

Guide to API Access

For this assignment, you will need to access the YouTube and Reddit APIs to get data for analysis, as well as the HuggingFace API for getting access to the model. When you run our sample code, you will be presented with a number of prompts for API keys. This guide will walk you through making the keys you will need. You should only need one key per service per team.

**** NOTE:** You should treat these API keys like passwords - if someone maliciously gets access to them, they can steal all of your information. Keep them somewhere safe, and do not share them! ******

YouTube API

**** NOTE: Your Rice Google account will not work for this, as Rice blocks students from making projects in Google Cloud. You will need to use a personal Google account. ****

1. Navigate to [this URL](#) to create a Google Cloud project.
2. Give your project a name. Leave “Location: No Organization”. Click “Create”.

Google Cloud

Search (/) for resources

New Project

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

[MANAGE QUOTAS](#)

Project name *
Project Name

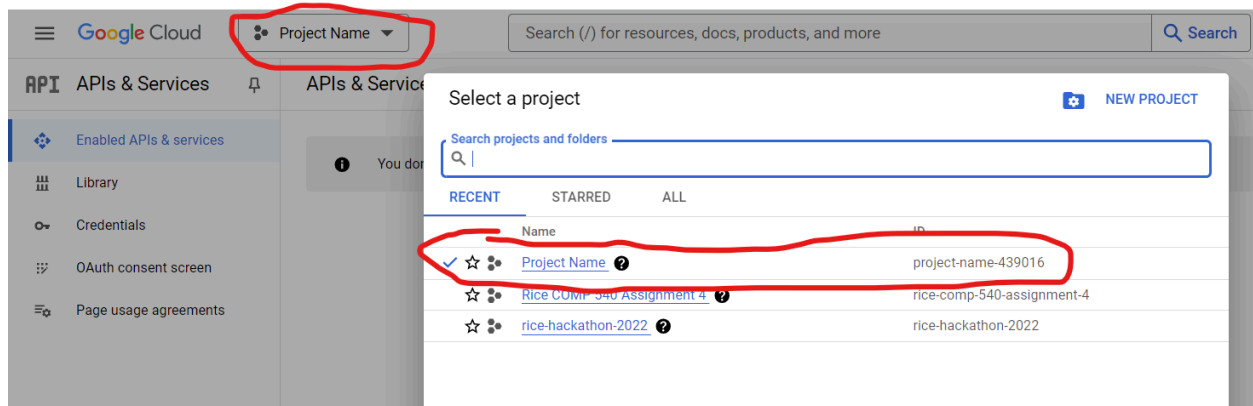
Project ID: project-name-439016. It cannot be changed later. [EDIT](#)

Location *
No organization [BROWSE](#)

