

Set up tutorial for the lambda function

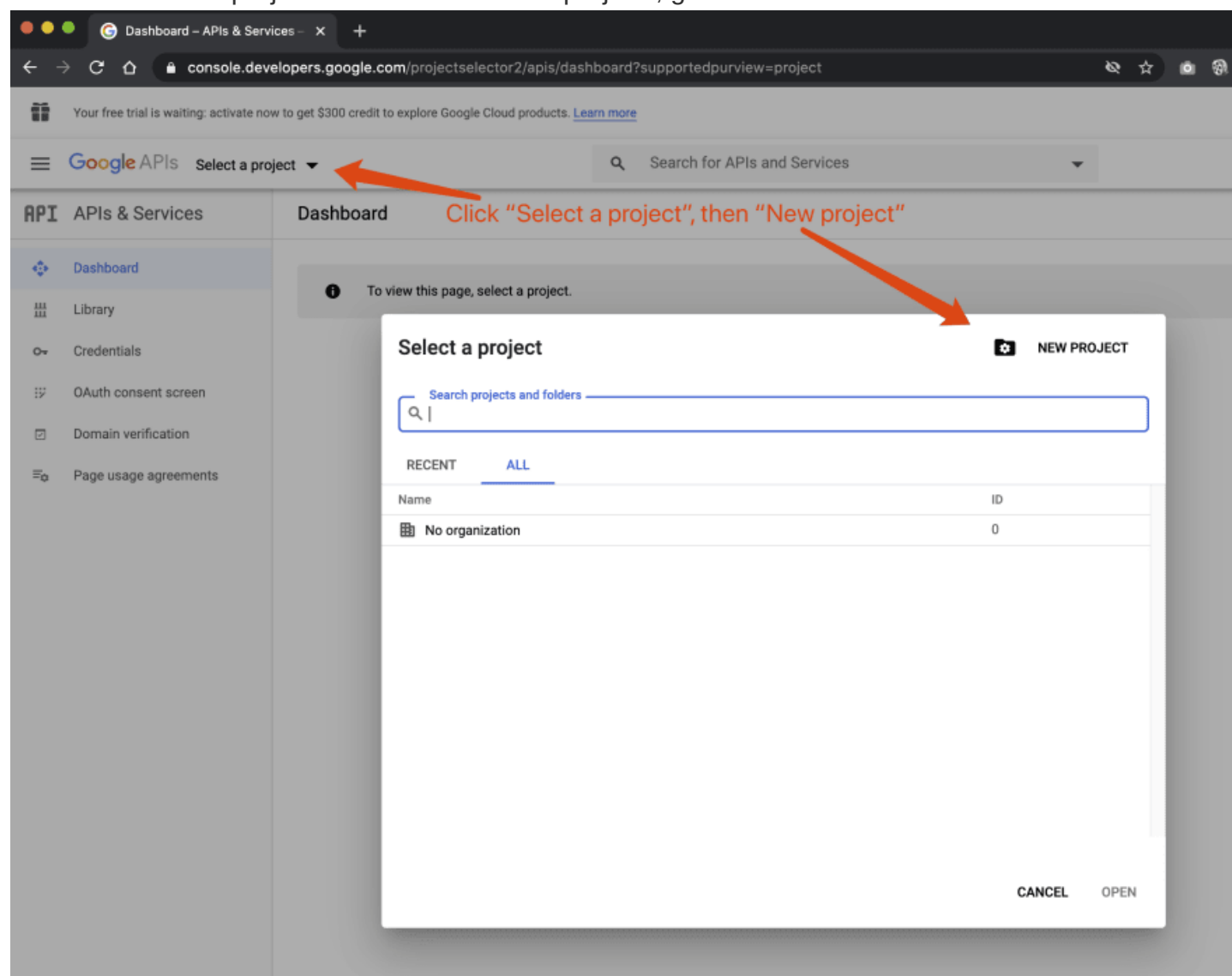
Here are the detailed step-by-step instructions with screenshots:

Spreadsheet

Go to Google's developer console:

<https://console.developers.google.com/>

Click on "Select a project" then click on "New project", give it a name.





