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AssetCloud: Set up Google GeoCoding

Scott Leonard - 2019-11-11 - in AssetCloud

This article describes how to set up your Google account and integrate it into the Google GeoCoding feature of Wasp's AssetCloud system. A certain amount of monthly calls are free; more requires a paid account from Google. For details, see this link: https://cloud.google.com/maps-platform/

1. Create a Google account if you do not already have one. When setting up the account you can select Places:

🔀 🛛 Enable Googl	Enable Google Maps Platform				
To enable APIs or set up bi	To enable APIs or set up billing, we'll guide you through a few tasks:				
1. Pick product(s) below					
2. Select a project	2. Select a project				
3. Set up your billing	3. Set up your billing				
Maps Build customized map experiences that bring the real world to your users.	Routes Give your users the best way to get from A to Z.	Places Help users discover the world with rich details.			
		CANCEL CONTINUE			

2. Go to Billing and set up a payment method:

≡	Google Cloud Platform	💲 Maps 👻
	Home	verview
Ŧ	Pins appear here 🔞 🛛 🗙	Charles and the second
<u>کې</u>	Marketplace	
	Billing F	

3. Go to this link to create a project:

https://cloud.google.com/console/google/maps-apis/overview

New Project					
A You have 11 projects remaining in your quota. Request an increase or delete projects. Learn more					
	MANAGE QUOTAS				
Project r	name.*				
AssetCl	AssetCloud Map project 2				
Project ID: assetcloud-map-project. It cannot be changed later. EDIT					
Location *					
🖽 No o	organization	BROWSE			
Parent organization or folder					
CREATE	CANCEL				

4. Select GeoCoding API and Maps JavaScript API and Enable them. You can disable the rest of the APIs.

					5. U V
Pis and services.					
a	4	٨		4	6
Maps SDK for Android Google	Roads API Google	Places API Google	Maps JavaScript API Google	Maps Embed API Google	Time Zone API Google
Maps for your native Android app.	Snap-to-road functionality to accurately trace GPS breadcrumbs.	Get detailed information about 100 million places	Maps for your website	Make places easily discoverable with interactive Google Maps.	Time zone data for anywhere in the world.
4	•	*	•	*	<u>.</u>
Maps SDK for iOS Google	Maps Elevation API Google	Directions API Google	Maps Static API Google	Geocoding API Google	Street View Static API Google
Maps for your native IOS app.	Elevation data for any point in the world.	Directions between multiple locations.	Simple, embeddable map image with minimal code.	Convert between addresses and geographic coordinates.	Real-world imagery and panoramas.
	Pis and services.	P8 and services.	PR and services.	PR and services. PR and services. Provide services. Maps SDK for Android Google Provide services. Provide services. Provide services. Maps SDK for Android Google Brand behaved functionality to accurately stace GPB breadscripts. Provide services. Maps JavaScript API Google Gene for your native Android app. Image for your native Android app. Image for your native Android app. Maps Script API Google Maps for your vebate Maps SDK for IOS Google Image Exerction API Google Image Script API Breactions API Google Maps Static API Google Maps Static API Google Maps for your native IOS app. Evention data for any point in the word. Directions between multiple Directions. Brands and apper	PR and services.

5. Setup API Key:



Credentials

٩	Dashboard	Create credentials 🝷 Delete		
Ш	Library	API key Identifies your project using a simple API key to check quota and access		
0+	Credentials	OAuth client ID		
:2	OAuth consent screen	Service account key		
~	Domain verification	Enables server-to-server, app-level authentication using robot accounts		
≡¢	Page usage agreements	Help me choose Asks a few questions to help you decide which type of credential to use		



6. Restrict Key: Set restriction to "HTTP referrers (web sites)".

You can put in your Tenant URL in the website restriction for better security. Be sure to enter your own full AssetCloud tenant URL, not the example from the screenshot.

API	APIs & Services	←	Restrict and rename API key C REGENERATE KEY 📋 DELETE	
<>	Dashboard			
ш	Library		API key 1	
0+	Credentials			
ijУ	OAuth consent screen		Key restrictions	
	Domain verification		Restrictions help prevent unauthorized use and quota theft. Learn more 🖉	
Ξů	Page usage agreements		Application restrictions An application restriction controls which websites, IP addresses, or applications can use your API key. You can set one application restriction per key. None HTTP referrers (web sites) IP addresses (web servers, cron jobs, etc.) Android apps IOS apps Website restrictions Restrict key usage requests to the specified websites. If left blank, your API key will accept requests from any website. Inttps://YourTenant.waspassetcloud.com ADD AN ITEM ADD AN ITEM Prestrictions API restrict key This key can call any API Restrict key This key can call any API Restrict key Restrict key This key can call any API Restrict key Restri	
			O Note that the Google Places API does not yet enforce API restrictions. Disable the API if you want to prevent usage of that API on this key.	
<1			2 APIs 🗸	

Website restrictions

Restrict key usage requests to the specified websites.

A	If left blank, your API key will accept requests from any website.	
https://tenant.waspassetcloud.com		
ADD A	N ITEM	

7. Now you can use the key in AssetCloud. Go to Settings and search for google. Insert the API you created and click Validate.

AssetCloud	≡	Working Site (All Sites) 😗 🌲 🌼
🔒 Assets 🔅	Settings Application Settings	
rransactions	Search Google	
💝 Maintenance	G	oogle Maps API Key
Q Lookups :	Decimal Places(of Monetary Numbers) Enter	your Google Maps API key here to use enhanced geo location features. If you would like a Google Maps API key, please visit their website: https://cloud.google.com/maps-
🖹 Audit	Due Date On Next Week Day	
🛞 Reports 🗧	Edit Field Names	Verifiging promotion to the other tests of the other sectors and t
io Users :	Google Maps API Key	verit Asset Type Data

8. Enhanced Google Maps will now show on the asset GeoLocation tab.