
Setup Google API Key

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Introduction

Photo Supreme is a “Digital Asset Management” tool. Photo Supreme makes it possible to manage your image files by categorizing them.

To help ease the intensive cataloging process, Photo Supreme offers Artificial Intelligence features. These features help you catalog the images based on an evaluation of the photo content and suggesting matching labels, objects, faces, and/or landmarks. To do so, Photo Supreme interacts with the Google Vision Platform.

Google Vision is part of Google Cloud Platform. For you to use Google Vision features in Photo Supreme, it is required to setup your own personal Google API key, which Photo Supreme then uses to call Google Vision’s AI features. Google Vision is not free to use, but it comes with a monthly free bundle to make it cost free for average home use. For more information about Google Vision’s pricing, you can check this page:

<https://cloud.google.com/vision/pricing>.

Photo Supreme caches Google Vision results to prevent unnecessary API calls or optional API costs.

Another helpful feature in Photo Supreme is the GEO Tagging feature. That varies from displaying geographical locations on a Map, to finding the location details for a set of coordinates (reverse lookup) or finding coordinates from a location description (forward lookup).

For Photo Supreme to use these Google Maps features, it is required that you setup your own Google API key for Photo Supreme. Google Maps is also not free, but just as with Google Vision, it comes with a free monthly bundle to make it cost free for average home use.

Prepare

1. Sign up for your Google Cloud Account;
<https://console.cloud.google.com/freetrial/signup>
2. Google requires that that you enable billing in your Google Cloud Account. This is a requirement for your API key to work. Make sure that you set that up.

Instructions

To create your own API key.

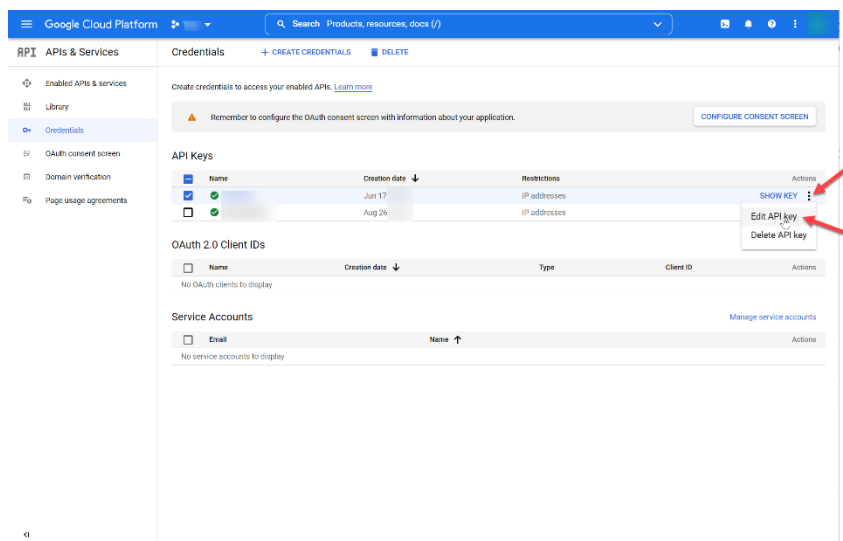
1. Visit your Dashboard; <https://console.developers.google.com/apis/dashboard>
2. Click Library from the left side panel
3. Add **Cloud Vision API**

4. Add **Maps Javascript API**
5. Add **Maps Elevation API**
6. Add **Geocoding API**
7. Add **Cloud Translation API**

If you run Photo Supreme in the English locale with the standard Google API Language, then the Translation API will not be called and adding this API is also not needed.