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Google APIs



Search for AP

New Project



You have 12 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

Project name *

Demo



Project ID: authentic-genre-280507. It cannot be changed later. [EDIT](#)

Location *



No organization

[BROWSE](#)

Parent organization or folder

[CREATE](#)

[CANCEL](#)

Click on "Credentials" then click on "Manage service accounts", then click on "Create service account".

Google APIs Demo

Search for APIs and Services

APIs & Services

Dashboard

Library

Credentials

OAuth consent screen

Domain verification

Page usage agreements

Credentials + CREATE CREDENTIALS DELETE

Create credentials to access your enabled APIs. [Learn more](#)

Remember to configure the OAuth consent screen with information about your application. [CONFIGURE CONSENT SCREEN](#)

API Keys

Click on "Credentials" then "Manage service accounts"

<input type="checkbox"/>	Name	Creation date ↓	Restrictions	Key	Usage with all services (last 30 days) ?
No API keys to display					

OAuth 2.0 Client IDs

<input type="checkbox"/>	Name	Creation date ↓	Type	Client ID
No OAuth clients to display				

Service Accounts

<input type="checkbox"/>	Email	Name ↑	Usage with all services (last 30 days) ?
No service accounts to display			

[Manage service accounts](#)

Google APIs Demo

Search for APIs and Services

IAM & Admin

- IAM
- Identity & Organization
- Policy Troubleshooter
- Organization Policies
- Quotas
- Service Accounts**
- Labels
- Settings
- Cryptographic Keys
- Identity-Aware Proxy

Service accounts [+ CREATE SERVICE ACCOUNT](#) DELETE

Service accounts for project "Demo"

A service account represents a Google Cloud service identity, such as code running on Compute Engine VMs, App Engine apps, or systems [about service accounts](#).

Organization policies can be used to secure service accounts and block risky service account features, such as automatic IAM Grants, key service accounts entirely. [Learn more about service account organization policies](#).

Filter table

<input type="checkbox"/>	Email	Status	Name ↑	Description	Key ID	Key creation date	Actions
No rows to display							

Add a name and description, then click "Create"

Google APIs Demo

Search for APIs and Services

IAM & Admin

- IAM
- Identity & Organization
- Policy Troubleshooter
- Organization Policies
- Quotas
- Service Accounts**
- Labels
- Settings
- Cryptographic Keys
- Identity-Aware Proxy
- Roles
- Audit Logs

Create service account

- Service account details
- Grant this service account access to project (optional)
- Grant users access to this service account (optional)

Service account details

Service account name
Demo

Display name for this service account

Service account ID
demo-330 @auth... iam.gserviceaccount.com X ↺

Service account description
Connect to Google Sheets

Describe what this service account will do

[CREATE](#) [CANCEL](#)

Click "Continue" on the "Service account permissions" page, as it is optional.

Click "Done" on "Grant users access to this service account" page, as it is also optional.

Click "Create key" under the Actions column.

Google APIs Demo

Search for APIs and Services

IAM & Admin

Service accounts + CREATE SERVICE ACCOUNT DELETE SHOW INFO PANEL

Service accounts for project "Demo"

A service account represents a Google Cloud service identity, such as code running on Compute Engine VMs, App Engine apps, or systems running outside Google. [Learn more about service accounts.](#)

Organization policies can be used to secure service accounts and block risky service account features, such as automatic IAM Grants, key creation/upload, or the creation of service accounts entirely. [Learn more about service account organization policies.](#)

Filter table

<input type="checkbox"/>	Email	Status	Name ↑	Description	Key ID	Key creation date	Actions
<input type="checkbox"/>	demo-330@authentic-iam.googleapis.com	✓	Demo	Connect to Google Sheets	No keys		<div><div>Edit</div><div>Disable</div><div>Create key</div><div>Delete</div></div>

Click here

Select the default "JSON" and Google will download a key file to your default download folder.

