

Google Maps API

**Enable Google Maps for
your SiteCM / CommerceCM Website.**

A “How – To” Guide

Topic: How to acquire your Google Maps API Credentials for use on your website.

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General Overview:

This tutorial-based help document will assist you in:

1. Creating an API Project within your Google APIs account.
2. Adding the necessary Google Maps API to your API Project.
3. Acquiring your Google Maps API Browser credentials for use with your website.

A Google Cloud User Account is required:

A Google Cloud user account with an associated [Google payment method](#) is required in order to acquire your Google Maps API credentials. In order to create a Google Cloud account, you must have a Google User Account. A billing method must be added to the account from within Google Account Services.

Related Google Services:

- An @gmail-based email address.
- Google Analytics / Universal Analytics
- Google Tag Manager
- Google + for Business
- Google AdWords

If you are using any of the above Google Services, you are familiar with your Google User Account Login information. You will be using that same login information in order to create your Google Cloud User Account.

If you do not yet have a Google User Account, used to create a Google Cloud account, or have never heard of the services provided above, please feel free to contact us at ideaLEVER Solutions in order to learn more about them.

How to Create a Google Account?

More support is offered at Google directly.

- Quick Link to Create an Account: <https://accounts.google.com>
- Quick Link to Google Cloud: <https://console.cloud.google.com/freetrial/signup/tos>

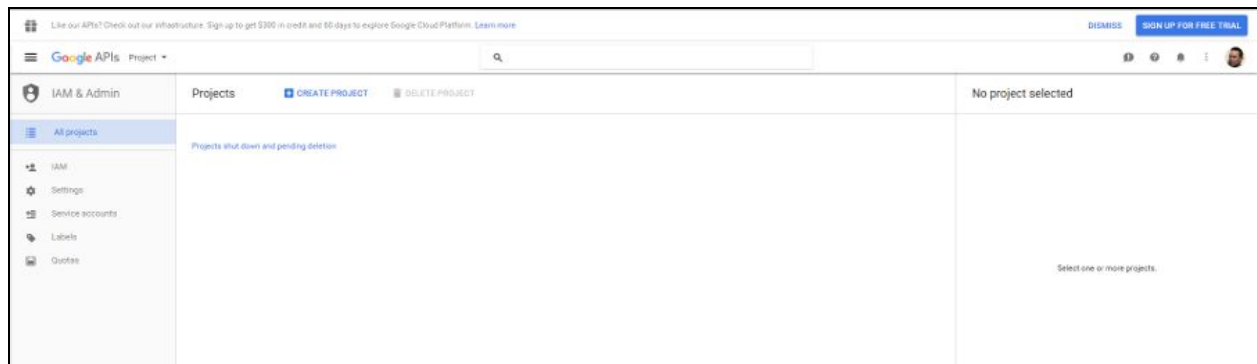
Creating an API Project:

Once you have completed a Google Cloud Account with a Payment Method, the next step is to create an API Project for Google Maps.

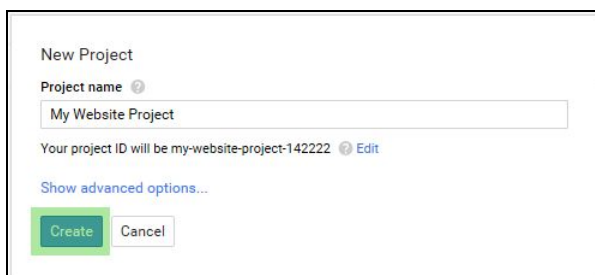
Begin by following this link: <https://code.google.com/apis/console>

Note: Please login using your existing Google Account Login Information.

Once you login, you will be looking at a screen similar to the screenshot depicted below.



Click the **+ Create Project** link located in the main menu.

