Goggle cloud platform Lab 3

Deploy your flask app on GCP (App engine)

By Abdulelah Bin Obaid
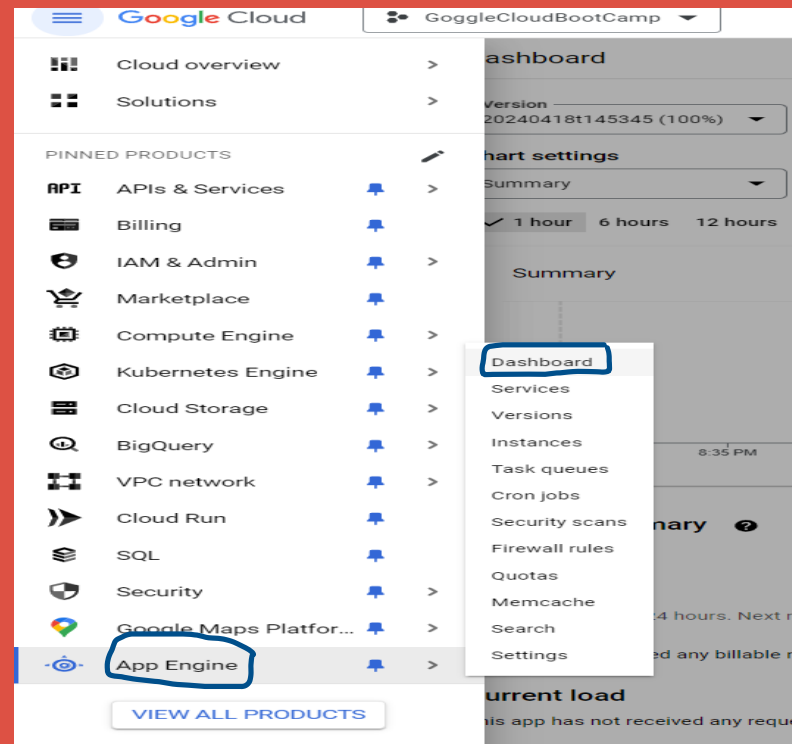
Guidelines: ✕

- 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 will make your first application.

App Engine settings ✕

- And click on create.

App Engine settings ✕

- Choose the API access.

App Engine settings ✕

App Engine settings ✕

After we create our first application , we will enter Cloud Shell
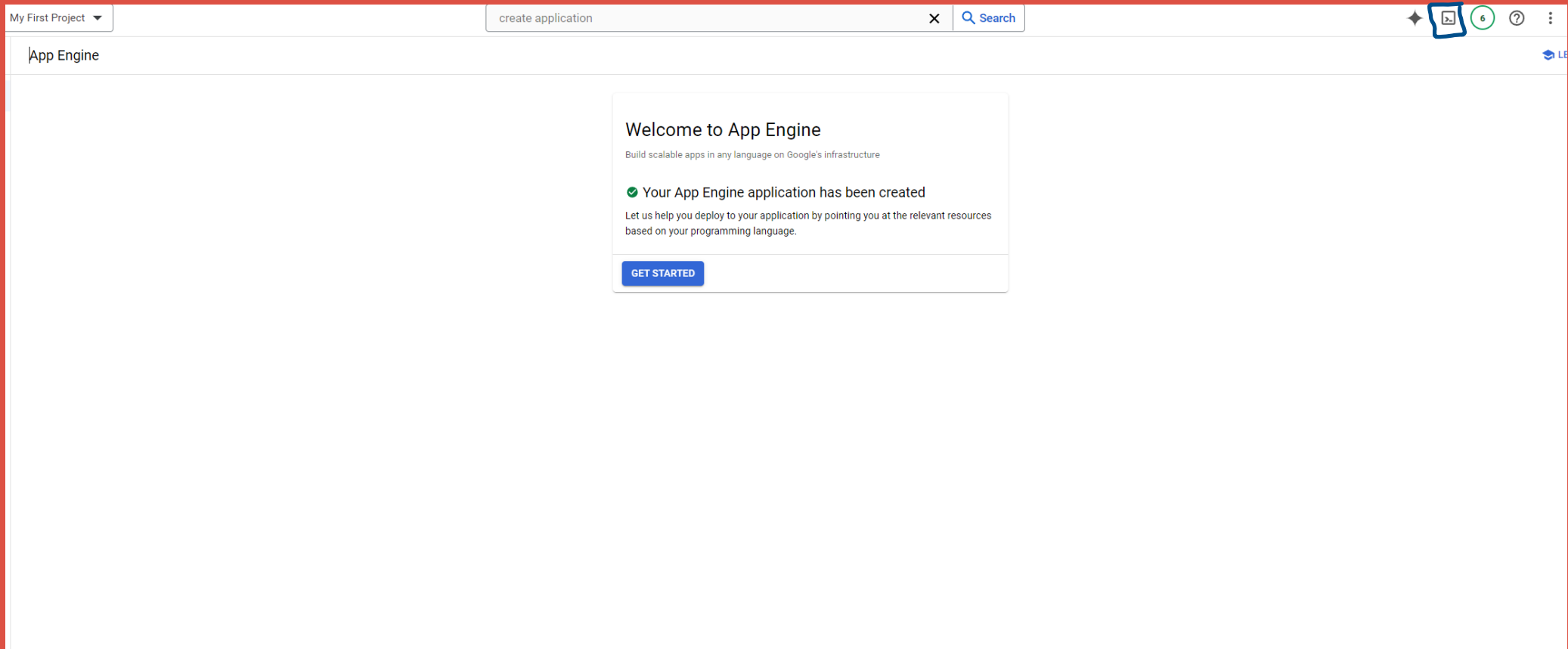
Cloud Shell

