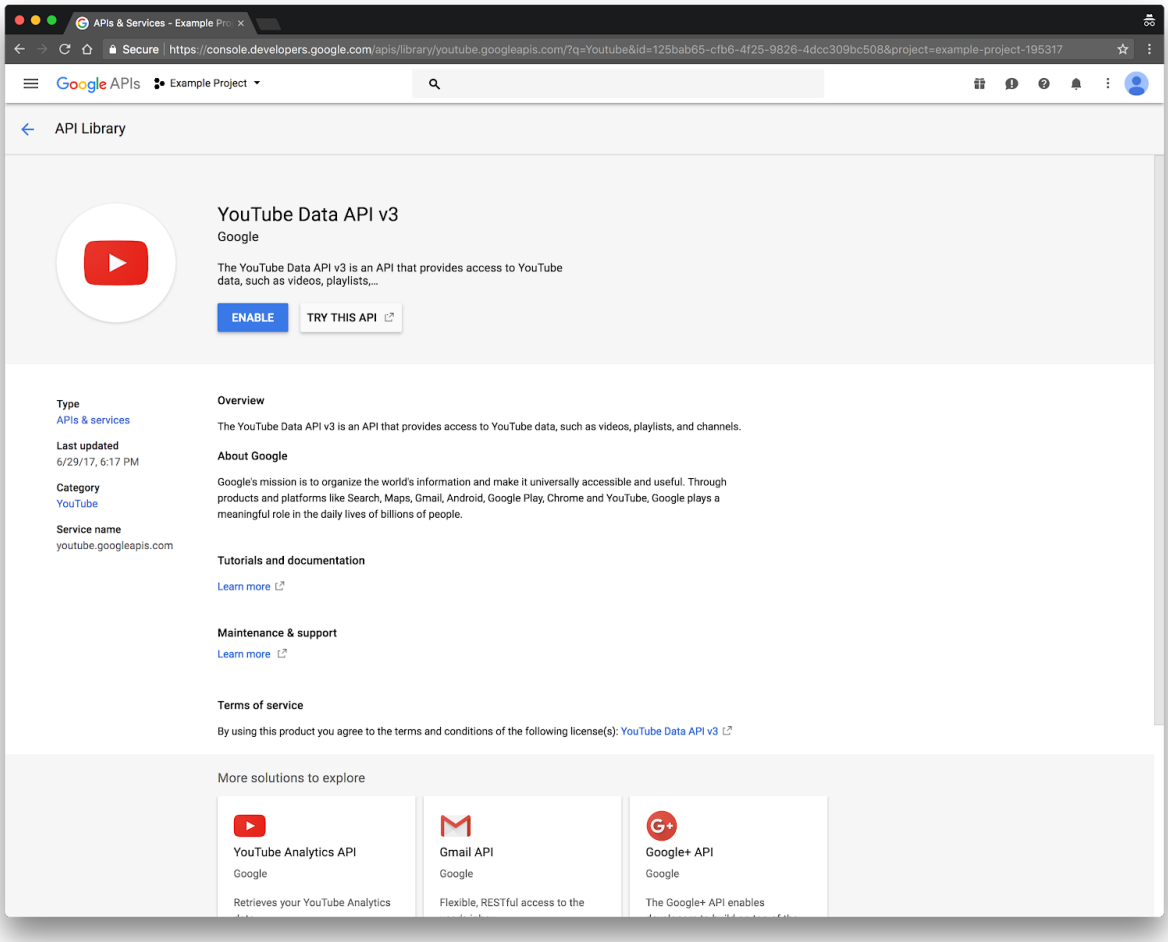


Type **YouTube** in the search bar for API's and Services.