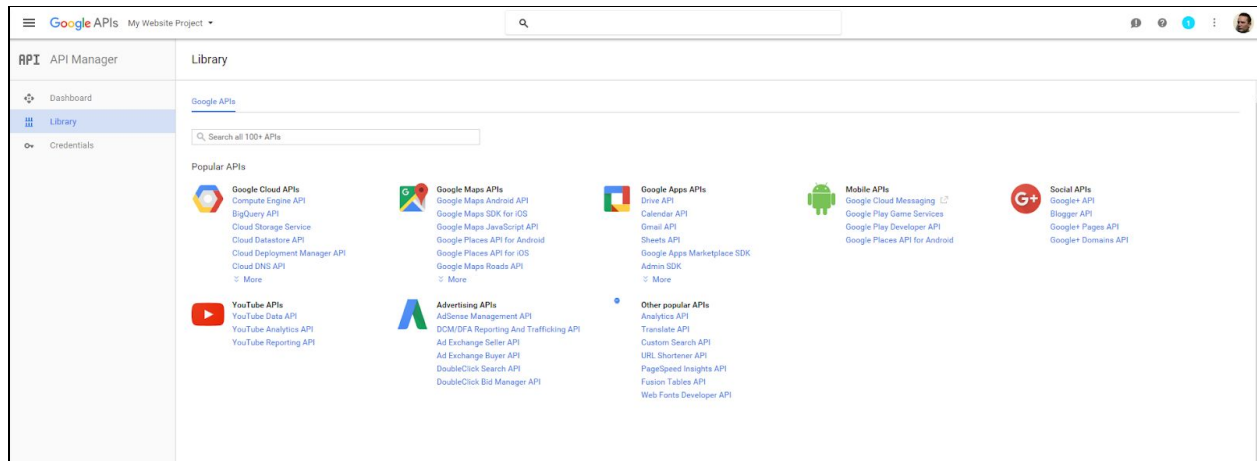
A screenshot of the 'New Project' dialog box. It contains a 'Project name' input field with the text 'My Website Project'. Below the input field, it displays 'Your project ID will be my-website-project-142222' with an 'Edit' link. At the bottom, there are 'Create' and 'Cancel' buttons. A 'Show advanced options...' link is also visible.

Once clicked, provide your project with a **New Project name**. Your project ID will be based on your project name.

Your project name can be any name you feel acceptable ie: *My Website Project*.

Once you have entered a New Project name, press the **Create** button to create your project.

After a few moments, Google Console will notify you that your project is being created. Once this process has completed, you will then be redirected to the **API Manager Library**, where you will choose which Google Maps APIs to add to your created project.

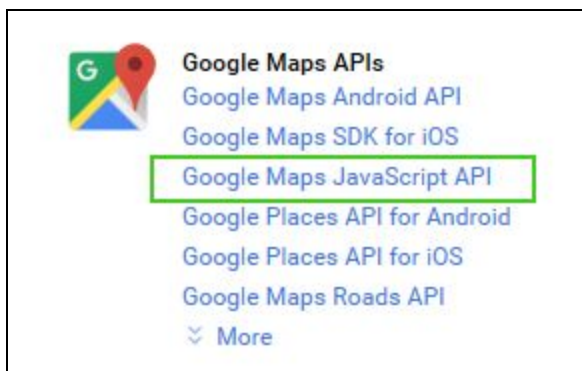


The Google API library contains an assortment of Google based API used to enable a world of Google based applications for a variety of different uses. For sake of this tutorial, we will only be adding and discussing (2) APIs to our project, found under the Google Maps APIs section of the Library itself.

