```
Enter a Project ID. Note that a Project ID CANNOT be changed later.

Project IDs must be 6-30 characters (lowercase ASCII, digits, or hyphens) in length and start with a lowercase letter. cloud-app-dev-21

Waiting for [operations/cp.4622893728023956466] to finish...done.

Your current project has been set to: [cloud-app-dev-21].

Not setting default zone/region (this feature makes it easier to use [gcloud compute] by setting an appropriate default value for the --zone and --region flag).

See https://cloud.google.com/compute/docs/gcloud-compute section on how to set default compute region and zone manually. If you would like [gcloud init] to be able to do this for you the next time you run it, make sure the Compute Engine API is enabled for your project on the https://console.developers.google.com/apis page.
```

Create project and set default

The Google Cloud CLI is configured and ready to use!

```
C:\Users\aliha\AppData\Local\Google\Cloud SDK>mkdir hello-world-app
C:\Users\aliha\AppData\Local\Google\Cloud SDK>cd hello-world-app
C:\Users\aliha\AppData\Local\Google\Cloud SDK\hello-world-app>
```

Create Directory

```
Collecting files (Collecting History) in motal of flask from https://files.pythonhosted.org/packages/61/80/ffcidal3ad9300f37/93af113ed80638c75138c42a0994becfacac678c806/flask-3.0.3-py3-none-any,whl.metadata Dominolomic pilesk-3.0.3-py3-none-any,whl.ectadata (3.7.88)

Obtaining dependency information for livetxcup-3.0.0 from https://files.pythonhosted.org/packages/16/80/997b67c2bf2dc3f09555c600040999fefe5355c18c4095cf2dc3f03e0785b/aerkzcup-3.0.4-py3-none-any,whl.metadata Dominolomic previous for reviews (2.0.4-py3-none-any,whl.aetadata (3.7.88)

Collecting linja2>-3.1.2 (from flask)

Collecting blinker-1.6.2 (from flask)

Collecting bl
```

Install Flask

```
    app - Блокнот

Файл Правка Формат Вид Справка
runtime: python39
handlers:
    - url: /.*
    script: auto
```

Create .yaml file

```
blinker==1.8.2

click==8.1.7

colorama==0.4.6

Flask==3.0.3

gunicorn==23.0.0

importlib_metadata==8.5.0

itsdangerous==2.2.0

Jinja2==3.1.4

MarkupSafe==2.1.5

packaging==24.1

Werkzeug==3.0.4

zipp==3.20.2
```

Create requirements.txt file

```
Please choose the region where you want your App Engine application located:
                   (supports standard and flexible)
[1] asia-east1
 [2] asia-east2
                   (supports standard and flexible and search api)
[3] asia-northeast1 (supports standard and flexible and search_api)
 [4] asia-northeast2 (supports standard and flexible and search_api)
 [5] asia-northeast3 (supports standard and flexible and search_api)
 [6] asia-south1 (supports standard and flexible and search_api)
[7] asia-southeast1 (supports standard and flexible)
 [8] asia-southeast2 (supports standard and flexible and search_api)
 [9] australia-southeast1 (supports standard and flexible and search_api)
 [10] europe-central2 (supports standard and flexible)
 [11] europe-west (supports standard and flexible and search_api)
[12] europe-west2 (supports standard and flexible and search_api)
[13] europe-west3 (supports standard and flexible and search_api)
 [14] europe-west6 (supports standard and flexible and search_api)
 [15] northamerica-northeast1 (supports standard and flexible and search api)
[16] southamerica-east1 (supports standard and flexible and search api)
[17] us-central
                   (supports standard and flexible and search_api)
[18] us-east1
                    (supports standard and flexible and search_api)
[19] us-east4
                    (supports standard and flexible and search_api)
 [20] us-west1
                   (supports standard and flexible)
                   (supports standard and flexible and search_api)
 [21] us-west2
                   (supports standard and flexible and search_api)
[22] us-west3
[23] us-west4
                    (supports standard and flexible and search_api)
[24] cancel
Please enter your numeric choice: 13
```

Choose region

C:\Users\aliha\AppData\Lo	cal\Google\Cloud SDK\hello-world-app>gcloud app deploy
Services to deploy:	
descriptor:	[C:\Users\aliha\AppData\Local\Google\Cloud SDK\hello-world-app\app.yaml]
source:	[C:\Users\aliha\AppData\Local\Google\Cloud SDK\hello-world-app]
target project:	[cloud-app-dev-222222]
target service:	[default]
target version:	[20241007t223421]
target url:	[https://cloud-app-dev-222222.el.r.appspot.com]
target service account:	[cloud-app-dev-222222@appspot.gserviceaccount.com]
Do you want to continue (Y/n)? Y
Beginning deployment of s	ervice [default]
Uploading 0 files to Google Cloud Storage	
opiodaling o viics to d	oogic cloud storage
File upload done.	
Updating service [default]done.	
Setting traffic split for service [default]done.	

Deploy files

https://cloud-app-dev-21.ey.r.appspot.com/

C:\Users\aliha\AppData\Local\Google\Cloud SDK>gcloud projects create cloud-app-dev-222
Create in progress for [https://cloudresourcemanager.googleapis.com/v1/projects/cloud-app-dev-222].
Waiting for [operations/cp.6061015136583270466] to finish...done.
Enabling service [cloudapis.googleapis.com] on project [cloud-app-dev-222]...
Operation "operations/acat.p2-531153297626-e27b2af9-815f-42c2-808c-e5d29b1dec63" finished successfully.
C:\Users\aliha\AppData\Local\Google\Cloud SDK>gcloud config set project cloud-app-dev-222
Updated property [core/project].