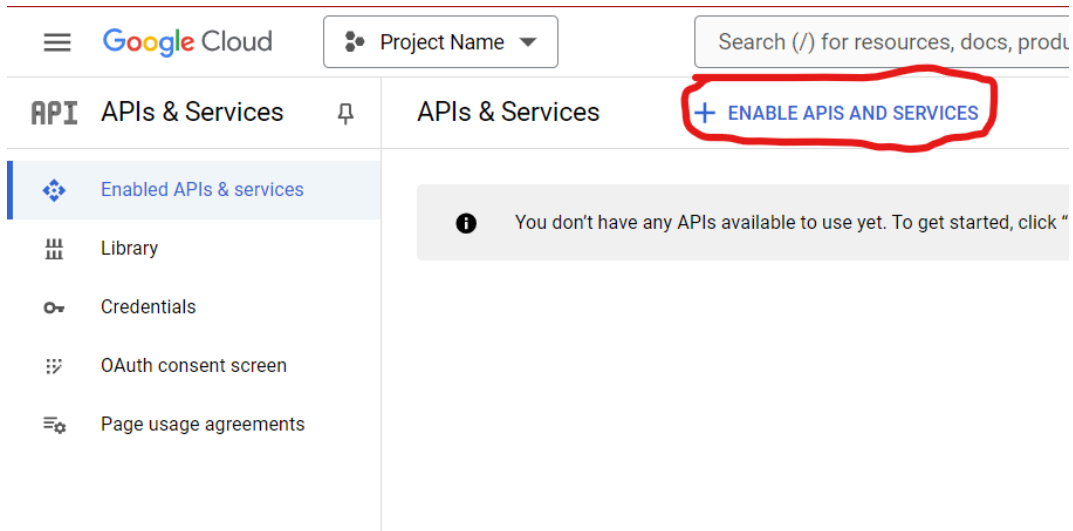
Parent organization or folder

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

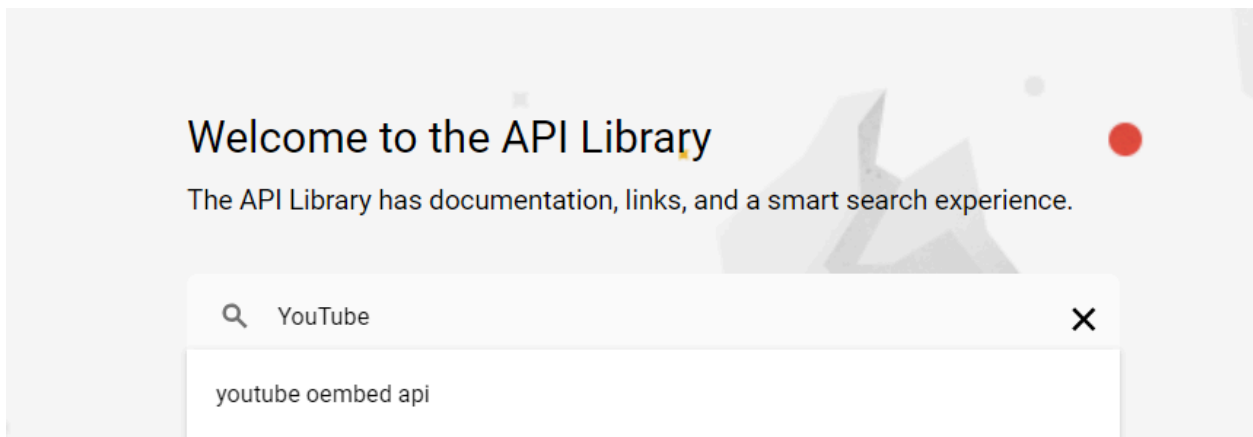
3. If your project does not load automatically, click the dropdown with the 3 dots in the top left, and select your project.



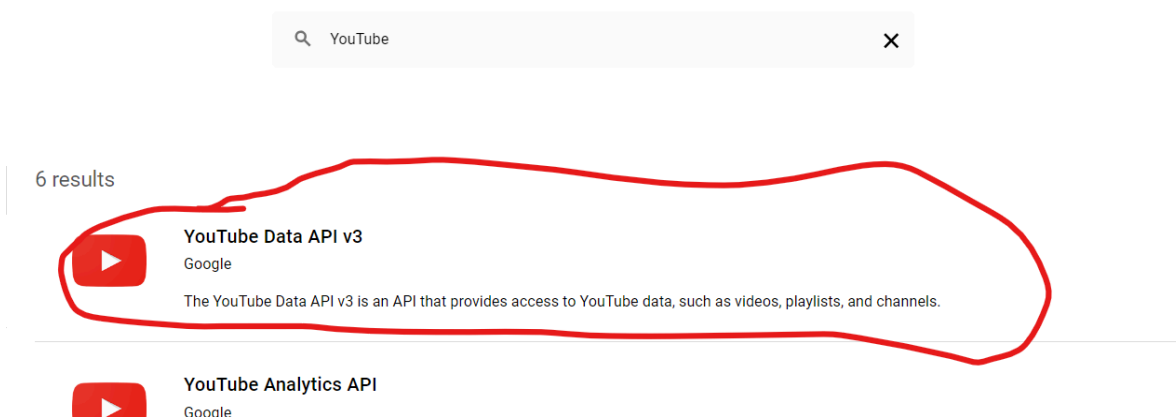
4. Click “Enable APIs and Services”



5. In the search bar, type “YouTube”. Hit enter.




6. Select “YouTube Data API v3”



7. Click “Enable” (mine says “Manage” since I’ve already enabled it)

[←](#) Product details



YouTube Data API v3

[Google](#)

The YouTube Data API v3 is an API that provides access to YouTube data, such as videos, playlists,...


