## Creating and securing google-maps API

Sign in with your google account and connect your credit card to enable the key's.

- 1. https://developers.google.com/maps/documentation/javascript/get-api-key
- 2. Scroll to the 'Creating API keys' section.

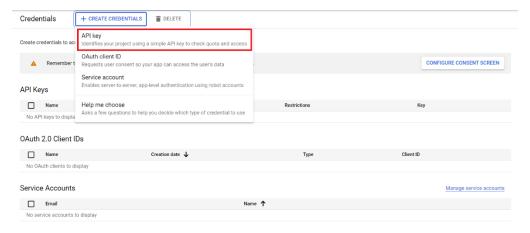
## The API key is a unique identifier that authenticates requests associated. You must have at least one API key associated with your project. To create an API key: 1. Go to the APIs & Services > Credentials page. Go to the Credentials page 2. On the Credentials page, click Create credentials > API key. The API key created dialog displays your newly created API key. 3. Click Close. The new API key is listed on the Credentials page under API keys.

(Remember to restrict the API key before using it in production.)

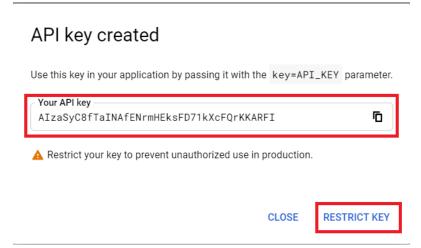
3. Now create a new project



4. Press create credentials and then API key:

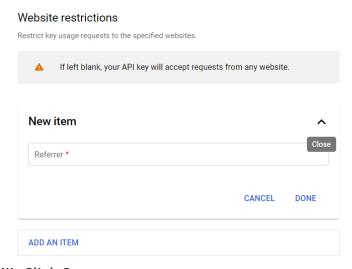


## 5. Now you have an API key!



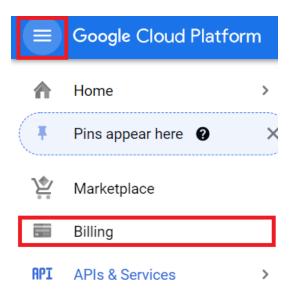
This key should be kept private, and usually will not be uploaded to a public git repository. However, we would like to have our app online on github pages. So we will restrict the API key access to avoid a miss use.

- 6. To add restrictions for an API key, do the following:
  - i. Select HTTP referrers (web sites).
  - ii. After the project is on github pages, add the github pages link:

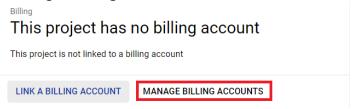


iii. Click Save.

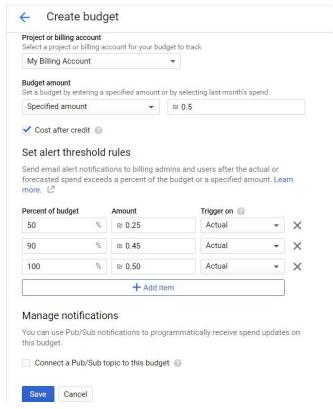
7. Go to 'billing' (search it inside the google console):



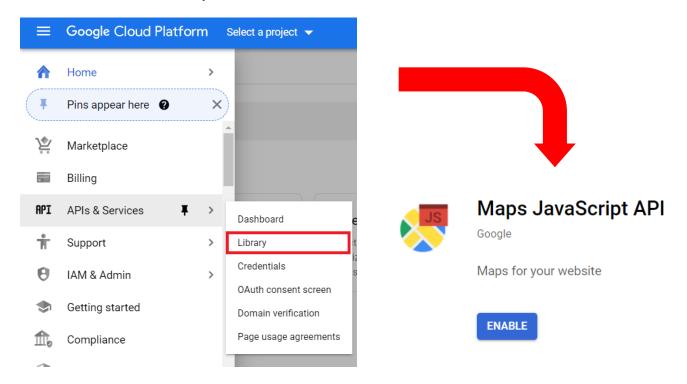
8. Manage billing accounts and create a new billing account:



- 9. Go to Budgets & alerts.
- 10. Create a budget
- 11. Select a name for your budget and make sure it looks like this:



## 12. Go to APIs & Services => Library and select Maps JavaScript API and enable it:



Now you should have a restricted API based on your website address, and an alert if you are getting charged (shouldn't happen).

API keys are a sensitive thing, keep them safe, and if compromised re-generate them.