Create private key for "Demo"

Downloads a file that contains the private key. Store the file securely because this key can't be recovered if lost.

Key type

☒ JSON
Recommended

☐ P12
For backward compatibility with code using the P12 format

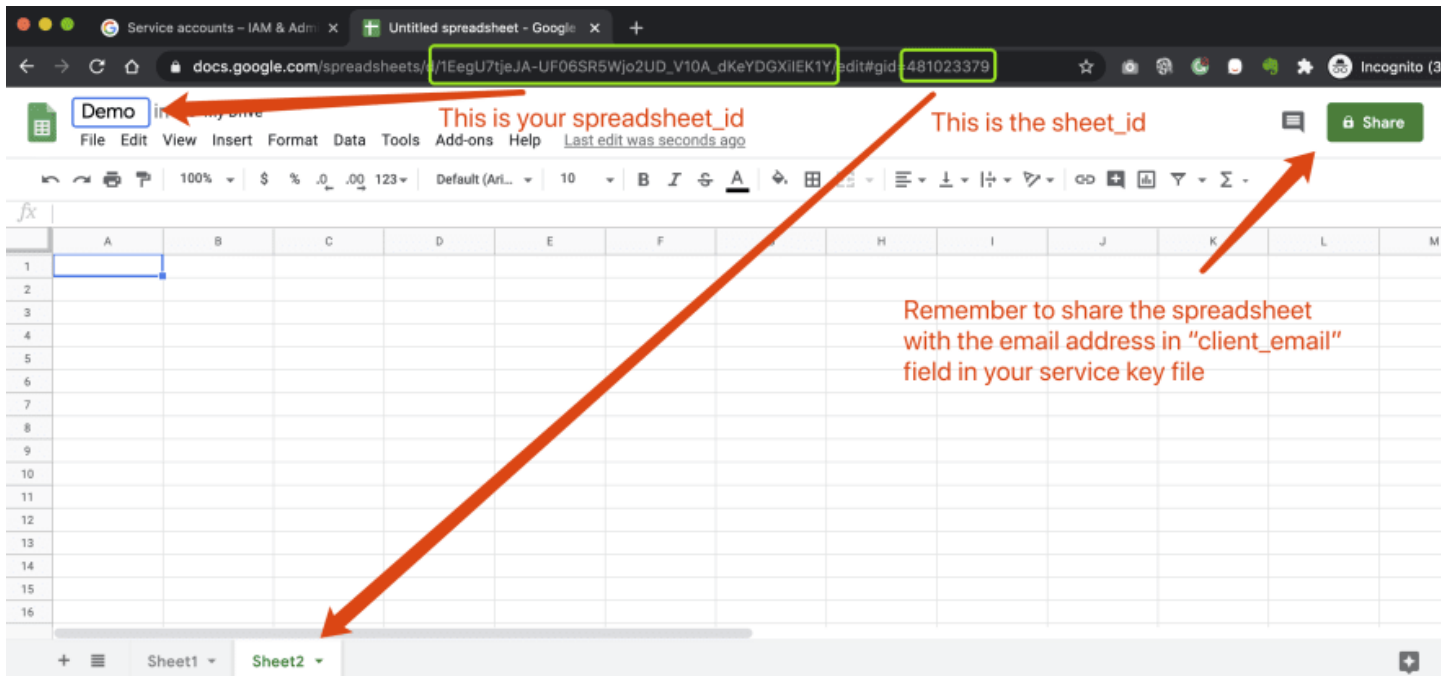
CANCEL CREATE

If you open the JSON file, there are two fields you'll need: "private_key" and "client_email"

