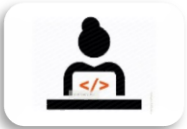





## Google Cloud Platform project

### Google Cloud Platform Flask Python App Deployment

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	<b>NoufKH8</b>
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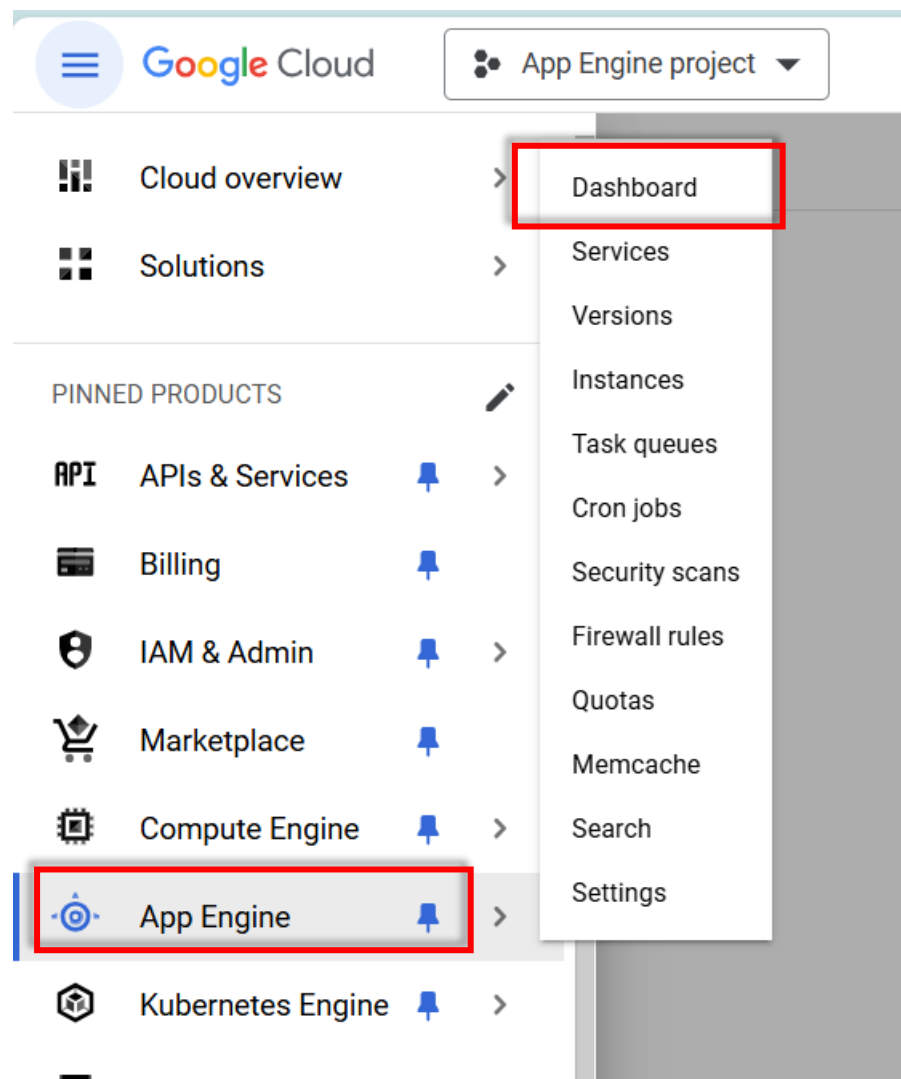
## Guidelines:

- First make your own GCP account.
- Second after you make your account go to app engine and create your application
- Third deploying your flask app