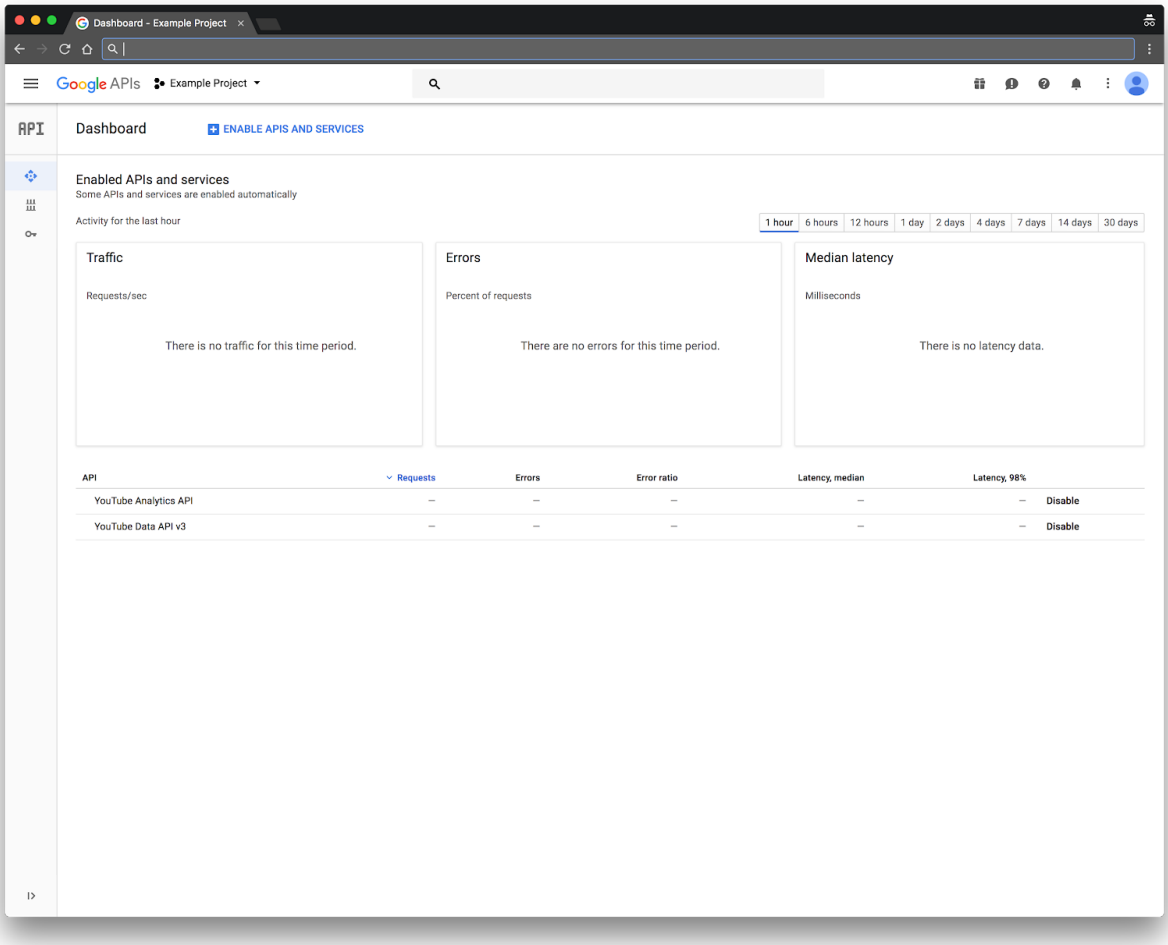


Select “**YouTube Data API v3**” and click “Enable”. Follow the previous steps and enable “**YouTube Analytics API**”



