

# Google cloud platform project

Deploy function on Google Cloud (Cloud Function)

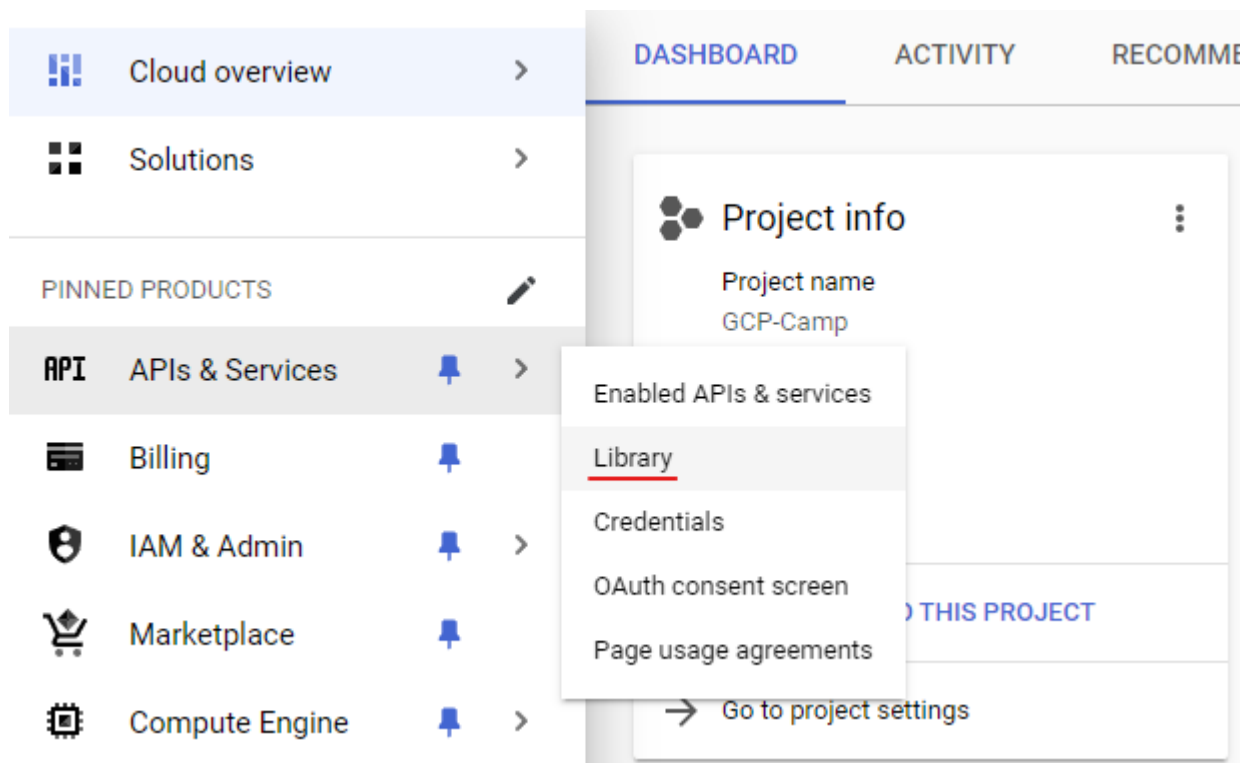
By Faisal Alkhrayef

## Guidelines:

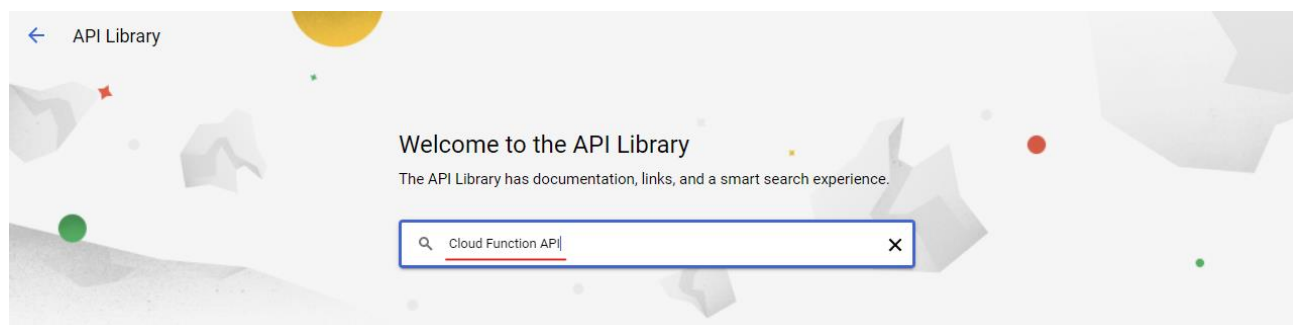
1. Make your own GCP account.
2. Go to Cloud Function and create your function.
3. deploy your function.