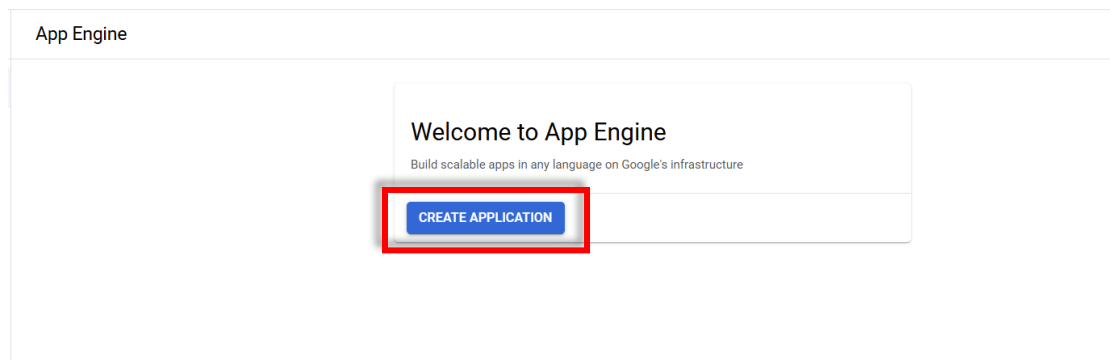
## Hands-on-deck \$:~

### App Engine settings:

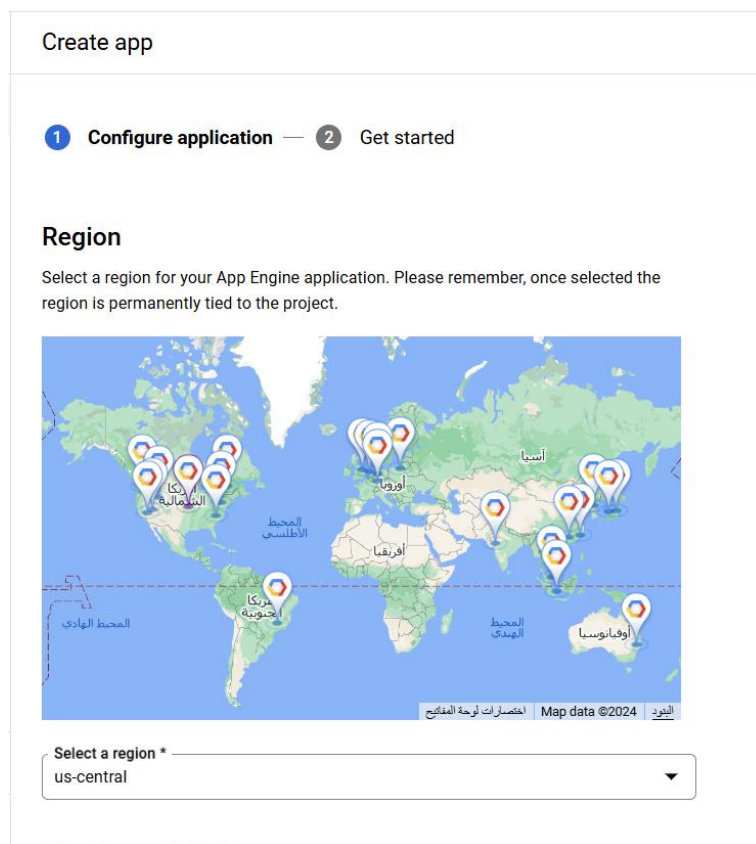
here you make your first application.



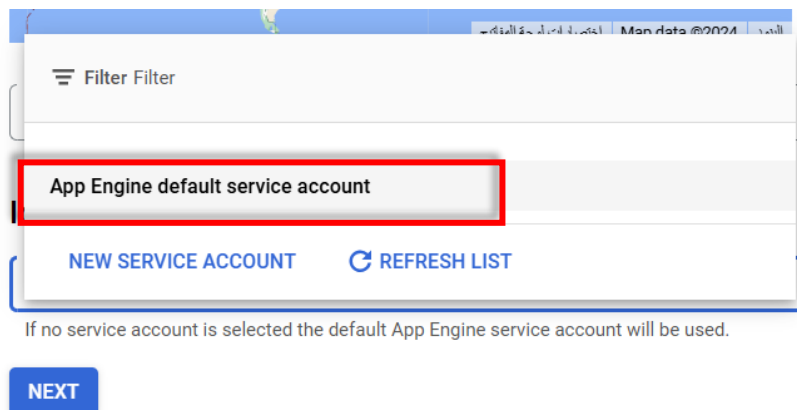
And click on create.