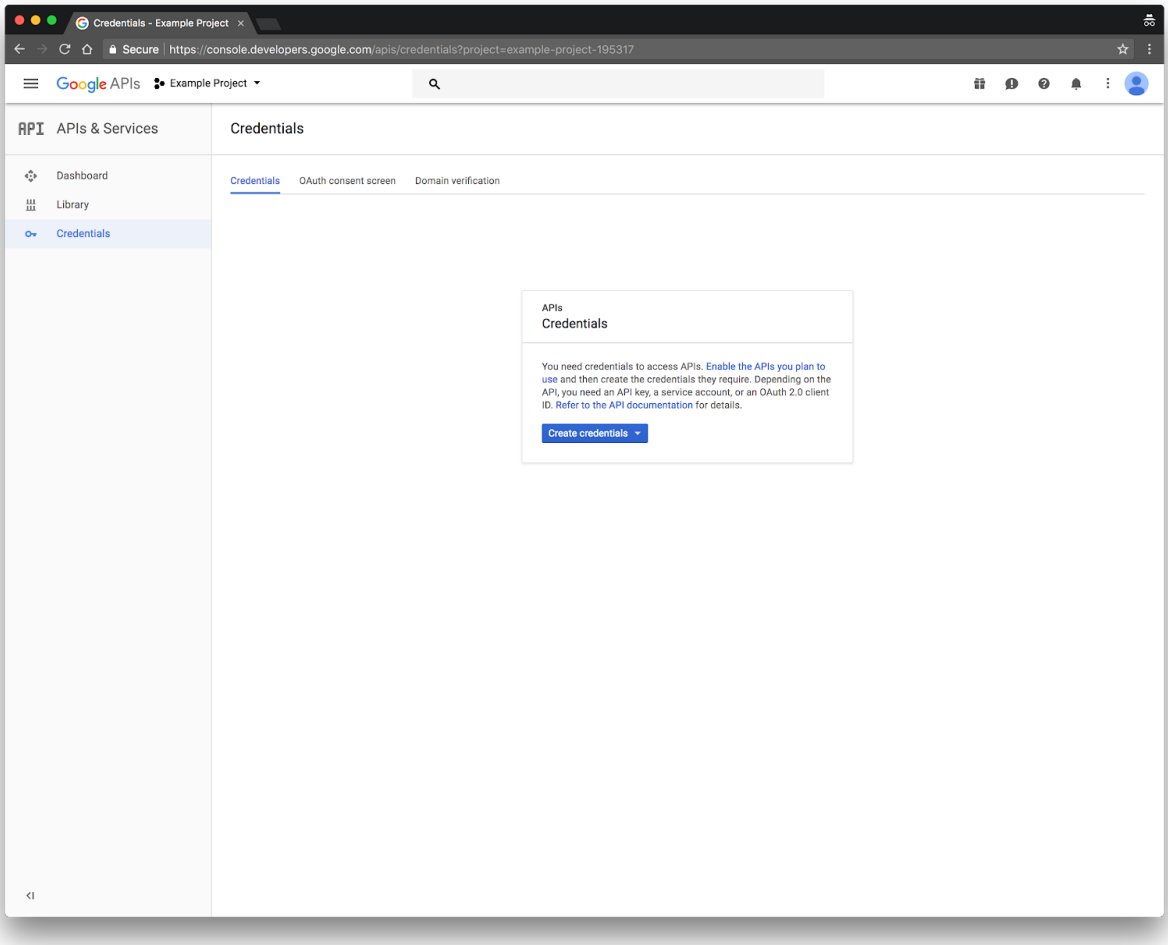

APIs & Services - Example Pro
Secure https://console.developers.google.com/apis/library/youtube.googleapis.com/?q=Youtube&id=125bab65-cfb6-4f25-9826-4dcc309bc508&project=example-project-195317
Google APIs
Example Project
API Library
YouTube Data API v3
Google
The YouTube Data API v3 is an API that provides access to YouTube data, such as videos, playlists,...
ENABLE
TRY THIS API
Type
APIs & services
Last updated
6/29/17, 6:17 PM
Category
YouTube
Service name
youtube.googleapis.com
Overview
The YouTube Data API v3 is an API that provides access to YouTube data, such as videos, playlists, and channels.
About Google
Google's mission is to organize the world's information and make it universally accessible and useful. Through products and platforms like Search, Maps, Gmail, Android, Google Play, Chrome and YouTube, Google plays a meaningful role in the daily lives of billions of people.
Tutorials and documentation
Learn more
Maintenance & support
Learn more
Terms of service
By using this product you agree to the terms and conditions of the following license(s): YouTube Data API v3
More solutions to explore
YouTube Analytics API
Google
Retrieves your YouTube Analytics
Gmail API
Google
Flexible, RESTful access to the
Google+ API
Google
The Google+ API enables

After enabling both “YouTube Data API v3” and “YouTube Analytics API”, Open the dashboard page and you should be able to see names of both the API’s under “**API**”