Adding Google Maps API To Your Project

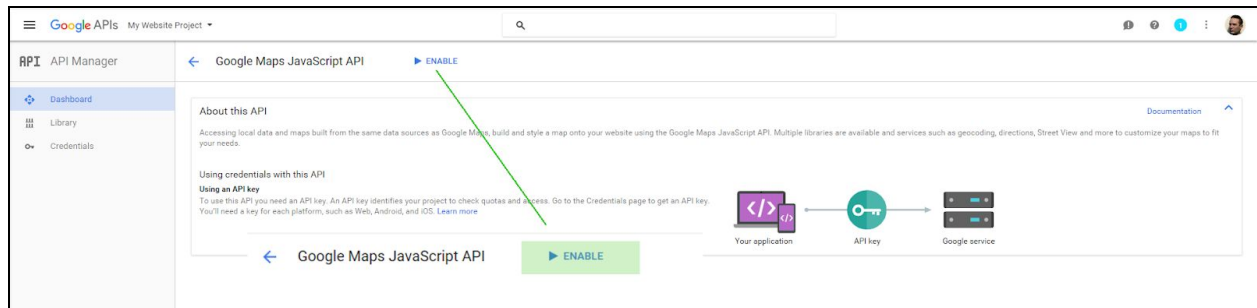
Next, it's time to add some Google Maps API to your API Project. There are two Google Maps APIs required for use with Google Maps on your website. They are:

- a) *Google Maps Javascript API* and;
- b) *Google Maps Geocoding API*

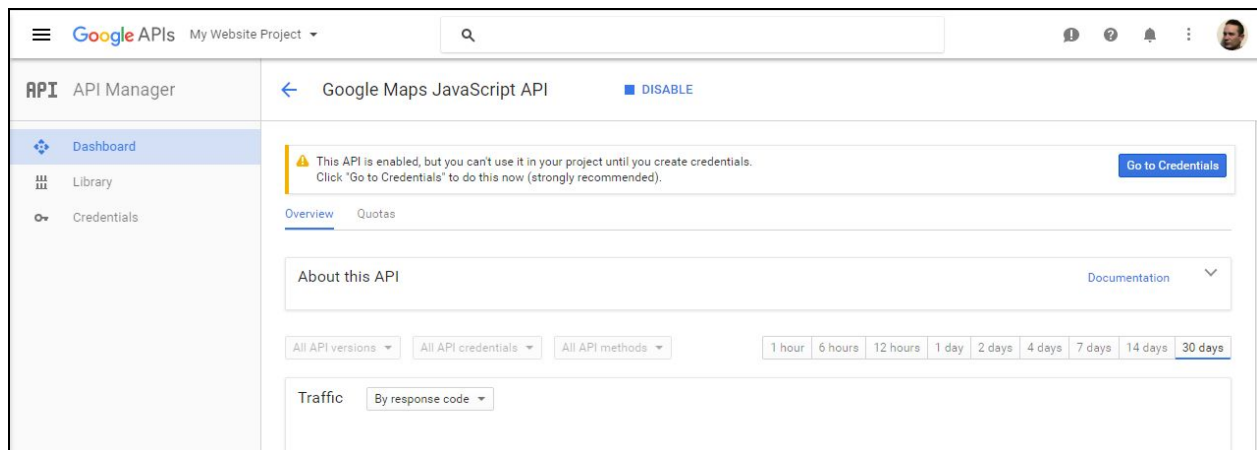


First, click on the **Google Maps Javascript API** link found under the Google Maps APIs section of the Library itself.

This will load the Google Maps Javascript API screen itself. After you have had a chance to read through the quick documentation offered by this API, click the **> Enable** link next to the API's name.



Once you have enabled the Google Maps JavaScript API, you should be looking at a screen similar to below:



Instructions provided on the page state: This API is enabled, but you can't use it in your project until you create credentials. Click "Go to Credentials" to do this now (strongly recommended). We will navigate and generate credentials after we've added our second API.