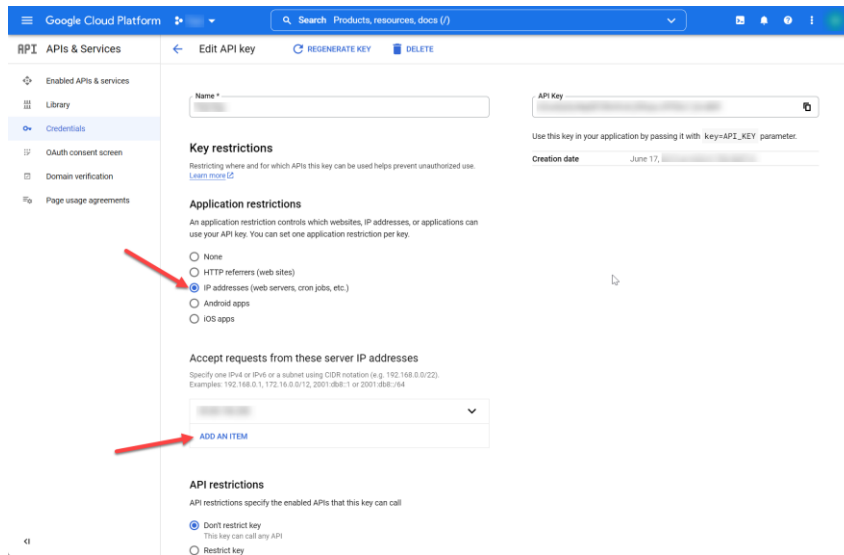
If Photo Supreme is started in another language than English, or if you have configured Photo Supreme to use the Google API with a non-English language, then Photo Supreme uses the Translation API. Google Vision always returns results in English and Photo Supreme uses Google Cloud Translation API to translate the results to your configured language. Translation results are cached to prevent unnecessary API calls/costs.

8. Google offers ways to restrict your API key usage. It is recommended to restrict your API key to prevent misuse. To configure your key, click “Credential” from the left side panel.
9. Click the “more” icon and select “Edit API key”

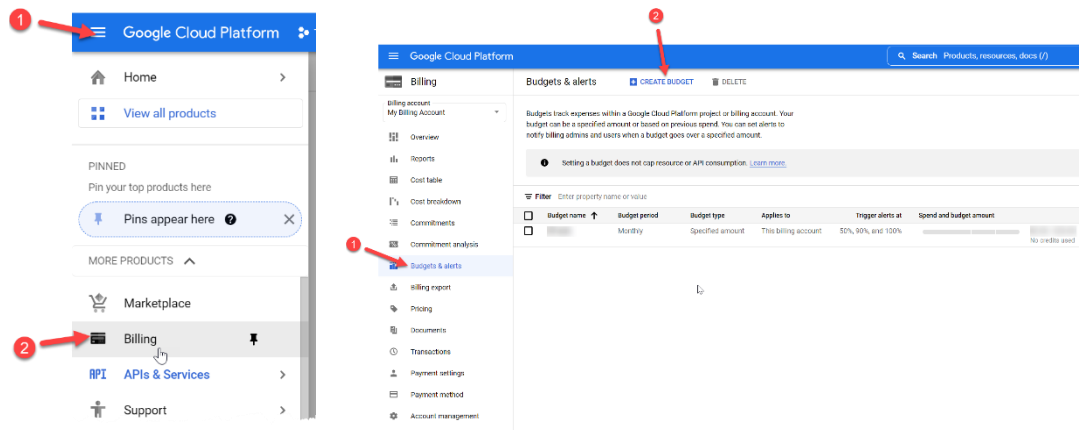


10. If you know your public IP address and you plan to use the API key only from your home or office location, then you can restrict the key by IP address. Tip: if you don't know your public IP address then Google can help:

<https://www.google.com/search?q=what%27s+my+ip>

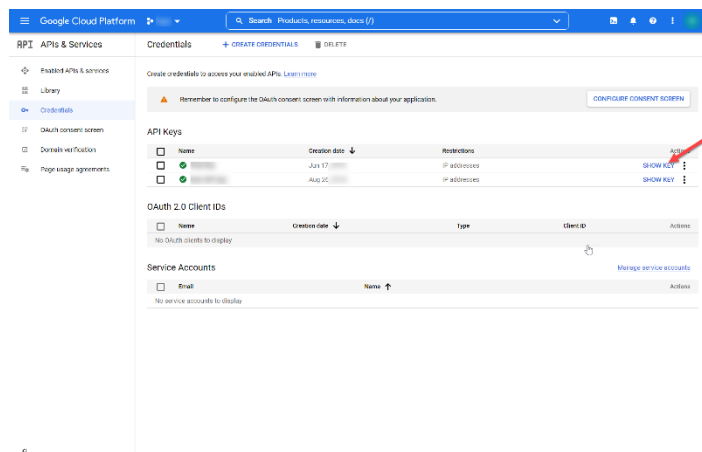


11. You can set a billing budget stay in control of possible expenses. You can get notified when your billing exceeds your defined budget