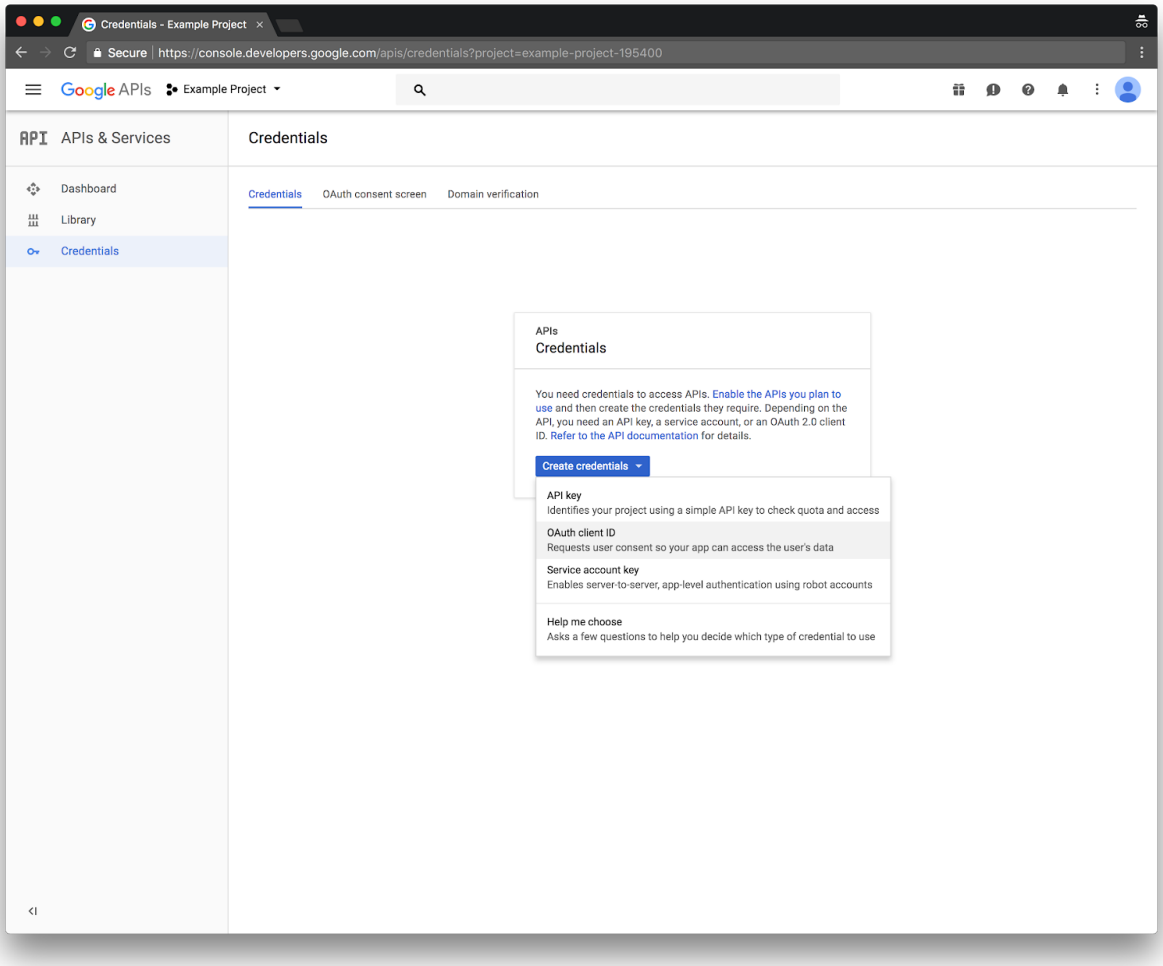


Create OAuth Client

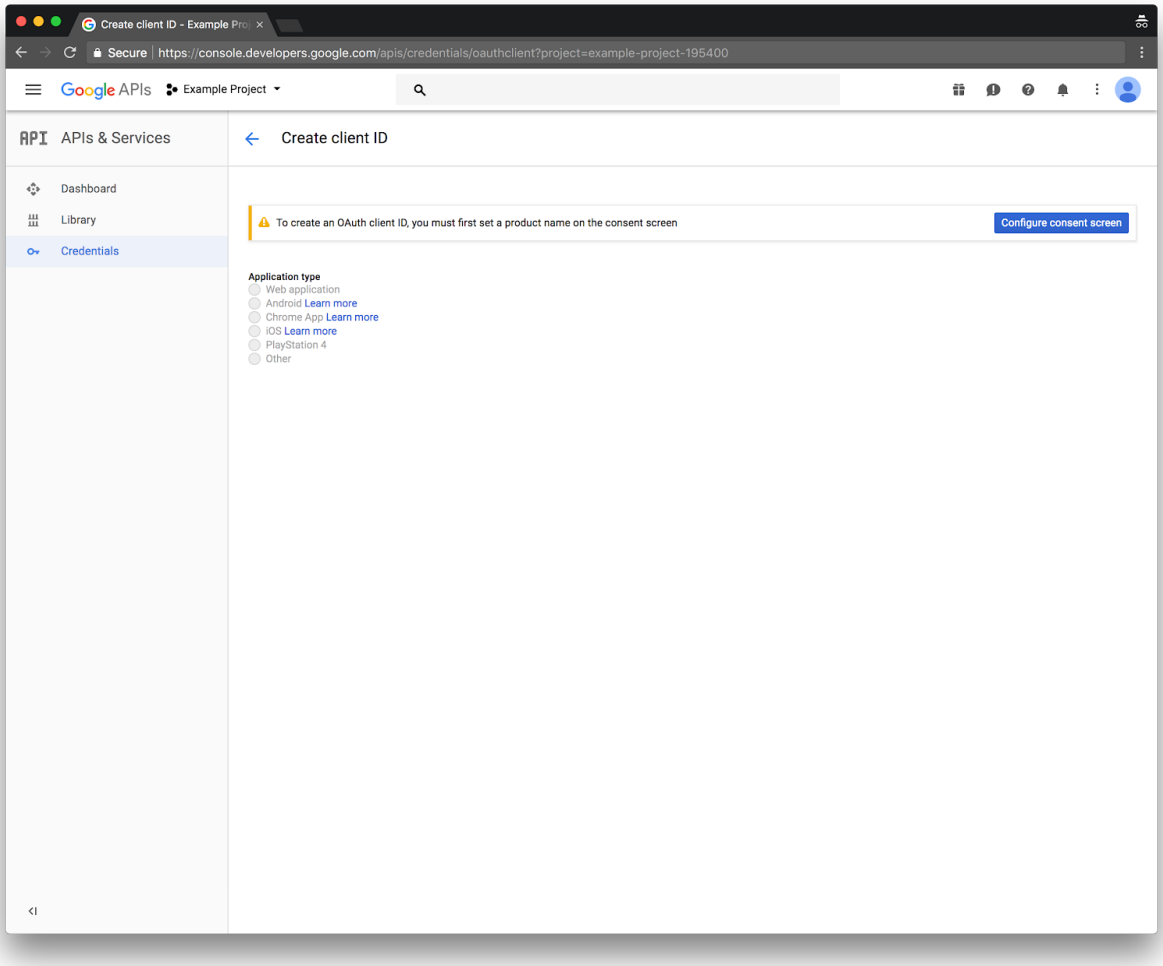
Open the dashboard and click on “**Credentials**” on the left sidebar.



