visAPPprot Image Search Setup

To use the Exemplar Image functionality of the visAPPprot system, you will need to set up Google Image Search access. This should take 10 minutes to complete.

In this document you will create a Google image search engine and an API key for image search.

1. Create Image Search Server

Go to Google's Programmable Search Engine: https://programmablesearchengine.google.com/

Click the Add button to the right of the page to create a new search engine.

Enter the details for your new search engine following the image below. Name your engine "visAPPprot" and select "Search the entire web option". For search settings, select both "Image search" and "SafeSearch". Then check "I'm not a robot" and click the Create button.

After your search engine is created you will be redirected back to the Programmable Search Engine page, this time with your new visAPPprot search engine listed. Click on your visAPPprot search engine.

You will see the search engine information, including the Search Engine ID. Click the "copy" symbol next to the engine ID to copy the ID.

Go to your visAPPprot folder: if you are using Mac go to *Documents/visAPPprot_mac*, if you are using Windows go to *Documents/visAPPprot_windows*. Locate the *image_search.xslx* file and open it. Replace YOUR_ENGINE_ID with the search engine ID that you just copied. Keep the spreadsheet open, but don't save it yet.

2. Generate API Key

Go to Google Cloud Console: https://console.cloud.google.com/

You will be prompted to log into your Google account, if you haven't already. Once you're logged in, you will see a page with these options at the bottom. Select the "APIs and Services" button.
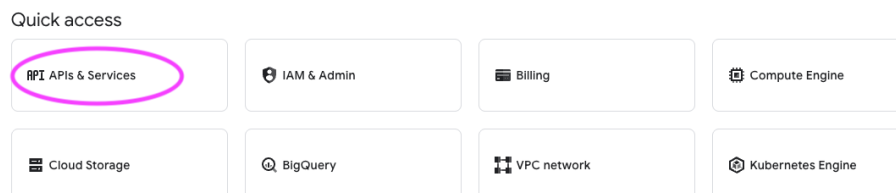
At the top of the page, type "custom search API" into the search bar. Select the result Custom Search API.
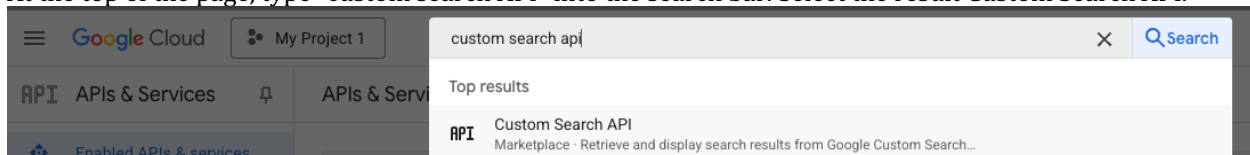
If you see the blue Enable button, click to enable Custom Search API functionality. If you see a checkmark with "API Enabled" next to it, your Custom Search API is already enabled and you can move on.
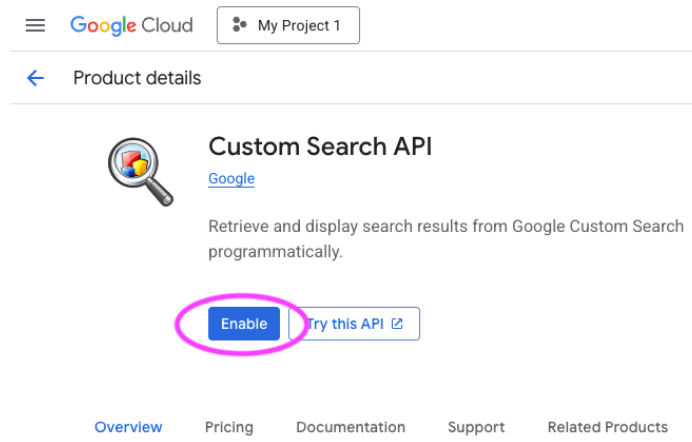
After enabling Custom Search API, click on the Credentials tab in the left sidebar.
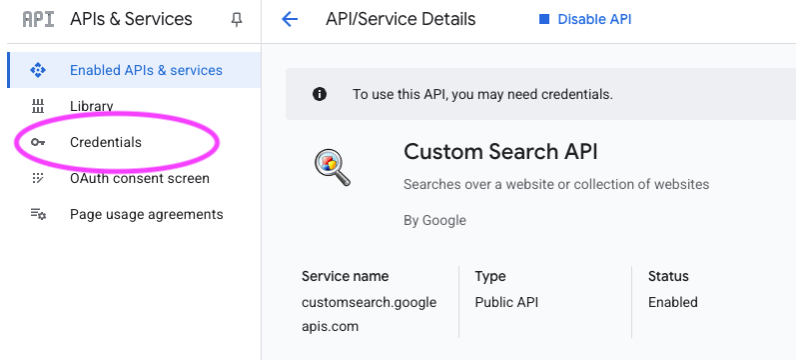
At the top of the page click "Create credentials" and then select the "API key" option.
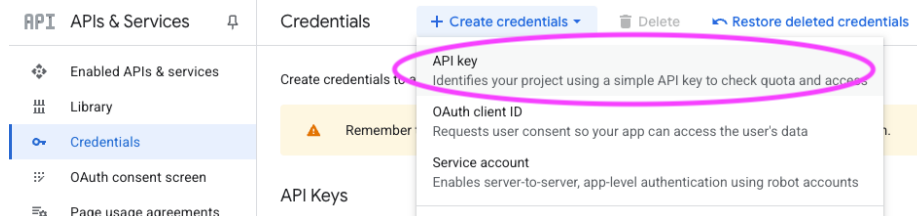
A popup will appear containing your API key. Click the "copy" symbol next to your API key to copy it.

Open your Excel spreadsheet and replace YOUR_API_KEY with the API key you just copied.

Then go to the "Save As" option in Excel and name your file *image_search* and select the File Format as "CSV" also known as "CSV UTF-8 (Comma delimited) (.csv)". **It is important to save this file in .csv format.** Save the file to your visAPPprot_mac/ folder (if using Mac) or your visAPPprot_windows/ folder (if using Windows). In your visAPPprot_mac/ or visAPPprot_windows/ folder now you should see a new file named *image_search.csv*. **DO NOT share the contents of the image_search.csv file! The search engine ID and API key are exclusive to your use.**

You are now ready to move onto Installation! Please open the Mac Installation PDF or the Windows Installation PDF, depending on your machine.