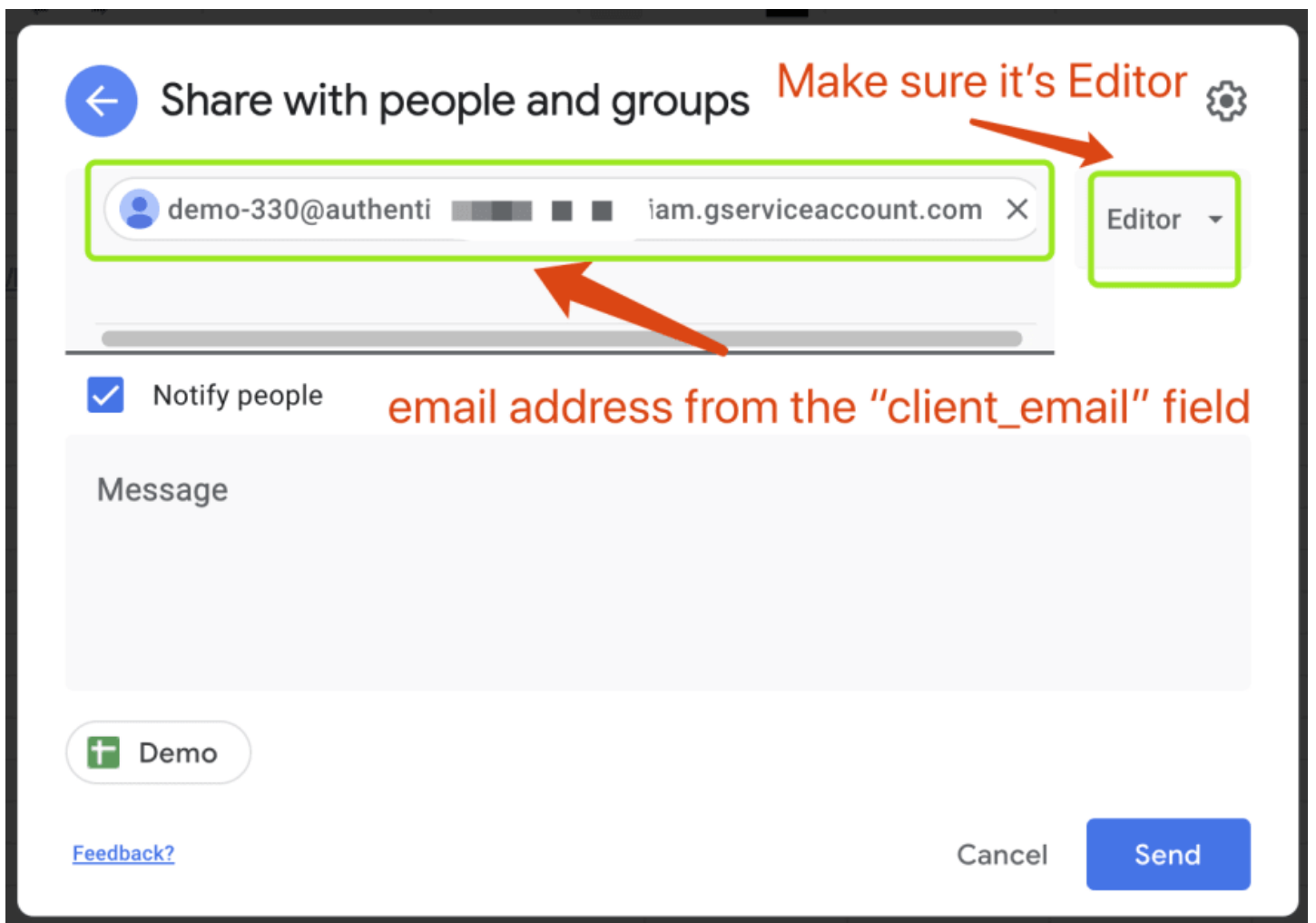
```
"type": "service_account",
"project_id": " ",
"private_key_id": " ",
"private_key": "-----BEGIN PRIVATE
KEY
-----END PRIVATE KEY-----",
"client_email": "demo-33@i.gserviceaccount.com",
"client_id": " ",
"auth_uri": "https://accounts.google.com/o/oauth2/auth",
"token_uri": "https://oauth2.googleapis.com/token",
"auth_provider_x509_cert_url": "https://www.googleapis.com/oauth2/v1/certs",
"client_x509_cert_url": "https://www.googleapis.com/robot/v1/metadata/x509/
demo-33@i.gserviceaccount.com"
```