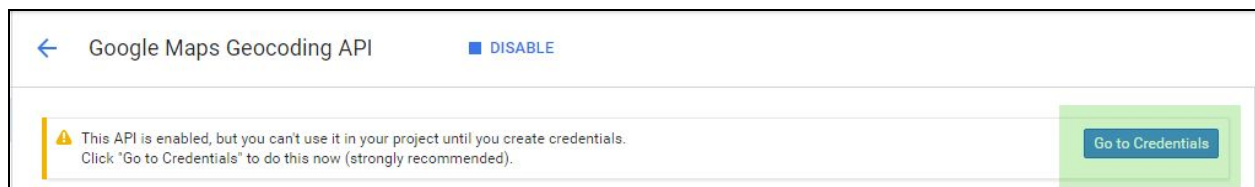
The next step instead is to navigate back to the **Library** menu item found at the left hand side of the window.

On the Library page, beneath the Google Maps APIs heading, locate the **Google Maps Geocoding API** link and click on it.

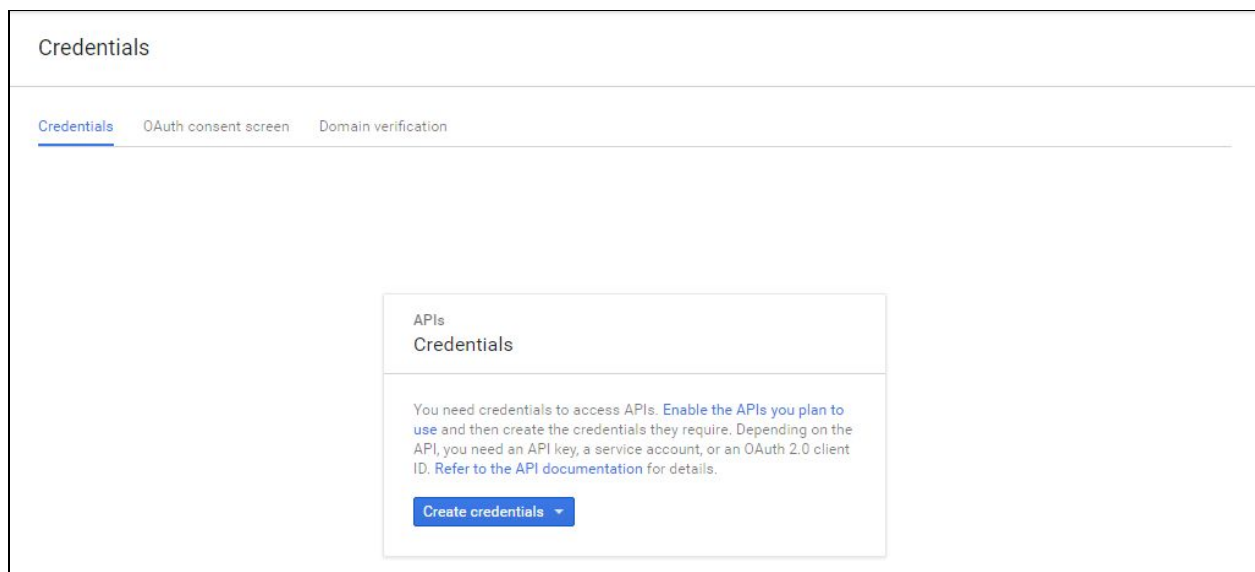
Proceed through the same steps of Enabling this API as performed adding the Google Maps Javascript API.

You have now successfully added two important APIs to your website project. The last step is to generate credentials for your API, to complete this task.

