How to get Google Maps API KEY

In order to use Google Maps in Dynamics 365 - Google Maps **Directions API**, **Geocoding API** and **Maps JavaScript API** must be enabled. Then Google Maps API Key can be generated.

To do that:

- 1. Go to https://console.cloud.google.com and scroll to the bottom of the left-side menu
- 2. Select Google Maps -> APIs



3. Find Google Maps Directions API, Geocoding API and Maps JavaScript API

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<	Q Search for solutions				
Marketplace > APIs & service Maps	es				
Filter by TYPE APIs & services O CATEBORY Maps O	17 results Directions API Google Directions between multiple locations.	Distance Matrix API Google Travel time and distance for multiple destinations.	Ceolocation API Google Location data from cell towers and WiFi nodes.	Ceocoding API Geogra Google Convert between addresses and geographic coordinates.	Maps Elevation API Google Elevation data for any point in the world.
	Maps JavaScript API Google Maps for your website	Maps SDK for Android Google Maps for your native Android app.	Maps SDK for IOS Google Maps for your native IOS app.	Maps Static API Google Simple, embeddable map image with minimal code.	Places API Google Get detailed information about 100 million places
	Roads API Google	Semantic Tile API Google	Street View Publish API Google	Street View Static API Google	Time Zone API Google

4. Enable Google Maps Directions API, Geocoding API and Maps JavaScript API

5. Go to Google Maps -> APIs section again

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6. Open either Google Maps Geocoding API or Maps JavaScript API

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		Directions API				
		Distance Matrix API				
		Maps Elevation API				
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7. Click on **Credentials** to find API key

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Google Maps API Limitations

The described above steps allow to activate and use Free Version of Google Maps API. It has limitations. Information about the limitations can be found in the Quotas section

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Find more information about Geocoding API Usage and Billing following this link <u>https://developers.google.com/maps/documentation/geocoding/usage-and-billing?hl=en_US</u>

How to configure Dynamica Google Maps Integration solution

After Dynamica Google Maps Integration solution installation few simple configuration steps must be done:

- 1. Assign security roles to users:
 - Google Map Basic User: possibility to create own search parameters and reading access for others;
 - Google Map Advanced User: possibility to customize Dynamica settings and search parameters for all users.
- 2. Go to Settings -> Solutions and open Dynamica Google Maps Integration solution.

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3. Go to the Configuration page. Copy your Google Maps API key into the appropriate field.



4. Select all entities that can be searched on the map. The **Search** on the top of the tab can be used for searching the entities.

Dynamica	Let's start 5 easy steps og et started.	
Dynamica Labs License	Trial license. License expires on 4/15/2021 Contact us via email <u>support@dynamicalabs.com</u> to get license for your solutions	
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5. Select in each chosen entity 1 field with the Longitude and 1 field with the Latitude. Latitude and

Longitude are the units that represent the coordinates at the geographic coordinate system.

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Address 1: Name							
Address 1: Post Of	fice Box						

6. Select option **Long/Lat in related records** if you can't find correct fields with longitude and latitude data for your entity. Select the relevant entity with the **longitude** and **latitude** fields from the drop-down list.

 Opportunity 			Long/Lat in related record		Account(Account)		۷
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Account				Address 1: Country/Region			
Actual Close Date				Address 1: County			
Actual Revenue				Address 1: Fax			
Actual Revenue (Base)				Address 1: Latitude			۲
Budget				Address 1: Longitude		۲	

7. Select in **Part of Address** all address fields that will be searched on the map (country, city, street, etc.). Or you can choose 1 **composite field**, for example, Address 1.

2 Select Entities Search for enti	ies Q	Save Entities	Check Geocoding	Sales Territories Proce	essing			
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8. Select in the **Map Tooltip** all the fields that you need to be displayed in the Results when you click on the marker on the map.

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9. After all entities and their parameters are selected, click on the **Check Geocoding** button.

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Address 1: Country/Region							Ŧ

10. In the modal window, that appears, the selected records and their number are visible. Click **Run Geocoding.**

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If the geocoding data was changed after the geocoding was completed, select the **Re-geocoding** option and start the geocoding again.

11. After geocoding is completed, close the window. If there are any errors, then you can see them by clicking on show errors option.

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12. Click to the **Add Google Maps to Navigation Menu** button and choose the Model-Driven application, in which you want to add the Google Maps Integration solution. Click to the **Add Menu Item** button and close the window.

Click the **Add Google Maps to Form** button and select entity and form of the entity if you want to display **Google Map Web Resource** on a specific form.

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Dynamica Let's start! 5 easy steps to get started. Watch an 1-minute video on	Add Google Map to Menu	х				
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13. Click **Configure Default Search for All Users** button. Add **Search Entities**, **Views of Entities**, **Search Fields**, etc. click the **Save** button. Select **Is Default Search** option if you want to create a default search for all users.

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Select Is Default Search option if you want to create a default search for all users.



14. Reload model-driven application after finishing the settings.