The application settings.




Choose the API access.



Now click create.

### Create app

region is permanently tied to the project.



Select a region \*  
us-central

### Identity and API access

Select a service account  
App Engine default service account

If no service account is selected the default App Engine service account will be used.

**NEXT**

Get started

[LEARN](#)

#### Resources

Language  
Python

Environment  
Standard

Read App Engine Python Standard Environment [Documentation](#).

Visit [Github](#) for Python Standard Environment code samples.

#### Deploy with Google Cloud SDK

[DOWNLOAD THE CLOUD SDK](#)

Initialize your SDK

```
$ gcloud init
```

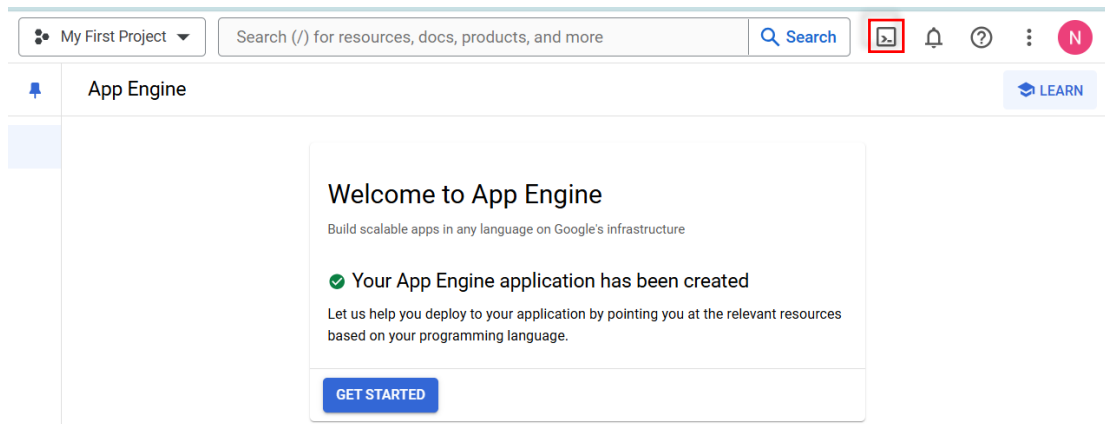
Deploy to App Engine

```
$ gcloud app deploy
```

**I'LL DO THIS LATER**

## Cloud Shell:

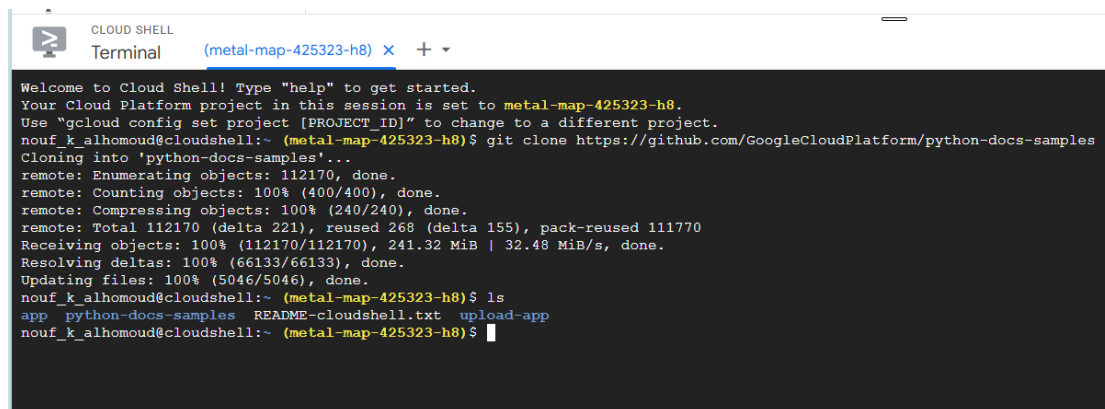
After we create our first application.