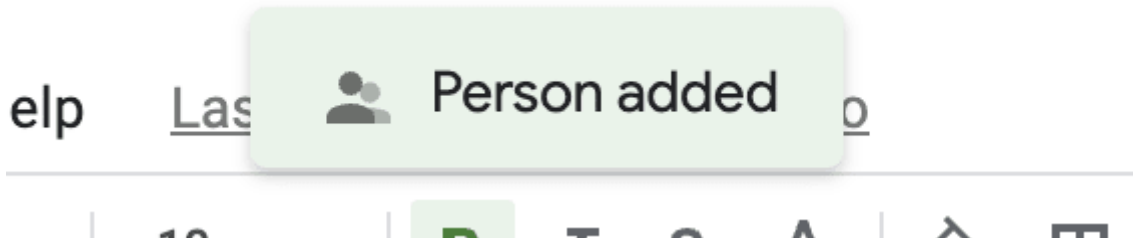
These are the two keys you need

Go to your Google Sheets and find the spreadsheet_id and sheet_id



IMPORTANT Remember to share your spreadsheet with the email address in your key file with the key client_email





Upload sample spreadsheet from [sample whitelist file](#)

SQ:Whitelist ☆ 📄 ☁

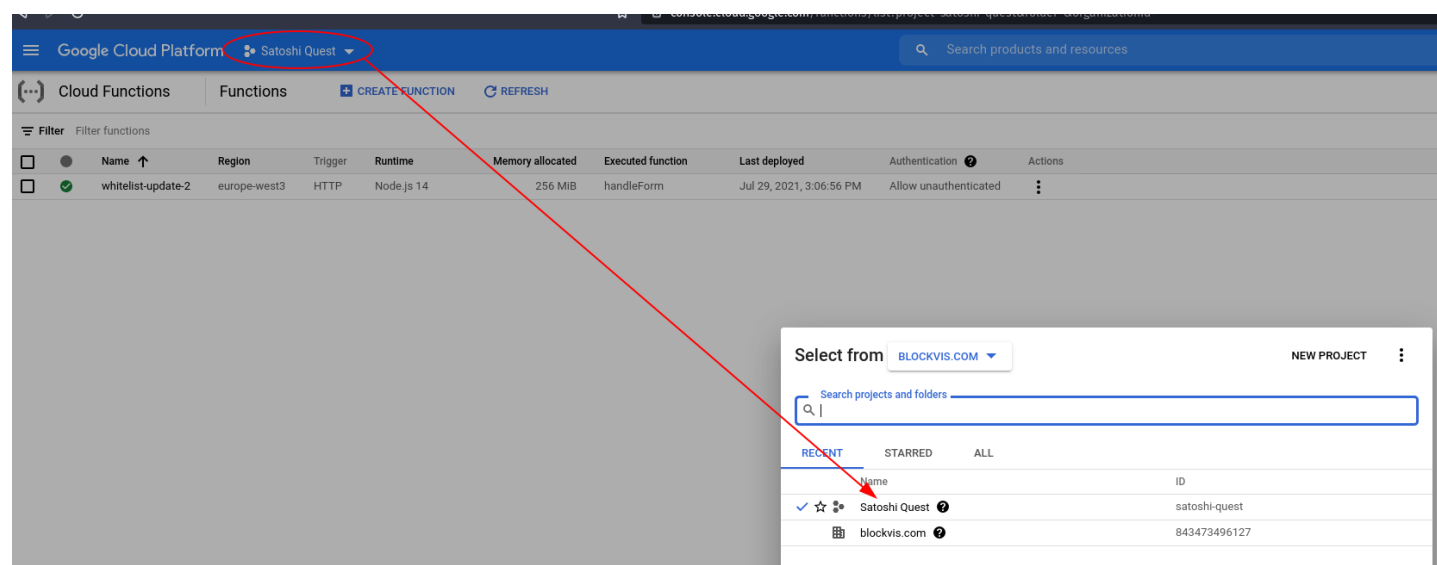
File Edit View Insert Format Data Tools Add-ons Help Last edit was seconds ago