## Enable Cloud Function API:

Navigate to APIs Library:



Search for: Cloud Function API





## Cloud Functions API

Google Enterprise API [?](#)

Manages lightweight user-provided functions executed in response to events.



## Cloud Functions API

[Google Enterprise API](#)

Manages lightweight user-provided functions executed in response to events.

ENABLE

TRY THIS API [↗](#)

Click to enable this API

### Create Function:

Find your way to Cloud Function by either navigating through the dashboard or just search: Cloud Function

Then click Create Function:

Cloud Functions

Functions

+

CREATE FUNCTION

↺

REFRESH

🎓

LEARN

📖

RELEASE NOTES

☰

Filter

Filter functions

?

☰

Environment

Name

↑

Last deployed

Region

Recommendation

Trigger

Runtime

Memory allocated

No rows to display



### Welcome to Cloud Functions!

Cloud Functions is a lightweight, event-based, asynchronous compute solution that allows you to create small, single-purpose functions that respond to cloud events - without the need to manage a server or a runtime environment.

[Learn More](#) [↗](#)

[CREATE FUNCTION](#)

[TAKE A QUICK START](#) [↗](#)

## Cloud Function Settings:



Cloud Functions



Create function

1

Configuration

2

Code

### Basics

Environment

2nd gen



Function name \*

function-1



Region \*

us-central1 (Iowa)



### Trigger

Trigger type

HTTPS



#### URL

<https://us-central1-gcp-423112.cloudfunctions.net/function-1>



#### Authentication ?



Allow unauthenticated invocations

Check this if you are creating a public API or website.



Require authentication

Manage authorized users with Cloud IAM.

Click next and enable APIs if needed.

Here you can code your function with different programming languages:

Cloud Functions

Create function

LEARN

Configuration — **2 Code**

Runtime  
Node.js 20

Entry point \*  
helloHttp

TEST FUNCTION

Source code  
Inline Editor

index.js

package.json

Press Alt+F1 for Accessibility Options.  
1 `const functions = require('@google-cloud/functions-framework');`  
2  
3 `functions.http('helloHttp', (req, res) => {`  
4  `res.send(`Hello ${req.query.name || req.body.name || 'World'}!`);`  
5 `});`  
6

PREVIOUS **DEPLOY** CANCEL

After finishing your code click DEPLOY

Now let’s test our function:

Click: TESTING

Cloud Functions

Function details

EDITDELETECOPY

LEARN

function-12nd gen

(Deployed at May 19, 2024, 12:34:27 AM) URL: https://us-central1-gcp-423112.cloudfunctions.net/function-1

Powered by Cloud Run

METRICSDETAILSSOURCEVARIABLESTRIGGERPERMISSIONSLOGSTESTING

DashboardPredefined

1 hour6 hours12 hours1 day2 days4 days7 days14 days30 days

Invocations/Second

No data is available for the selected time frame.

UTC+311:50 PMMay 1912:10 AM12:20 AM12:30 AM

0 time series

Execution time

No data is available for the selected time frame.

UTC+311:50 PMMay 1912:10 AM12:20 AM12:30 AM

0 time series

Click: TEST THE FUNCTION

Cloud Functions

Function details

EDITDELETECOPY

LEARN

function-12nd gen

(Deployed at May 19, 2024, 12:34:27 AM) URL: https://us-central1-gcp-423112.cloudfunctions.net/function-1

Powered by Cloud Run

METRICSDETAILSSOURCEVARIABLESTRIGGERPERMISSIONSLOGSTESTING

Configure triggering event

Press Alt+F1 for Accessibility Options.