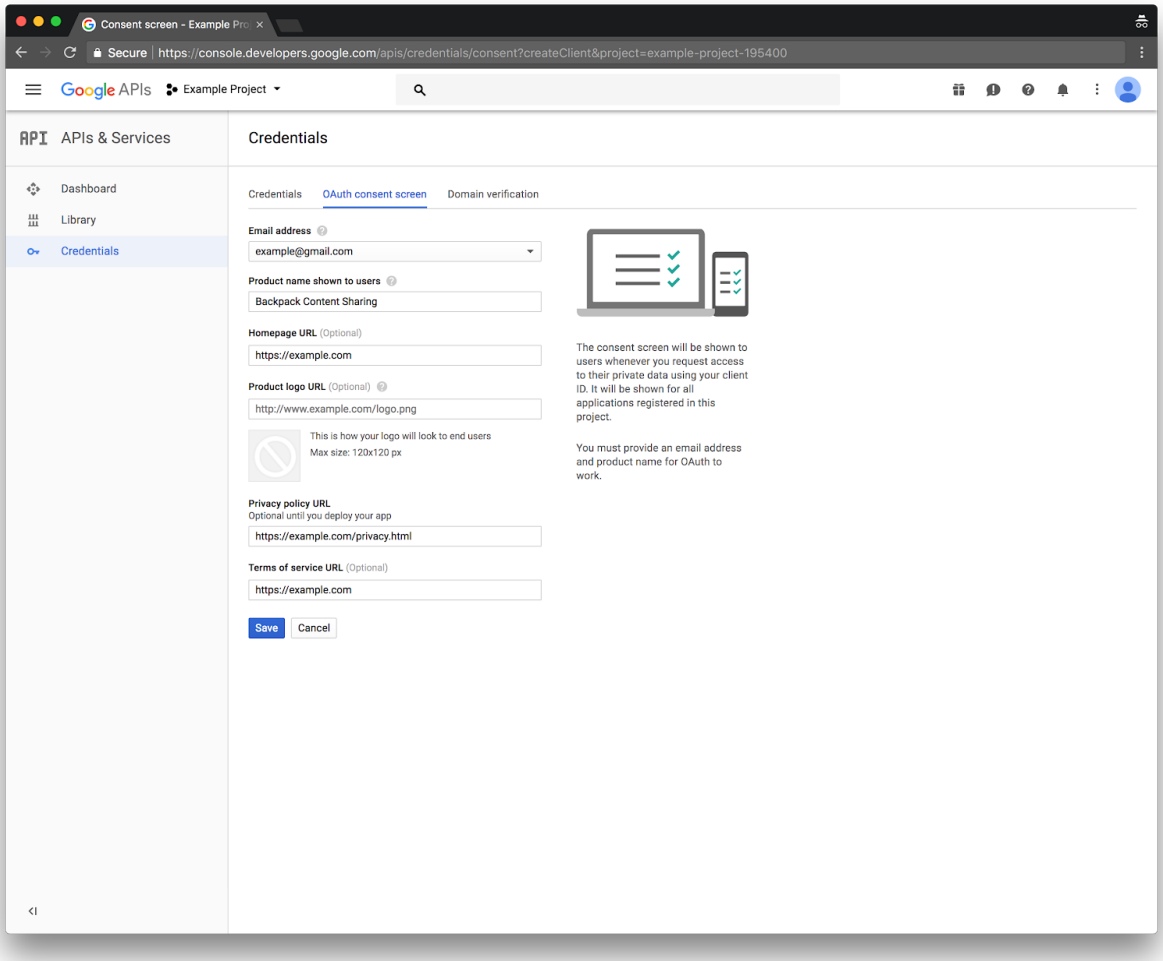
Click on “**Create Credentials**” and select “**OAuth Client ID**” to create new service account.