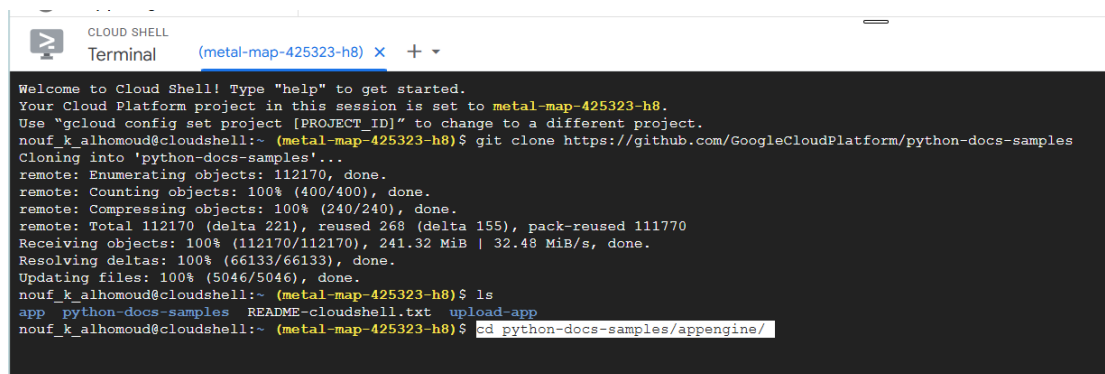
After we open the shell

cmd: `git clone https://github.com/GoogleCloudPlatform/python-docs-samples`

cmd: `ls`



cmd: `cd python-docs-samples/appengine/`



cmd: **ls**

```
App Engine Dashboard
CLOUD SHELL
Terminal (metal-map-425323-h8) x + v

Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to metal-map-425323-h8.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ git clone https://github.com/GoogleCloudPlatform/python-docs-samples
Cloning into 'python-docs-samples'...
remote: Enumerating objects: 112170, done.
remote: Counting objects: 100% (400/400), done.
remote: Compressing objects: 100% (240/240), done.
remote: Total 112170 (delta 221), reused 268 (delta 155), pack-reused 111770
Receiving objects: 100% (112170/112170), 241.32 MiB | 32.48 MiB/s, done.
Resolving deltas: 100% (66133/66133), done.
Updating files: 100% (5046/5046), done.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ ls
app python-docs-samples README-cloudshell.txt upload-app
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ cd python-docs-samples/appengine/
nouf_k_alhomoud@cloudshell:~/python-docs-samples/appengine (metal-map-425323-h8)$ ls
flexible flexible_python37 and earlier standard standard_python3
nouf_k_alhomoud@cloudshell:~/python-docs-samples/appengine (metal-map-425323-h8)$
```

cmd: **cd flexible/hello\_world**

```
App Engine Dashboard
CLOUD SHELL
Terminal (metal-map-425323-h8) x + v

Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to metal-map-425323-h8.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ git clone https://github.com/GoogleCloudPlatform/python-docs-samples
Cloning into 'python-docs-samples'...
remote: Enumerating objects: 112170, done.
remote: Counting objects: 100% (400/400), done.
remote: Compressing objects: 100% (240/240), done.
remote: Total 112170 (delta 221), reused 268 (delta 155), pack-reused 111770
Receiving objects: 100% (112170/112170), 241.32 MiB | 32.48 MiB/s, done.
Resolving deltas: 100% (66133/66133), done.
Updating files: 100% (5046/5046), done.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ ls
app python-docs-samples README-cloudshell.txt upload-app
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ cd python-docs-samples/appengine/
nouf_k_alhomoud@cloudshell:~/python-docs-samples/appengine (metal-map-425323-h8)$ ls
flexible flexible_python37 and earlier standard standard_python3
nouf_k_alhomoud@cloudshell:~/python-docs-samples/appengine (metal-map-425323-h8)$ cd flexible/hello_world
```