Create project and set default



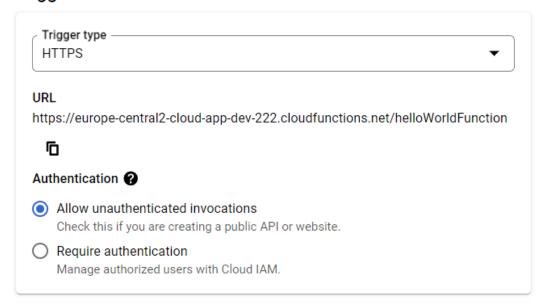
Activate Billing account

Environment Cloud Run function Function name * helloWorldFunction



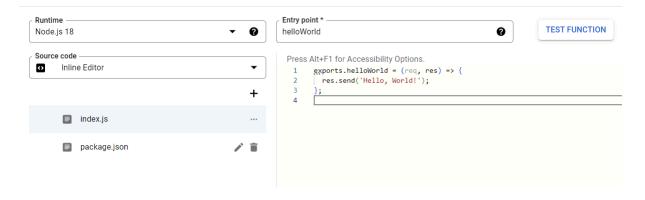
Trigger

Basics



On Cloud Run functions press to "Create Function"

Then choose your options



Deploy function

https://europe-central2-cloud-app-dev-222.cloudfunctions.net/helloWorldFunction



Hello, World!

```
Your current project has been set to: [cloud-app-dev-23].

Not setting default zone/region (this feature makes it easier to use [gcloud compute] by setting an appropriate default value for the --zone and --region flag).

See https://cloud.google.com/compute/docs/gcloud-compute section on how to set default compute region and zone manually. If you would like [gcloud init] to be able to do this for you the next time you run it, make sure the Compute Engine API is enabled for your project on the https://console.developers.google.com/apis page.

The Google Cloud CLI is configured and ready to use!

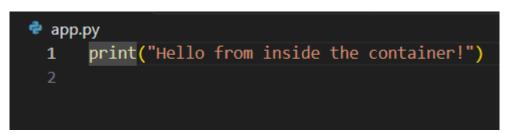
* Commands that require authentication will use alihanmurat11@gmail.com by default

* Commands will reference project `cloud-app-dev-23` by default

Run `gcloud configuration is called [default]. You can create additional configurations if you work with multiple accounts and/or projects.

Run `gcloud topic configurations` to learn more.
```

Create project



Create app.py



Create Dockefile

```
C:\Users\aliha\AppData\Local\Google\Cloud SDK\app3>docker build -t hello-world-app .

[i] Building 10.3s (9/9) FINISHED

> [internal] load build definition from Dockerfile

> > transferring dockerfile: 3058

> [internal] load metadata for docker.io/library/python:3.9-slim

> [auth] library/python:puil token for registry-1.docker.io

= [internal] load .dockerignore

> = transferring context: 28

[1/3] FROM docker.io/library/python:3.9-slim@sha256:49f94609e5a997dc16086a66ac9664591854031d48e375945a9dbf4d1d53abbc

> > resolve docker.io/library/python:3.9-slim@sha256:49f94609e5a997dc16086a66ac9664591854031d48e375945a9dbf4d1d53abbc

> > resolve docker.io/library/python:3.9-slim@sha256:49f94609e5a997dc16086a66ac9664591854031d48e375945a9dbf4d1d53abbc

> > sha256:62a808bdd4f53ad5493dabf2af00ccde9labb3771fb218704dbcf2fe94a7ced7 2488 / 2488

> > sha256:64ce085abbad3878f2088f944f51fsa19a5a2224d1b7e7715ac6b92307233757 11.74MB / 14.74MB

> > sha256:64ce085abbad3878f2088f944f51fsa19a5a224d1b7e7715ac6b9230723757 11.74MB / 14.74MB

> > sha256:302e3ee498053a7b5332ac79e8efebec16e900289fc1ecd1c754ce8fa047fcab 2.13MB / 29.13MB

> > extracting sha256:302e3ee498053a7b5332ac79e8efebec16e900289fc1ecd1c754ce8fa047fcab 2.13MB / 29.13MB

> > extracting sha256:302e3ee498053a7b5332ac79e8efebec16e900289fc1ecd1c754ce8fa047fcab

> > extracting sha256:4c0965d3919510b506d8856ebc050a96e996c7dae96e4fb420882dbe7e037e67

> = extracting sha256:4c0965d3919510b506d8856ebc050a96e996c7dae96e4fb420882dbe7e037e67

> = extracting sha256:fdeece85abbad3878f2008f9445f15a19a5a224d1b7e7715ac6b923072333e57

> > extracting sha256:fdeece85abbad3878f2008f9445f15a19a5a224d1b7e7715ac6b923072333e57

> > extracting sha256:fdeece85abbad3878f2008f9445f15a19a5a224d1b7e7715ac6b923072333e57

> > extracting sha256:fdeece85abbad3878f2008f94d5f15af9a5a224f96f06f5aa971ef57a9815f370cc70f78

> [internal] load build context

> > transferring context: 388

| [2/3] WORKDIR / app

| [3/3] COPY . / app

| exporting manifest sha256:fd3494d6e67e9bd6daa5e1fb70ca57645c640d3c6f70d111b7d1731
```

run the code "docker build -t hello-world-app"

C:\Users\aliha\AppData\Local\Google\Cloud SDK\app3>docker run --rm hello-world-app
Hello from inside the container!

run the code "docker run --rm hello-world-app"