When prompted, click **Configure consent screen.**

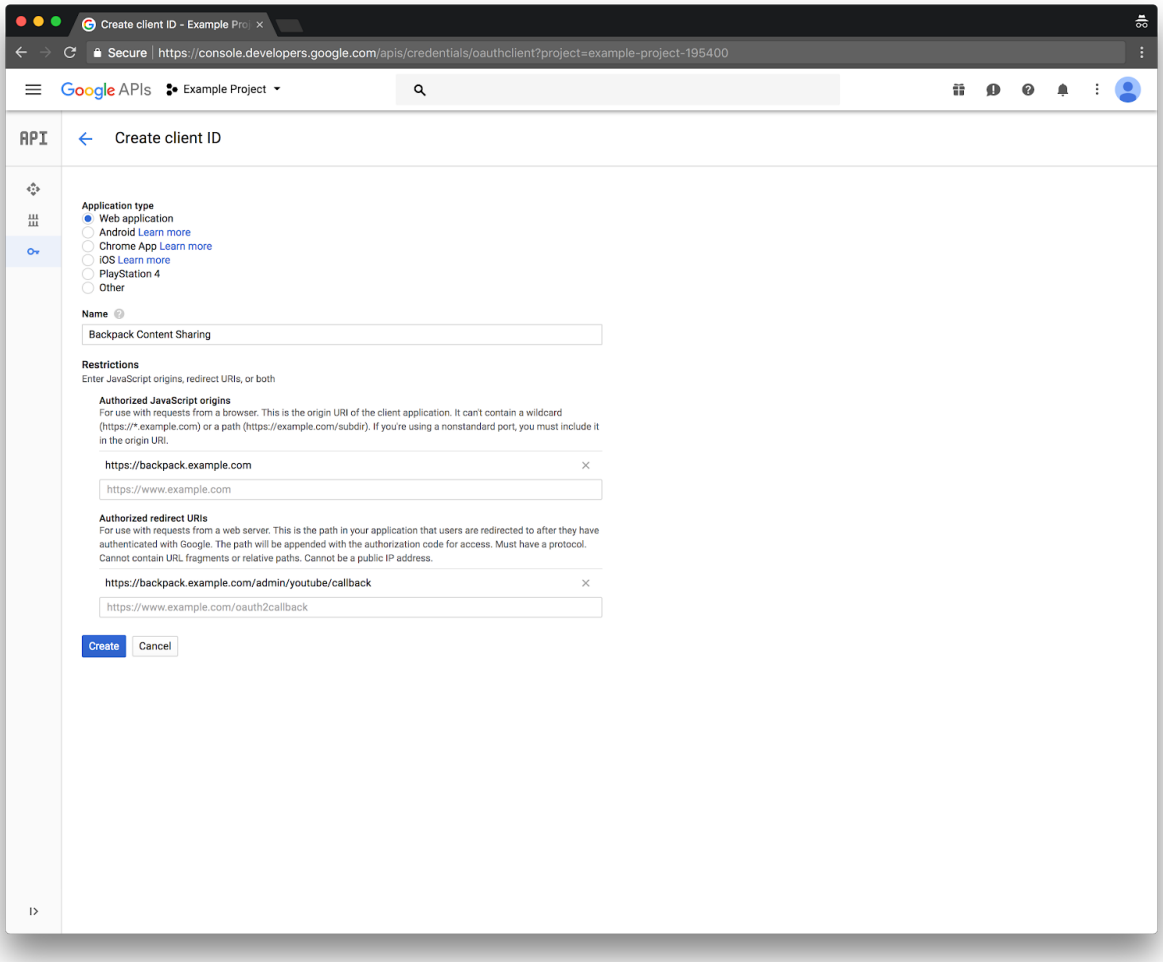


These values provide information to personal YouTube account owners on how information associated with their account will be used by your organization. Enter links to your relevant corporate policies and click **Save**.