100% \$ % .0 .00 123 Default (Ari... 10 B I S A

	A	B	C	D	E	F	G	H	I
1	Name	Company	Ether address	What are you	Phone	Email	Added value	Approved	Synced
2									
3									
4									

Lambda function

Select the previously created project




Go to Cloud Function marketplace and enable them for the project

<https://console.cloud.google.com/marketplace/product/google-cloud-platform/cloud-functions>

Then click on "GO TO CLOUD FUNCTIONS"

Google Cloud Platform

Satoshi Quest



Cloud Functions

Google

A serverless environment to build and connect cloud services

GO TO CLOUD FUNCTIONS

TAKE QUICKSTART

OVERVIEW

PRICING

DOCUMENTATION

SUPPORT

KEY FEATURES

Create a new function

Google Cloud Platform

Satoshi Quest

Cloud Functions

Functions

+ CREATE FUNCTION

REFRESH

Filter

Filter functions

	Name	Region	Trigger	Runtime	Memory allocated	Executed functions
--	------	--------	---------	---------	------------------	--------------------

Fill in the function data as in the picture below and click **SAVE**

```
# Example spreadsheet URL:
# https://docs.google.com/spreadsheets/d/16rHAH8woTm52nLI_d5tySrPHW12-nT98hUTjttHwEYg/edit#gid=0

# Use your own spreadsheet ID
SPREADSHEET_ID=16rHAH8woTm52nLI_d5tySrPHW12-nT98hUTjttHwEYg
SHEET_ID=0

# Use your service account email!
CLIENT_EMAIL=whitelist-manager@satoshi-quest.iam.gserviceaccount.com # Google Cloud Service account

# Use your service account private key!
# NOTE: As you can see, the beginning of "----- BEGIN PRIVATE" and the end have
# been removed, leaving only the private key data.
PRIVATE_KEY='MIIEvQIBADANBgkqhkiG9w0BAQFAASCBCwggSjAgEAAoIBAQC2EQ4yfW6eQXcc 1aw3J4qzZvza6akPV9o1Tez1

# This is a cookie only known to the CLI client script. used to separate `admin`
# methods. DO NOT DISCLOSE THIS TO THE PUBLIC!!!
CLI_COOKIE='whitelist-secret=secretssss'
RECAPTCHA_V2_SECRET=6LeF47EbAAAAAGZWnRxR1EyiCw-Phc7KgKMKm4tB
```


✔

whitelist-update-2

europa-west3

Trigger

⚙

HTTP

Trigger type

HTTP

▼

URL

📄

https://europa-west3-satoshi-quest.cloudfunctions.net/whitelist-update-2

✔

Require HTTPS

?

SAVE

CANCEL

RUNTIME, BUILD AND CONNECTIONS SETTINGS

^

RUNTIME

BUILD

CONNECTIONS

Memory allocated *

256 MiB

▼

Timeout *

60

seconds

?

Runtime service account

?

Runtime service account

App Engine default service account

▼

Autoscaling

?

Maximum number of instances

1

Runtime environment variables

?

Name *	Value	
SPREADSHEET_ID	16rHAH8woTm52nll_d5tySrPHW12	Spreadsheet ID, look at step 1 for further details
SHEET_ID	0	
CLIENT_EMAIL	whitelist-manager@satoshi-quest.ie	email of the spreadsheet user account (creted at step 1)
PRIVATE_KEY	MIICQDANBgkqhkiG9w0BAQEF	Private key of the spreadsheet user account (creted at step 1)

CLI_COOKIE

whitelist-secret=secretssss

RECAPTCHA_V2_SECRET

+ ADD VARIABLE

Provided by Blockvis

1 Configuration

2 Code

whitelist-update-2

europa-west3

Trigger

HTTP

Trigger URL

<https://europa-west3-satoshi-quest.cloudfunctions.net/whitelist-update-2>

Require HTTPS

EDIT

RUNTIME, BUILD AND CONNECTIONS SETTINGS

RUNTIME BUILD CONNECTIONS

Build environment variables

+ ADD VARIABLE


1 Configuration — 2 Code

✔ whitelist-update-2

europe-west3

Trigger

⌚ HTTP

Trigger URL <https://europe-west3-satoshi-quest.cloudfunctions.net/whitelist-update-2> 

Require HTTPS

[EDIT](#)

RUNTIME, BUILD AND CONNECTIONS SETTINGS



RUNTIME

BUILD

CONNECTIONS

Ingress settings ?