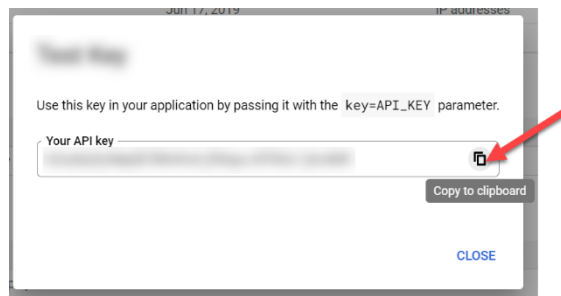


Once you have applied and configured your Google API key, you are ready to copy/paste it to Photo Supreme's Preferences.

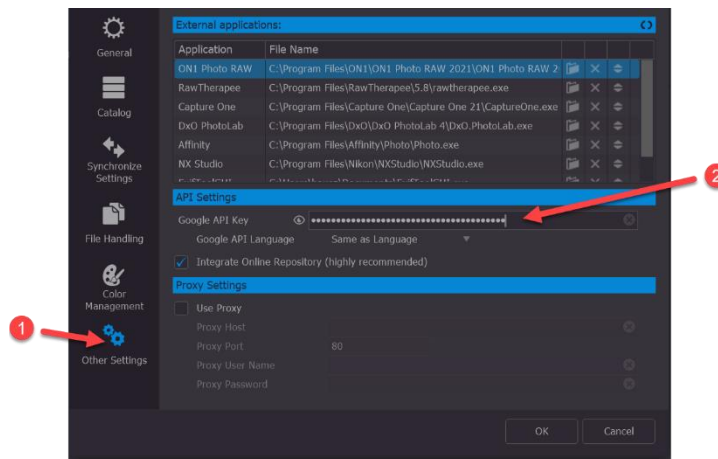
1. <https://console.cloud.google.com/apis/dashboard>
2. Click "SHOW KEY"



3. Click the copy button



4. Paste the key to Photo Supreme's Preferences



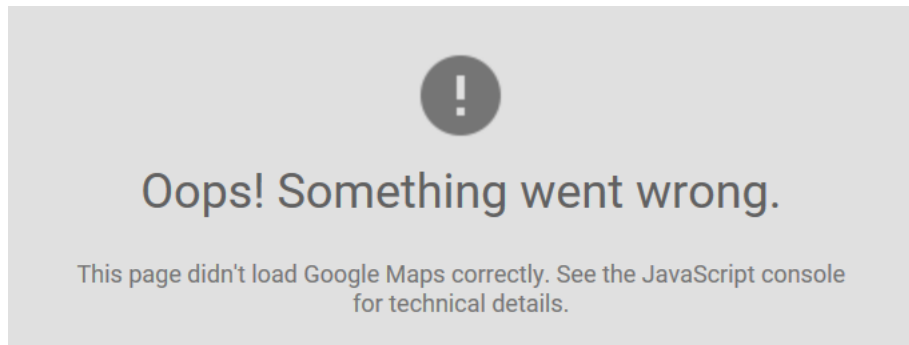
NOTE If you are using the Photo Supreme Server edition then only a user with Administrator rights can configure the Google API key in Photo Supreme.

You are now ready to use Google Cloud services in Photo Supreme, like Maps and/or Vision.

NOTE If you are using different catalogs in Photo Supreme then you can use the same Google API key in each catalog. If needed, you can create different Google API keys for each catalog by starting new projects in the Google API console.

Troubleshooting

Are you getting an error in the GEO Panel in Photo Supreme stating that “Something went wrong”?



Then try the following:

5. Reinstall Photo Supreme. If you are using Windows, then also try to install as the Administrator. Do that by right clicking on the installation file and select "Run as Administrator".
6. Check your Google API key restrictions and make sure that they are still valid. For instance, you may have set an IP address restriction while using a different IP address.