cmd: **gcloud app deploy**

```
App Engine Dashboard
CLOUD SHELL
Terminal (metal-map-425323-h8) x + v Open

Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to metal-map-425323-h8.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ git clone https://github.com/GoogleCloudPlatform/python-docs-samples
Cloning into 'python-docs-samples'...
remote: Enumerating objects: 112170, done.
remote: Counting objects: 100% (400/400), done.
remote: Compressing objects: 100% (240/240), done.
remote: Total 112170 (delta 221), reused 268 (delta 155), pack-reused 111770
Receiving objects: 100% (112170/112170), 241.32 MiB | 32.48 MiB/s, done.
Resolving deltas: 100% (66133/66133), done.
Updating files: 100% (5046/5046), done.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ ls
app python-docs-samples README-cloudshell.txt upload-app
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ cd python-docs-samples/appengine/
nouf_k_alhomoud@cloudshell:~/python-docs-samples/appengine (metal-map-425323-h8)$ ls
flexible flexible_python37 and earlier standard standard_python3
nouf_k_alhomoud@cloudshell:~/python-docs-samples/appengine (metal-map-425323-h8)$ cd flexible/hello_world
nouf_k_alhomoud@cloudshell:~/python-docs-samples/appengine/flexible/hello_world (metal-map-425323-h8)$ gcloud app deploy
```

Cmd: Enter y

```
App Engine Dashboard
CLOUD SHELL Terminal (metal-map-425323-h8) x +
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to metal-map-425323-h8.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8) $ git clone https://github.com/GoogleCloudPlatform/python-docs-samples
Cloning into 'python-docs-samples'...
remote: Enumerating objects: 112170, done.
remote: Counting objects: 100% (400/400), done.
remote: Compressing objects: 100% (240/240), done.
remote: Total 112170 (delta 221), reused 268 (delta 155), pack-reused 111770
Receiving objects: 100% (112170/112170), 241.32 MiB | 32.48 MiB/s, done.
Resolving deltas: 100% (66133/66133), done.
Updating files: 100% (5046/5046), done.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8) $ ls
app python-docs-samples README-cloudshell.txt upload-app
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8) $ cd python-docs-samples/appengine/
nouf_k_alhomoud@cloudshell:~/python-docs-samples/appengine (metal-map-425323-h8) $ ls
flexible python37 and earlier standard standard python3
nouf_k_alhomoud@cloudshell:~/python-docs-samples/appengine (metal-map-425323-h8) $ cd flexible/hello_world
nouf_k_alhomoud@cloudshell:~/python-docs-samples/appengine/flexible/hello_world (metal-map-425323-h8) $ gcloud app deploy
Services to deploy:

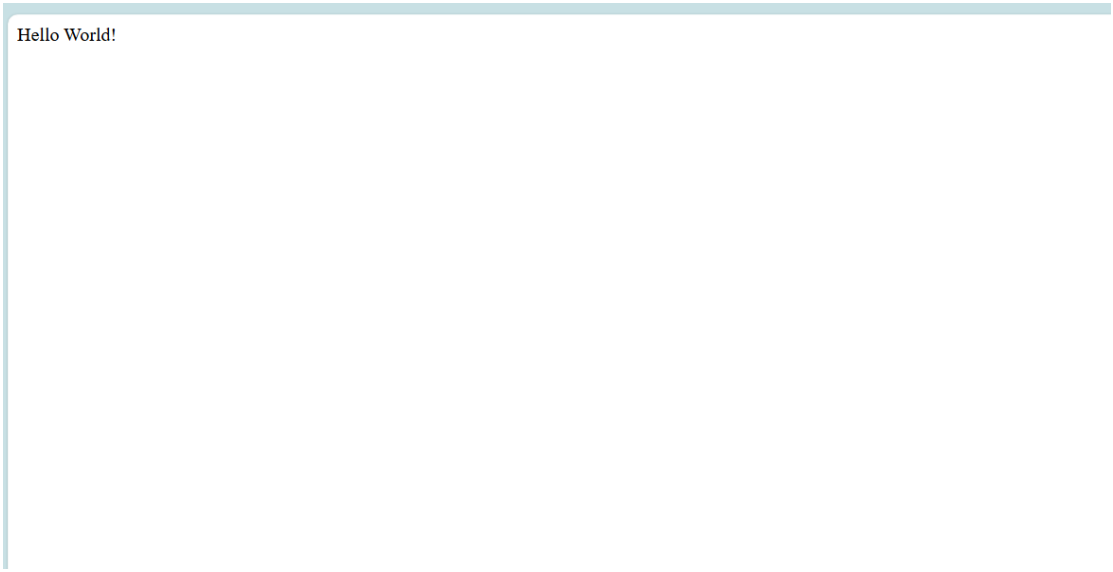
descriptor:      [/home/nouf_k_alhomoud/python-docs-samples/appengine/flexible/hello_world/app.yaml]
source:          [/home/nouf_k_alhomoud/python-docs-samples/appengine/flexible/hello_world]
target project:  [metal-map-425323-h8]
target service:  [default]
target version:  [20240603t201606]
target url:      [https://metal-map-425323-h8.uc.r.appspot.com]
target service account: [metal-map-425323-h8@appspot.gserviceaccount.com]

Do you want to continue (Y/n)? y
```