- ☒ Allow all traffic
- ☐ Allow internal traffic only
Only traffic from VPC networks in the same project or the same VPC SC perimeter is allowed.
- ☐ Allow internal traffic and traffic from Cloud Load Balancing
Traffic from VPC networks in the same project, the same VPC SC perimeter or from Cloud Load Balancing is allowed.

Egress settings ?

By default, your function can send requests to the internet, but not to resources in VPC networks. To send requests to resources in your VPC network, create or select a VPC connector already created in the same region as the function.

VPC Connector

None

[Create a Serverless VPC Connector](#)

- ☐ Route only requests to private IPs through the VPC connector
- ☐ Route all traffic through the VPC connector

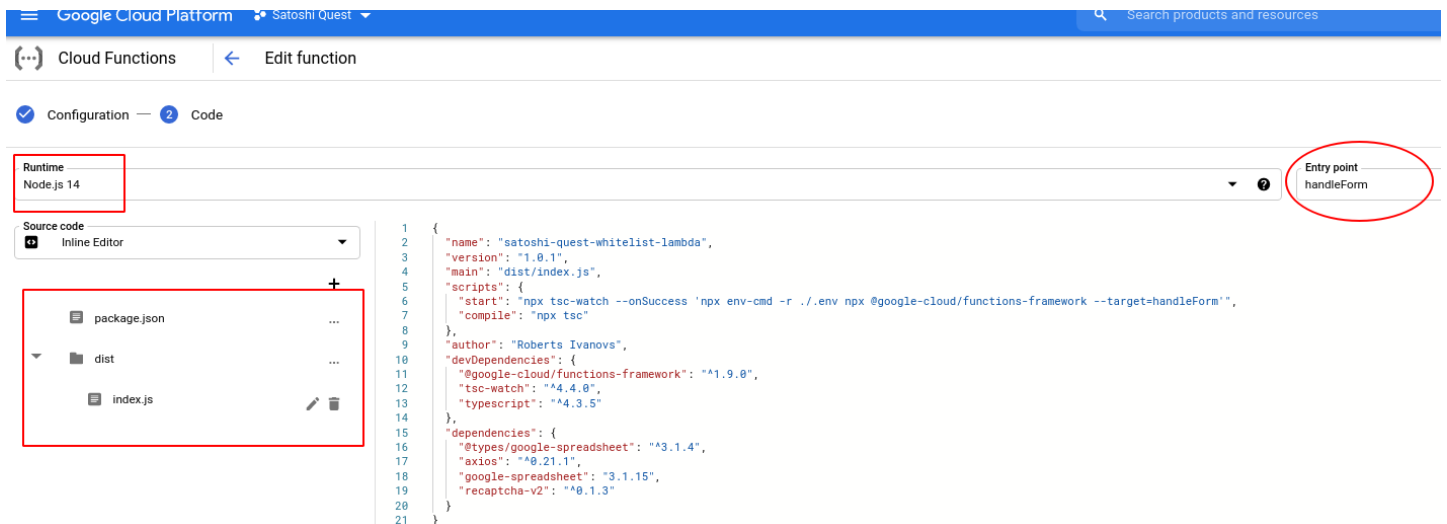
Click NEXT



- Make sure to set the correct Entry point to `handleForm`
- Runtime to Node.js 14
- Create the following file structure:
 - `package.json`
 - `dist`
 - `index.js`

Copy paste the code [from here](#) to `package.json`

Copy paste the code [from here](#) to `index.js`



Click **Deploy**