1{

2  "name": "Hello World"

3 }

TEST THE FUNCTION

Query parameters

+ ADD QUERY PARAMETER

Headers

+ ADD HEADER

Output

\$ Hello Hello World!

Logs

Streaming logs...

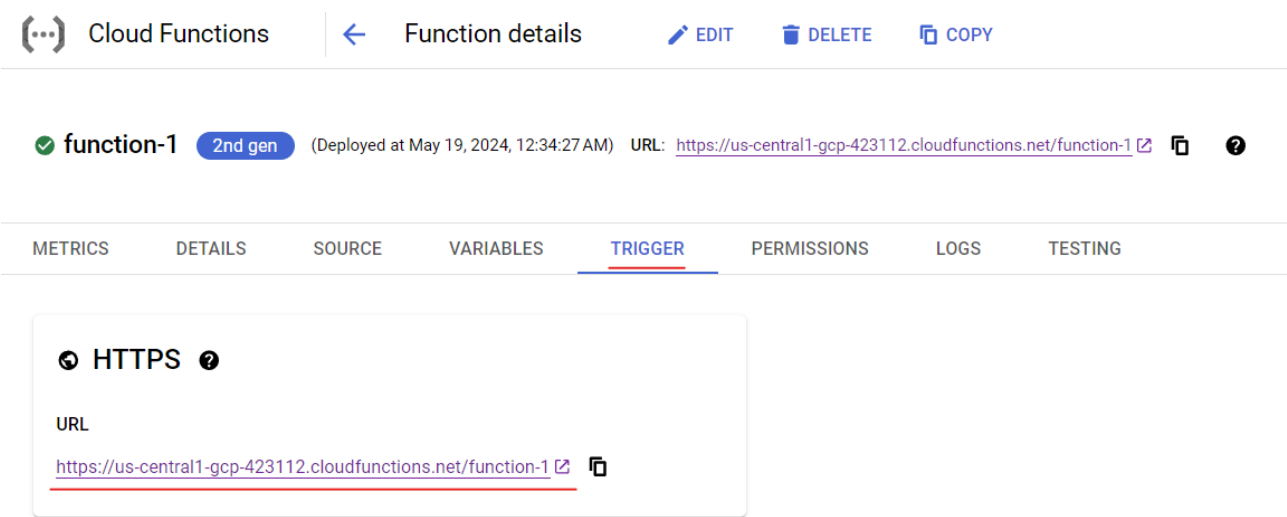
SEVERITY	TIMESTAMP	SUMMARY
> i	2024-05-19 00:32:44.977 EAT	namespaces/gcp-423112/services/func...
> i	2024-05-19 00:33:39.294 EAT	namespaces/gcp-423112/services/func...
> i	2024-05-19 00:34:24.575 EAT	Default STARTUP TCP probe succeeded after 1 ...
> i	2024-05-19 00:34:24.653 EAT	Cloud Run v1 function-1-00001-dih (@typ...
> i	2024-05-19 00:34:26.013 EAT	Cloud Run v1 function-1 (@type: type.go...
> i	2024-05-19 00:35:34.937 EAT	GET 200 665 B 161 ms Chrome 125 https://...
> i	2024-05-19 00:35:46.684 EAT	Default STARTUP TCP probe succeeded after 1 ...

No newer entries found matching current filter.

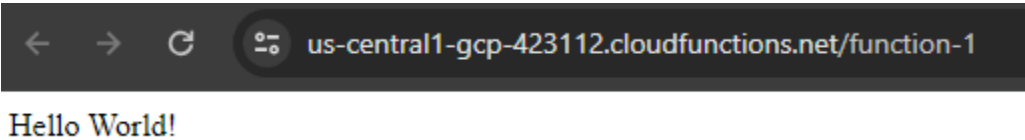
And there you go. Our function is working.

With logs underneath the output too!

You can also trigger the function by going to the TRIGGER window and clicking on the link:



Here is the result:



We successfully deployed a cloud function on Google Cloud Platform.  
Hope this documentation helps.