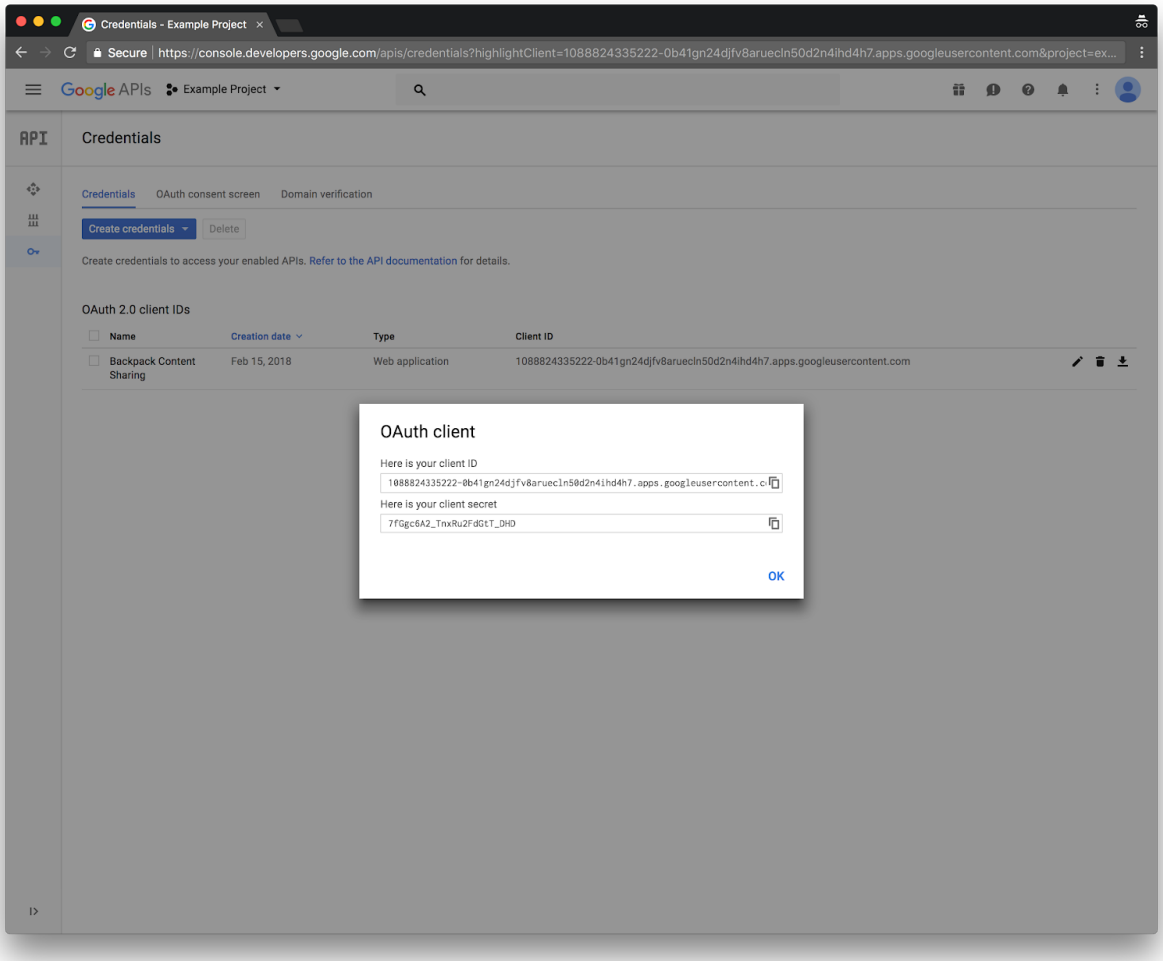


Choose the **Web Application** option and Create a client ID by entering the Backpack application URL and YouTube callback in the **Authorized JavaScript origins** and **Authorized redirect URIs** fields, and clicking **Create**.