MANAGE

TRY THIS API [↗](#)


✓ API Enabled

8. Click “Create Credentials”

[←](#) API/Service Details [■ DISABLE API](#)

 To use this API, you may need credentials.

CREATE CREDENTIALS



YouTube Data API v3

The YouTube Data API v3 is an API that provides access to YouTube data, such as videos, playlists, and channels.

By Google

9. For “Credential Type”, select “Public Data”. Leave all other defaults.

Create credentials

1 Credential Type

Which API are you using?

Different APIs use different auth platforms and some credentials can be restricted to only call certain APIs.

Select an API *
YouTube Data API v3

What data will you be accessing? *

Different credentials are required to authorize access depending on the type of data that you request. [Learn more](#)

- ☐ User data ?
Data belonging to a Google user, like their email address or age. User consent required. This will create an OAuth client.
- ☒ Public data
Google data that is publicly available, like public Maps data showing restaurant information. This will create an API key.

NEXT

10. Click “Next”. Your API key will be displayed. Copy it, and save it somewhere safe!

When the notebook asks you for your YouTube API key, paste it in!

2 Your Credentials

Your API key

⚠ We recommend restricting this key before using it in production.
[RESTRICT KEY](#)

Here is your API key. This is always available for you on the [credentials page](#).

API Key
[REDACTED]

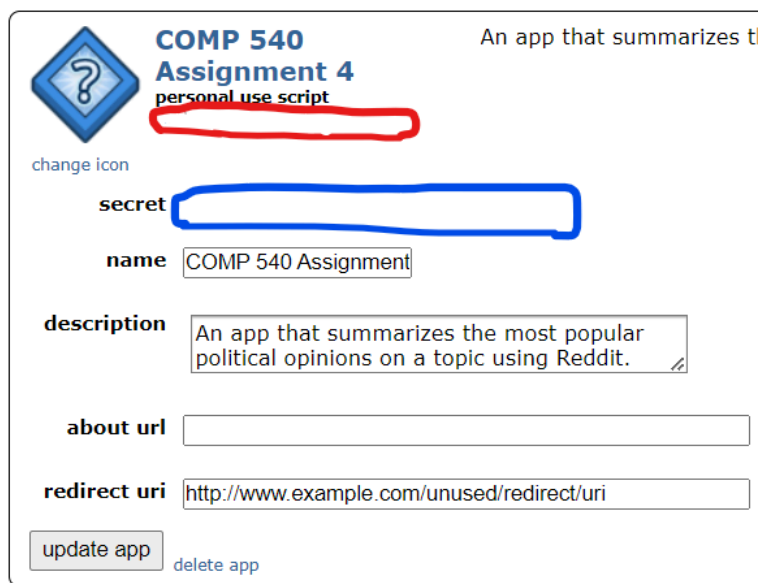
DONE

CANCEL

11. Click “Done”.

Reddit API

1. [Create a Reddit account](#), if you do not already have one that you wish to use for this project.
2. Email me (amu1@rice.edu) your Reddit username so that I can add you on to the project.
3. After I've added you, navigate to <https://old.reddit.com/prefs/apps>. Expand "Rice COMP 540 Assignment 4".



The screenshot shows the Reddit API app configuration page for an app named "COMP 540 Assignment 4". The app is categorized as a "personal use script". The "secret" field is highlighted with a blue circle, and the "personal use script" text is highlighted with a red circle. The "name" field is "COMP 540 Assignment", the "description" is "An app that summarizes the most popular political opinions on a topic using Reddit.", the "about url" is empty, and the "redirect uri" is "http://www.example.com/unused/redirect/uri". There are "update app" and "delete app" buttons at the bottom.