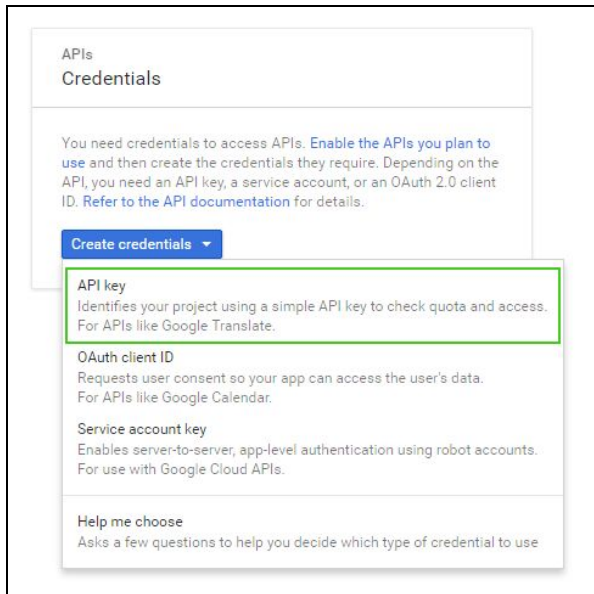
Google Maps API Browser Credentials



Now that you have added the two important API to your website project, click the **Go to Credentials** button found to the right of the set of instructions, indicated above.

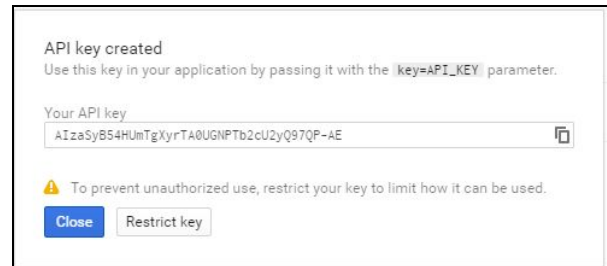


Next, click the **Create credentials** button, as instructed.



Choose the **API key** selection.

Doing so will generate an API key for your API project.



Your website will make use of this API key in order to display the map generated by SiteCM's Google Map Drop-In Application.

Restricting (the) API key (optional)

At this time you may choose to restrict the API key from unapproved usage. Although the need to do so is not substantial, the option to do so is available. For example, you may want to restrict the usage of the API key to just your website domain address, stopping any use of it via other websites.

To restrict the use of the API key for use on your website alone, click the **Restrict key** link depicted in the image above. You will then be looking at the **Credentials** screen for your API key. There are (2) changes to be made, in order to complete the restriction process:

1. Enabling the Restriction.
2. Saving your API key.

Optional: You can also provide your API Key with a name to differentiate it from any other API keys created.

Name

As noted on the Credentials page, the API key you've generated for your API project is unrestricted. Key restriction lets you specify which websites, IP addresses or Apps can use your API key.

First, select the HTTP referrers (web sites) radio option.

⚠ Key restriction

This key is unrestricted. To prevent unauthorized use and quota theft, restrict your key.
Key restriction lets you specify which web sites, IP addresses, or apps can use this key. [Learn more](#)

None
 HTTP referrers (web sites)
 IP addresses (web servers, cron jobs, etc.)
 Android apps
 iOS apps

Note: It may take up to 5 minutes for settings to take effect

Enter your full website domain address into the Accept requests from these HTTP referrers (web sites) field. Make sure you add an asterisk(s) (*) as depicted in the hint text for this field and as instructed by the page itself. A wildcard notation is important. It indicates that the API key is available for use on your homepage, whether your site is being viewed in secure https mode, and whether *all* subpages of your website may make use of it too.

Accept requests from these HTTP referrers (web sites)

Use asterisks for wildcards. If you leave this blank, requests will be accepted from any referrer. Be sure to add referrers before using this key in production.

Once you have entered your Key restriction request, click the **Save** button.

Note: It may take up to 5 minutes for settings to take effect

You will now be looking at the Credentials page, with your API key listed below the API keys heading.

API keys				
<input type="checkbox"/>	Name	Creation date ▾	Restriction	Key
<input type="checkbox"/>	API key 1	Sep 6, 2016	Referrer	AlzaSyB54HUmTgXyrTA0UGNPTb2cU2yQ97QP-AE ✎ 🗑

Final Steps...

The final step is to email ideaLEVER Solutions a copy of the API Key code, with instructions to add it to your website.

Key
AlzaSyB54HUmTgXyrTA0UGNPTb2cU2yQ97QP-AE

Please send your request to support@idealever.com and we'll take care of the rest. If you have any questions, please feel free to contact us.