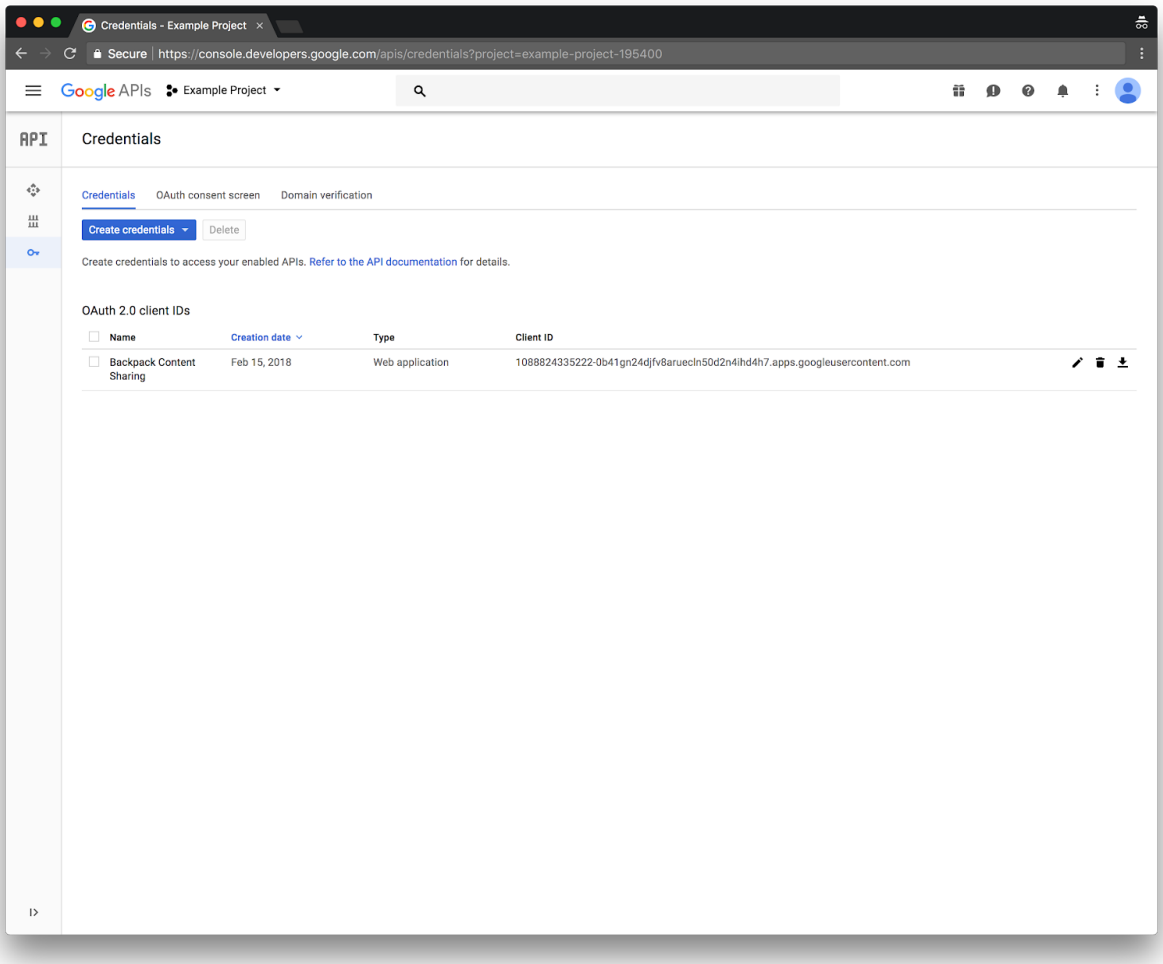
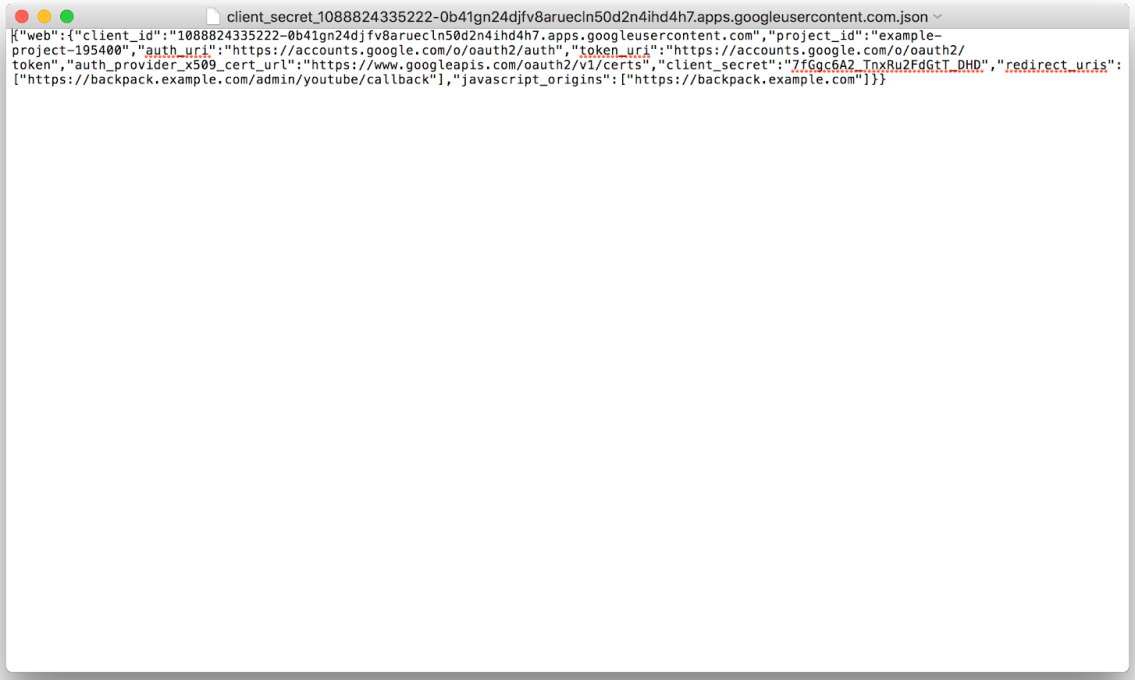
If the Backpack application is hosted at `https://backpack.example.com` the Authorized redirect URI would be `https://backpack.example.com/admin/youtube/callback`



Click **OK** to close the **OAuth Client** dialog.



Click the download icon | ⬇ | in the right column to download the OAuth Client JSON file.



If you open the downloaded JSON file in the text editor it should look similar to the following: