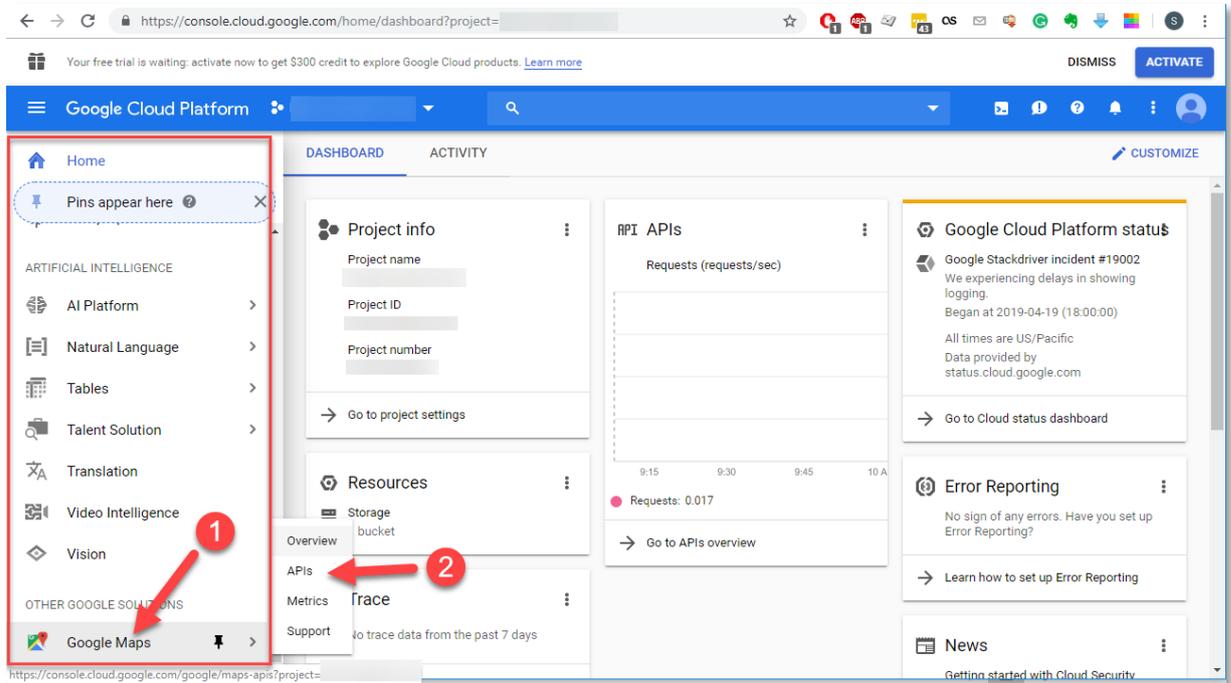


# How to get Google Maps API KEY

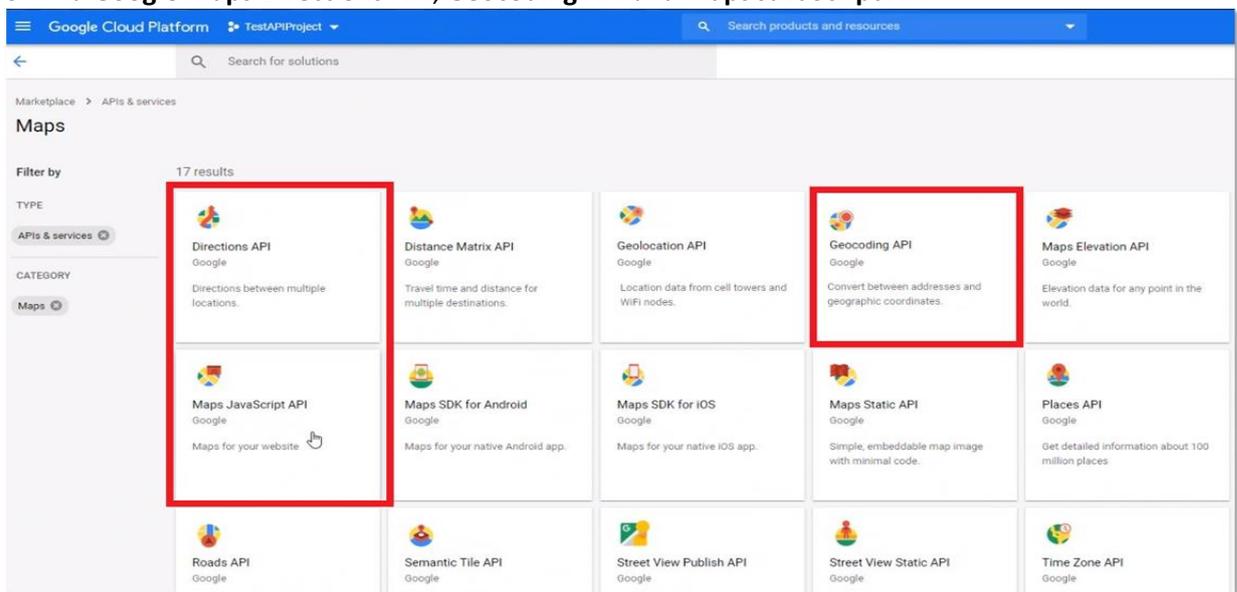
In order to use Google Maps in Dynamics 365 - Google Maps **Directions API**, **Geocoding API** and **Maps JavaScript API** must be enabled. Then Google Maps API Key can be generated.

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

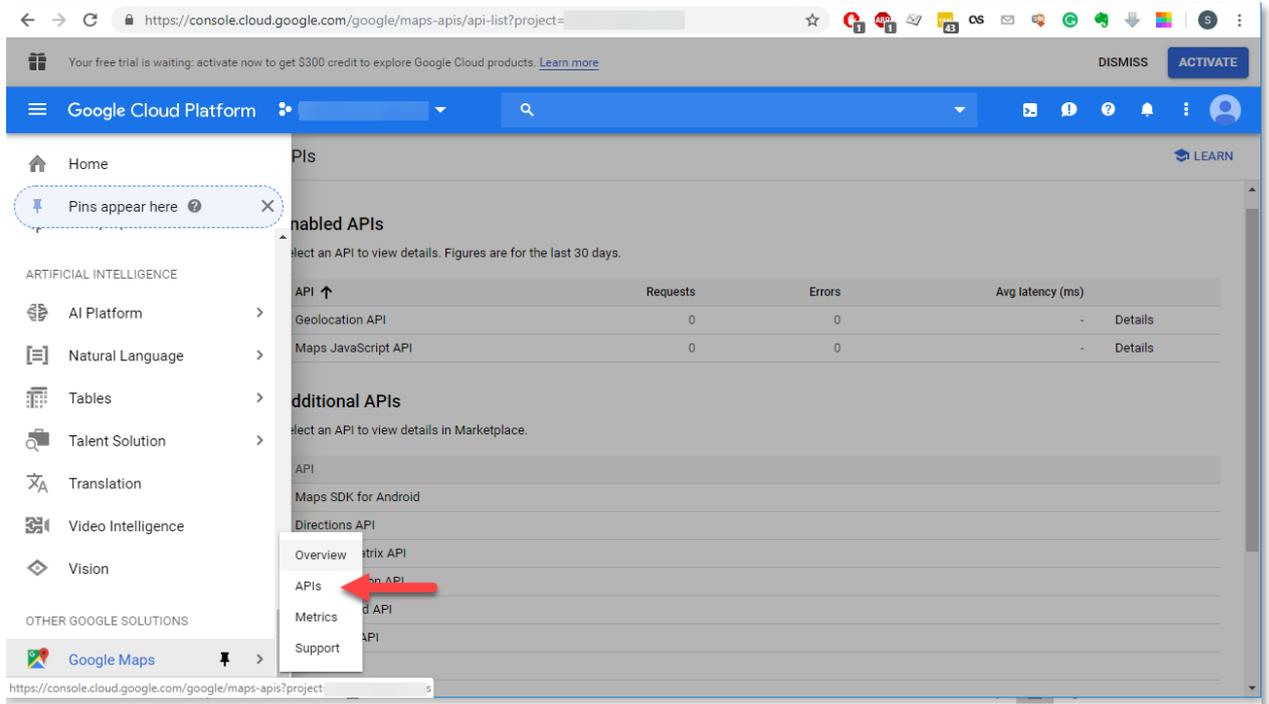


## 3. Find Google Maps Directions API, Geocoding API and Maps JavaScript API

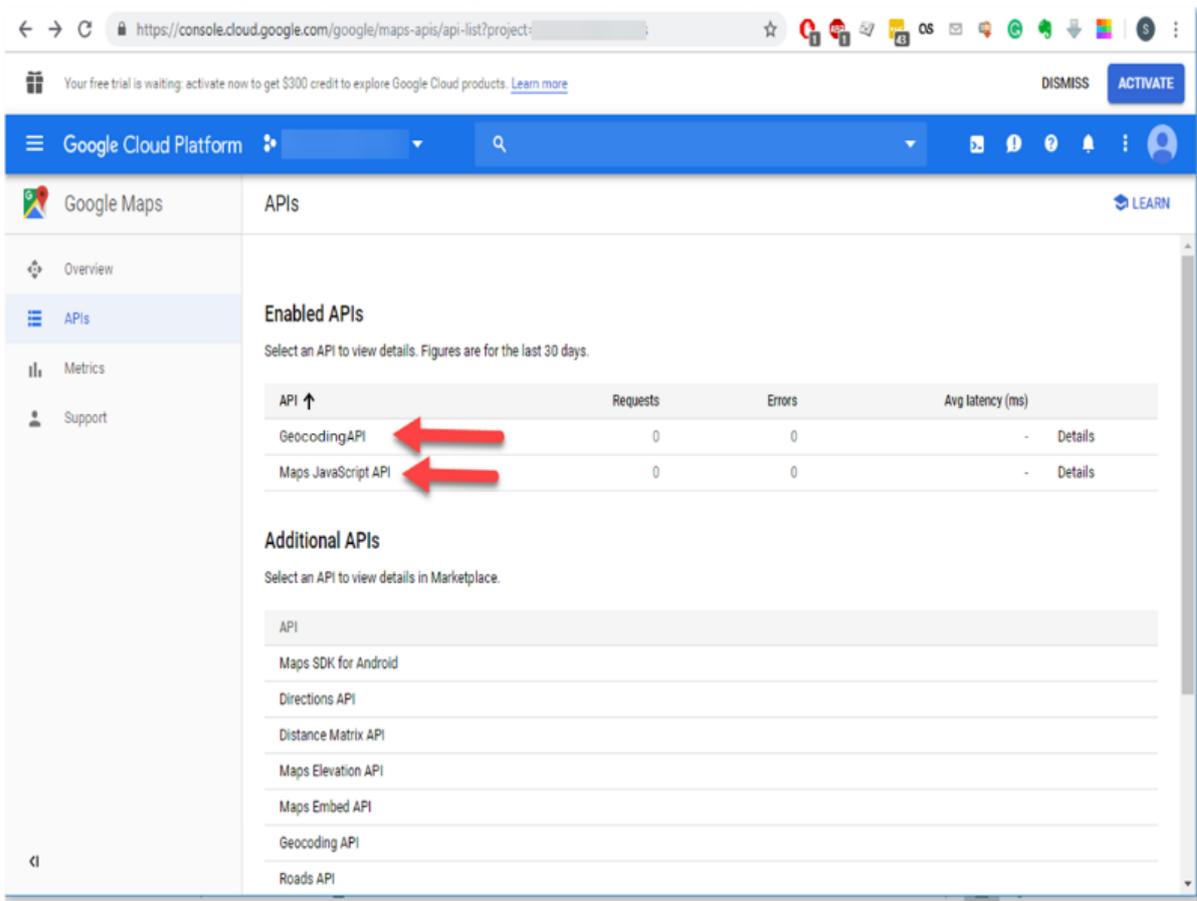


## 4. Enable Google Maps Directions API, Geocoding API and Maps JavaScript API

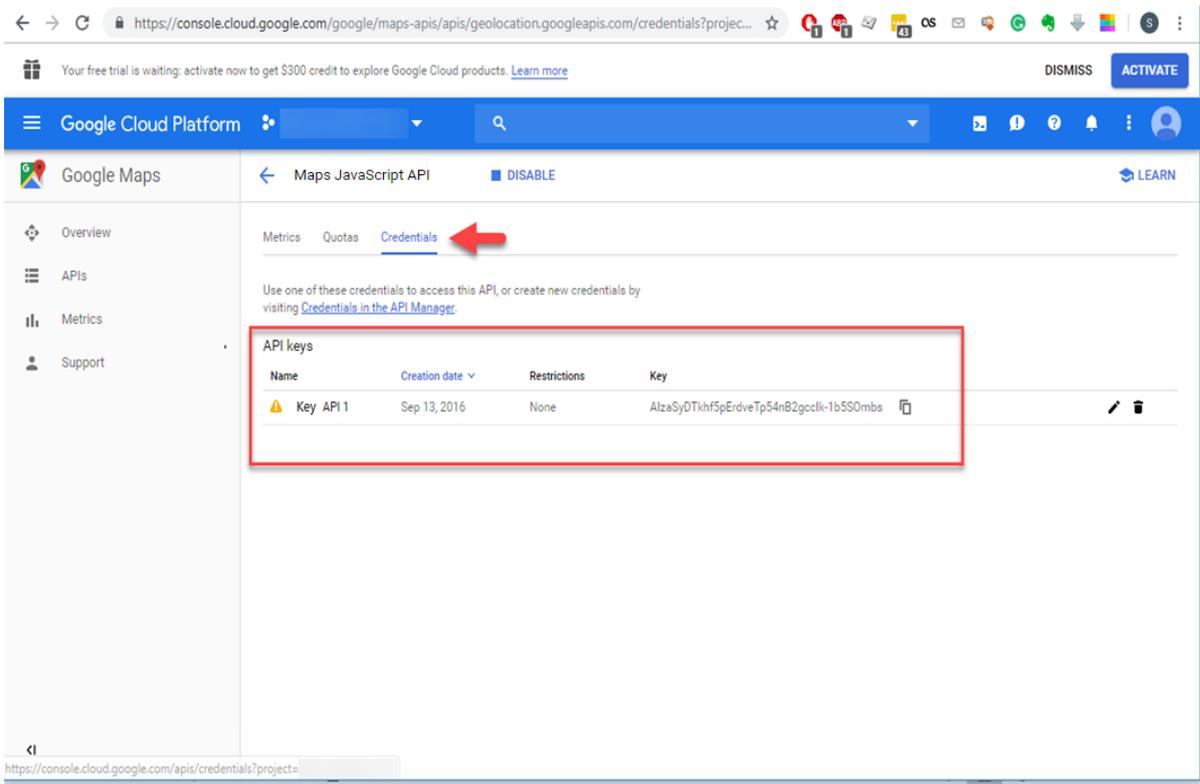
## 5. Go to Google Maps -> APIs section again



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

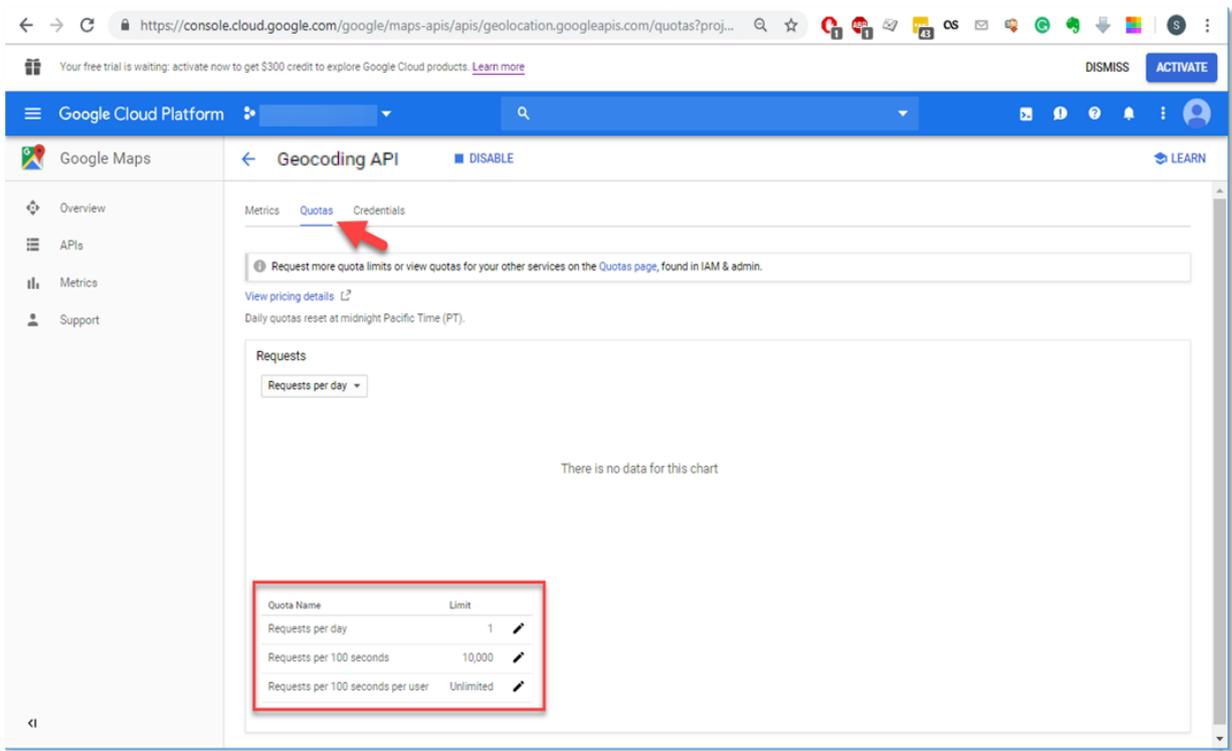


## 7. Click on Credentials to find API key



## 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



Find more information about Geocoding API Usage and Billing following this link [https://developers.google.com/maps/documentation/geocoding/usage-and-billing?hl=en\\_US](https://developers.google.com/maps/documentation/geocoding/usage-and-billing?hl=en_US)

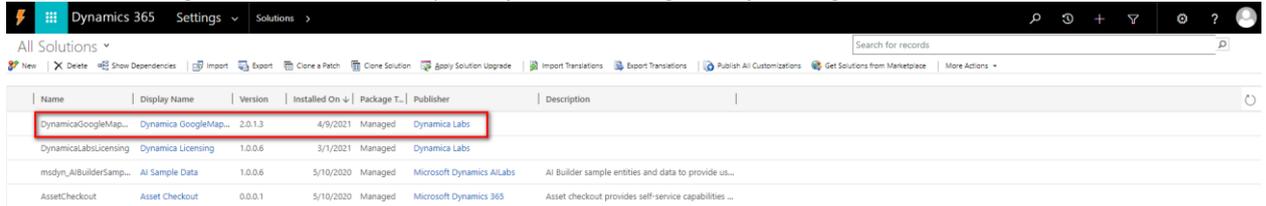
# How to configure Dynamica Google Maps Integration solution

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

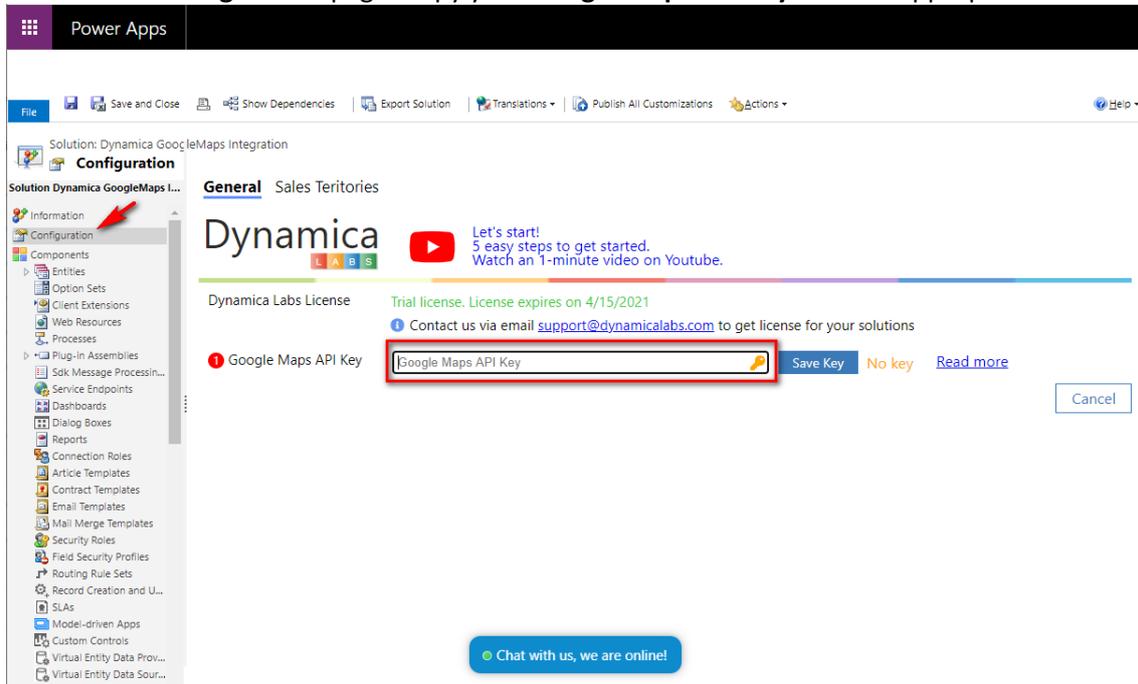
1. Assign security roles to users:

- **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.

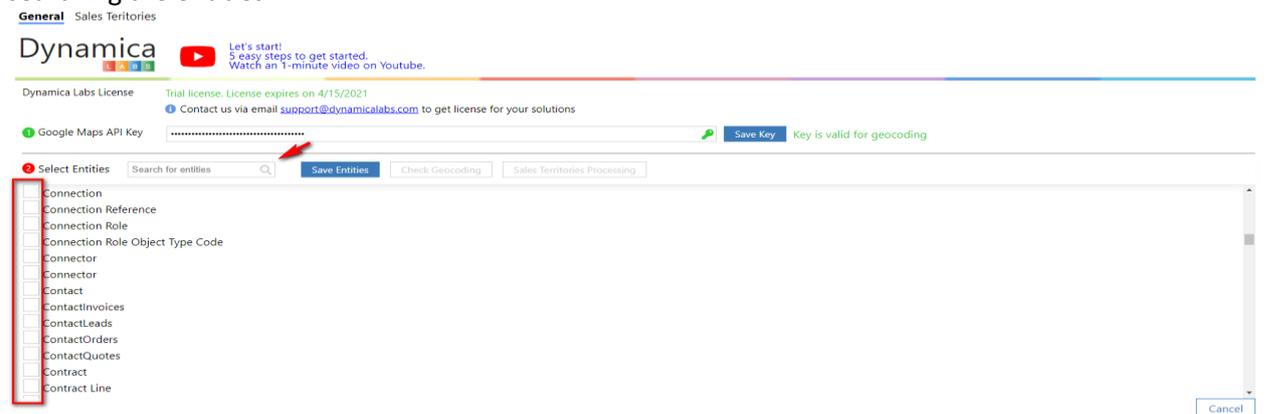
2. Go to **Settings -> Solutions** and open **Dynamica Google Maps Integration** solution.



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.



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.

2 Select Entities

[Deprecated] Data Analytics Admin Settings  
 [Deprecated] Dynamics Customer Service Analytics  
 Account  Long/Lat in related record

Field	Long	Lat
Address 1: Country/Region		
Address 1: County		
Address 1: Fax		
Address 1: Freight Terms		
Address 1: Latitude	<input type="radio"/>	<input checked="" type="radio"/>
Address 1: Longitude	<input checked="" type="radio"/>	<input type="radio"/>
Address 1: Name		
Address 1: Post Office 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

Field	Sales Territory	Map Tooltip	Field add	Long	Lat
(Deprecated) Traversed Path		<input type="checkbox"/>	Address 1		
Account		<input type="checkbox"/>	Address 1: City		
Account		<input type="checkbox"/>	Address 1: Country/Region		
Actual Close Date		<input type="checkbox"/>	Address 1: County		
Actual Revenue		<input type="checkbox"/>	Address 1: Fax		
Actual Revenue (Base)		<input type="checkbox"/>	Address 1: Latitude	<input type="radio"/>	<input checked="" type="radio"/>
Budget		<input type="checkbox"/>	Address 1: Longitude	<input checked="" type="radio"/>	<input type="radio"/>

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.

3 Select Entities

[Deprecated] Data Analytics Admin Settings  
 [Deprecated] Dynamics Customer Service Analytics  
 Account  Long/Lat in related record [Hide](#)

Field	Long	Lat	Sales Territory	Map Tooltip	Part of Address
Account Number				<input type="checkbox"/>	<input type="checkbox"/>
Account Rating				<input type="checkbox"/>	<input type="checkbox"/>
Address 1				<input type="checkbox"/>	<input checked="" type="checkbox"/>
Address 1: Address Type				<input type="checkbox"/>	<input type="checkbox"/>
Address 1: City				<input type="checkbox"/>	<input type="checkbox"/>
Address 1: Country/Region				<input type="checkbox"/>	<input type="checkbox"/>
Address 1: County				<input type="checkbox"/>	<input type="checkbox"/>
Address 1: Fax				<input type="checkbox"/>	<input type="checkbox"/>

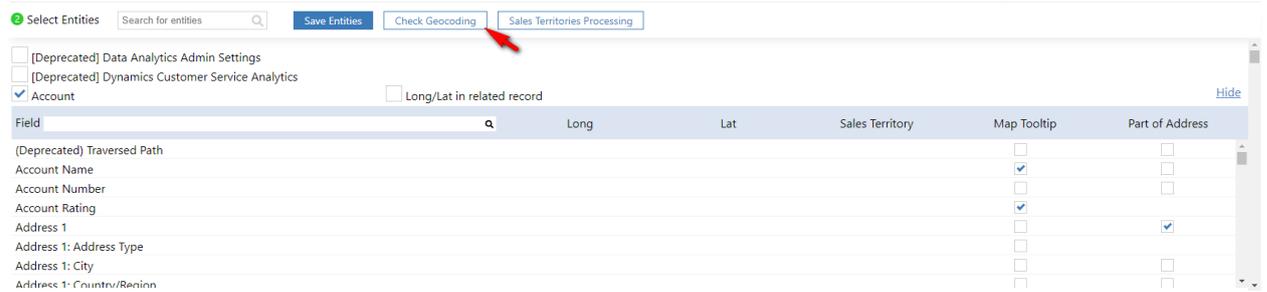
8. Select in the **Map Tooltip** all the fields that you need to be displayed in the Results when you click on the marker on the map.

4 Select Entities

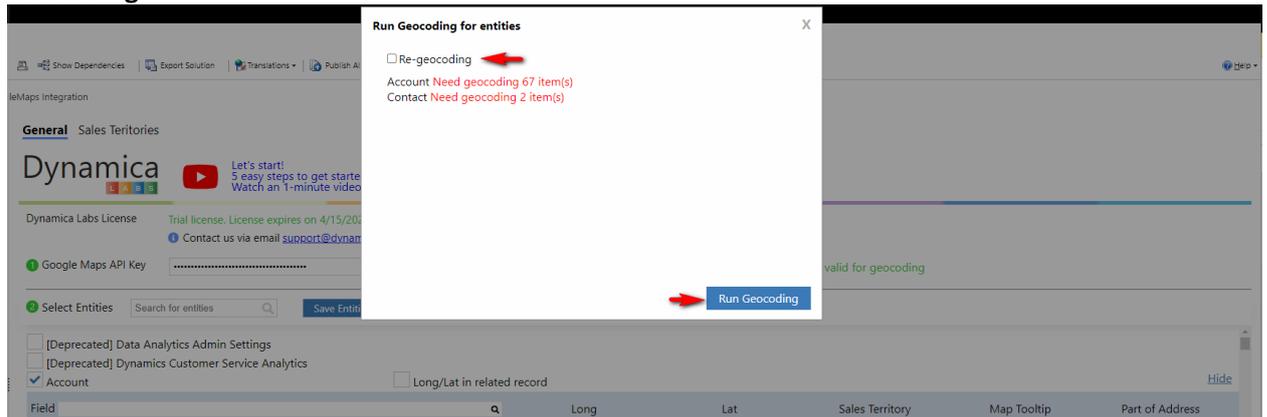
[Deprecated] Data Analytics Admin Settings  
 [Deprecated] Dynamics Customer Service Analytics  
 Account  Long/Lat in related record

Field	Long	Lat	Sales Territory	Map Tooltip
(Deprecated) Traversed Path				<input type="checkbox"/>
Account Name				<input checked="" type="checkbox"/>
Account Number				<input type="checkbox"/>
Account Rating				<input checked="" type="checkbox"/>
Address 1				<input type="checkbox"/>
Address 1: Address Type				<input type="checkbox"/>
Address 1: City				<input type="checkbox"/>
Address 1: Country/Region				<input type="checkbox"/>

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

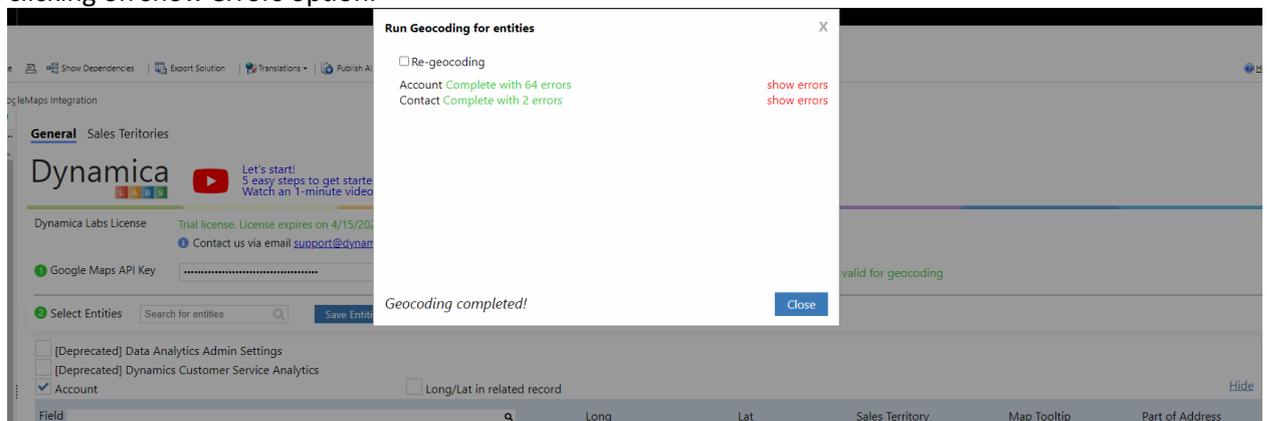


10. In the modal window, that appears, the selected records and their number are visible. Click **Run Geocoding**.



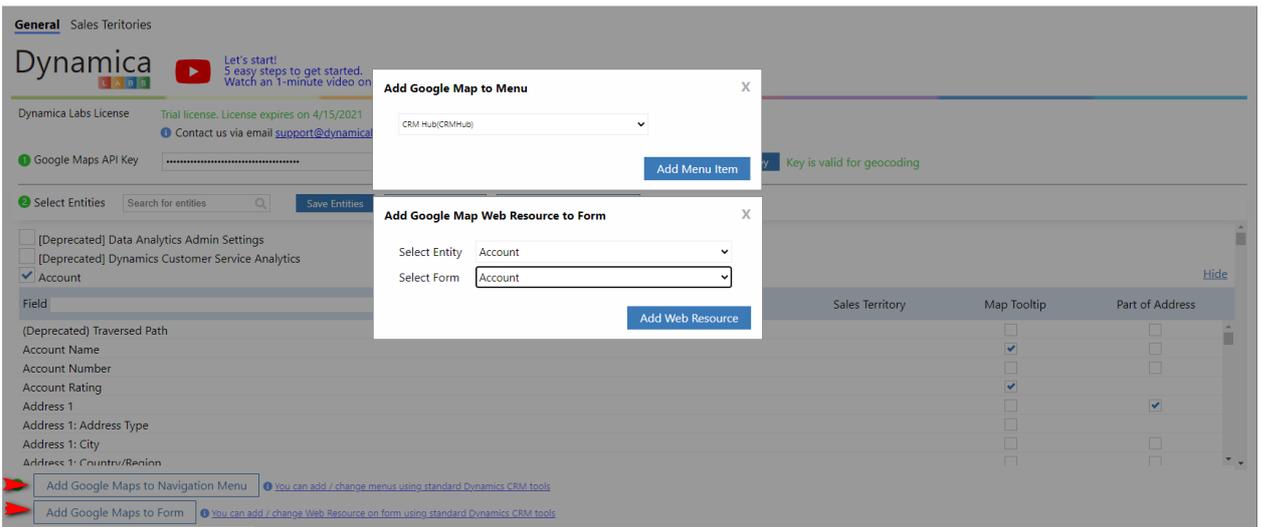
If the geocoding data was changed after the geocoding was completed, select the **Re-geocoding** option and start the geocoding again.

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

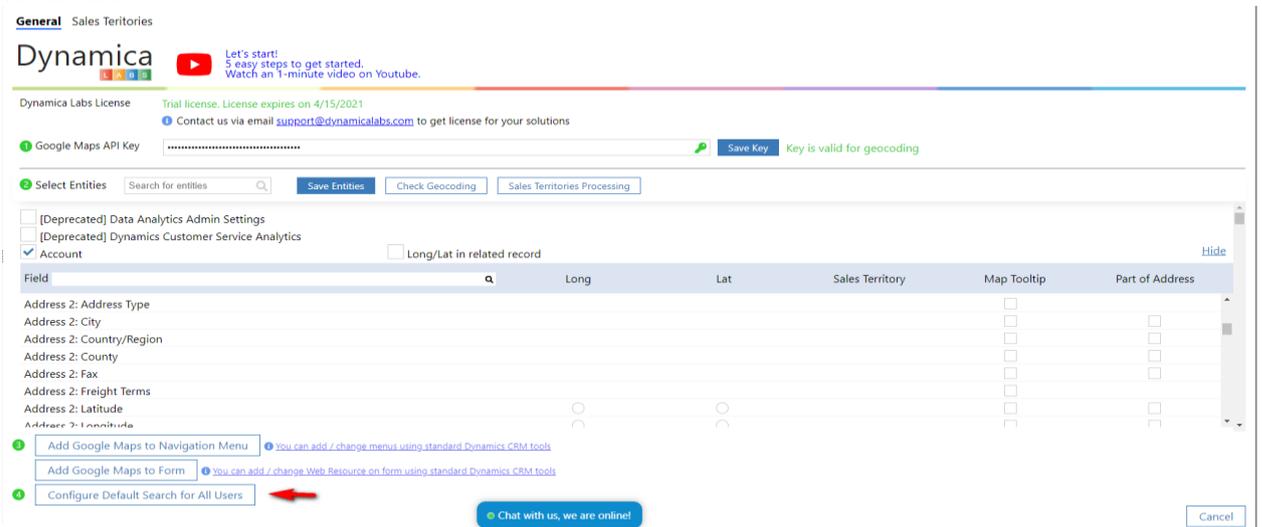


12. Click to the **Add Google Maps to Navigation Menu** button and choose the Model-Driven application, in which you want to add the Google Maps Integration solution. Click to the **Add Menu Item** button and close the window.

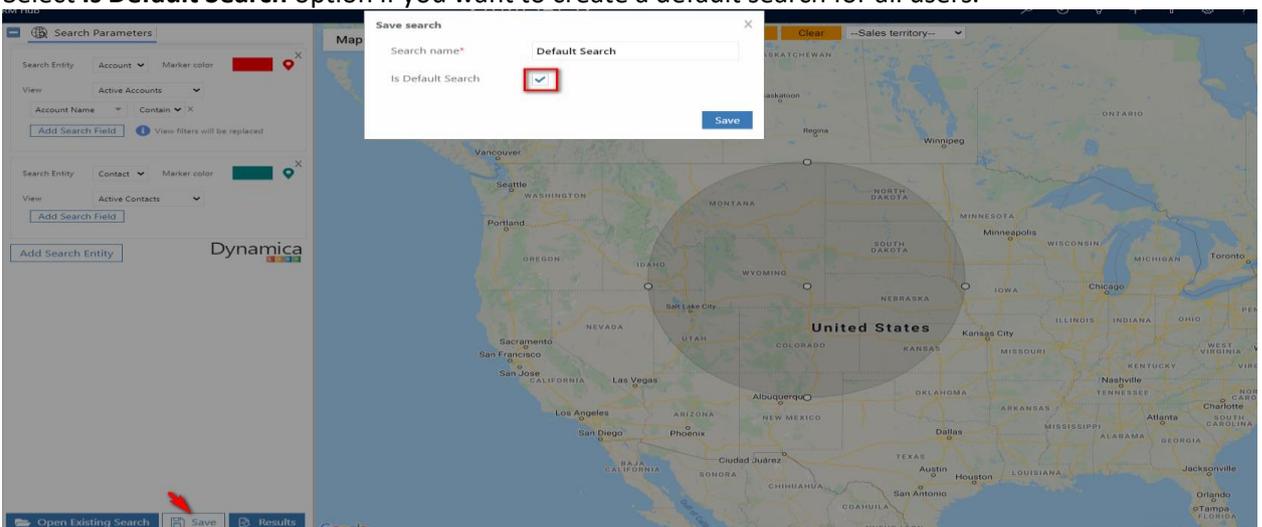
Click the **Add Google Maps to Form** button and select entity and form of the entity if you want to display **Google Map Web Resource** on a specific form.



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.



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.