COMP 540 Assignment 4
personal use script

change icon

secret

name

description

about url

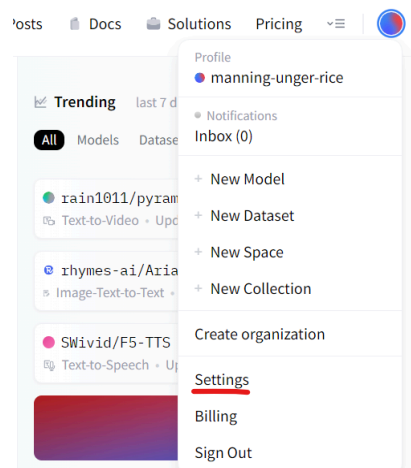
redirect uri

[delete app](#)

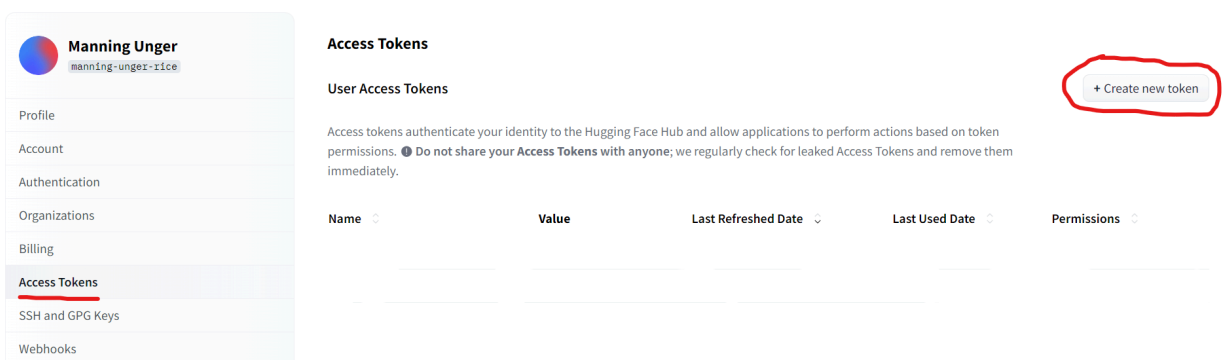
4. When you run the sample code and are prompted for a "Client ID", use the text in the red circle. When you are prompted for a "Client Secret", use the text in the blue circle.

HuggingFace API

1. Create a [HuggingFace account](#), if you do not already have one.
2. Click your profile image in the top right corner and select “Settings”



3. On the left sidebar, select “Access Tokens”. Then, click “Create New Token”



4. In the menu that appears, select “Read” permissions for your token. Give your token a name, and hit “Create Token”.

< Create new Access Token

Token type

Fine-grained **Read** Write


● This cannot be changed after token creation.

Token name


This token has read-only access to all your and your orgs resources and can make calls to inference API on your behalf. It can also be used to open pull requests and comment on discussions.


Create token


5. Copy your API token. Make sure to keep it somewhere safe!
6. Go to <https://huggingface.co/meta-llama/Llama-3.2-3B-Instruct>. Read and fill out the agreement.


∞ meta-llama / **Meta-Llama-3-8B-Instruct** 


♡ like 3.53k

 Text Generation

 Transformers

 Safetensors

 PyTorch

 English


llama


facebook


meta


llama-3


convers


 Model card

 Files and versions

 Community **188**

 Edit model card

 A newer version of this model is available: [meta-llama/Llama-3.1-8B-Instruct](#)

 You need to agree to share your contact information to access this model

The information you provide will be collected, stored, processed and shared in accordance with the [Meta Privacy Policy](#).

META LLAMA 3 COMMUNITY LICENSE AGREEMENT
Meta Llama 3 Version Release Date: April 18, 2024
"Agreement" means the terms and conditions for use, reproduction, distribution and modification of the Llama Materials set forth herein.
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"Licensee" or "you" means you, or your employer or any other person or entity (if you are entering into this Agreement on such person ...

▼ Expand to review

▼ Expand to review and access