Here you will find the URL

```
CLOUD SHELL Terminal (metal-map-425323-h8) x + Open Editor
Step #2 - "build": Adding 1/1 app layer(s)
Step #2 - "build": Adding layer 'buildpacksio/lifecycle:launcher'
Step #2 - "build": Adding layer 'buildpacksio/lifecycle:config'
Step #2 - "build": Adding layer 'buildpacksio/lifecycle:process-types'
Step #2 - "build": Adding label 'io.buildpacks.lifecycle.metadata'
Step #2 - "build": Adding label 'io.buildpacks.build.metadata'
Step #2 - "build": Adding label 'io.buildpacks.project.metadata'
Step #2 - "build": Adding label 'google.builder-version'
Step #2 - "build": Adding label 'google.source'
Step #2 - "build": Adding label 'google.builder-image'
Step #2 - "build": Adding label 'google.run-image'
Step #2 - "build": Setting default process type 'web'
Step #2 - "build": Timer: Saving us.gcr.io/metal-map-425323-h8/appengine/default.20240603t201606:944dc2b2-c9dc-417b-be25-ac143964c9e3... started at 2024-06-03T20:19:19Z
Step #2 - "build": *** Images (sha256:16415c430bf062681dc4850b1b6422399a2aaeae639d6f2b81b5270ab640aa):
Step #2 - "build": us.gcr.io/metal-map-425323-h8/appengine/default.20240603t201606:944dc2b2-c9dc-417b-be25-ac143964c9e3
Step #2 - "build": us.gcr.io/metal-map-425323-h8/appengine/default.20240603t201606:latest
Step #2 - "build": Timer: Saving us.gcr.io/metal-map-425323-h8/appengine/default.20240603t201606:944dc2b2-c9dc-417b-be25-ac143964c9e3... ran for 9.21109624s and ended at 2024-06-03T20:19:28Z
Step #2 - "build": Timer: Exporter ran for 19.051031885s and ended at 2024-06-03T20:19:28Z
Finished Step #2 - "build"
POSS
DONE
-----
Updating service [default] (this may take several minutes)...done.
Deployed service [default] to [https://metal-map-425323-h8.uc.r.appspot.com]
You can stream logs from the command line by running:
$ gcloud app logs tail -s default
To view your application in the web browser run:
$ gcloud app browse
nouf_k_alhomoud@cloudshell:~/python-docs-samples/appengine/flexible/hello_world (metal-map-425323-h8) $
```

And now your app is deployed congratulations.



Hello World!

I hope that the project will help you.