- After we enter Cloud shell , we write" https://github.com/CJ-2/upload-app.git "

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to sonic-arcadia-420512.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
binobaid_aa@cloudshell:~ (sonic-arcadia-420512)$ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
```

Cloud Shell ✕

- Then we write : ls

```
binobaid_aa@cloudshell:~ (sonic-arcadia-420512)$ ls
README-cloudshell.txt   upload-app
```

Cloud Shell ✕

- Then we write : cd upload-app

```
binobaid_aa@cloudshell:~ (sonic-arcadia-420512)$ cd upload-app
```

Cloud Shell ✕

- Then we write again : ls

```
binobaid_aa@cloudshell:~/upload-app (sonic-arcadia-420512)$ ls
README.md   storage
```

Cloud Shell   ✕

- Then we write : cd storage


```
CLOUD SHELL
Terminal      (sonic-arcadia-420512) ✕  + ▾

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fatal: destination path 'upload-app' already exists and is not an empty directory.
binobaid_aa@cloudshell:~ (sonic-arcadia-420512)$ ls
README-cloudshell.txt   upload-app
binobaid_aa@cloudshell:~ (sonic-arcadia-420512)$ ^C
binobaid_aa@cloudshell:~ (sonic-arcadia-420512)$ cd upload-app
binobaid_aa@cloudshell:~/upload-app (sonic-arcadia-420512)$ ls
README.md   storage
binobaid_aa@cloudshell:~/upload-app (sonic-arcadia-420512)$ cd storage
binobaid_aa@cloudshell:~/upload-app/storage (sonic-arcadia-420512)$ ▮
```

Cloud Shell ✕

- Then we write : ls

- Then we write : python main.py

Cloud Shell ✕

Cloud Shell ✕


```
CLOUD SHELL
Terminal        (sonic-arcadia-420512)  ✕  + ▾

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README-cloudshell.txt  upload-app
binobaid_aa@cloudshell:~ (sonic-arcadia-420512)$ ^C
binobaid_aa@cloudshell:~ (sonic-arcadia-420512)$ cd upload-app
binobaid_aa@cloudshell:~/upload-app (sonic-arcadia-420512)$ ls
README.md  storage
binobaid_aa@cloudshell:~/upload-app (sonic-arcadia-420512)$ cd storage
binobaid_aa@cloudshell:~/upload-app/storage (sonic-arcadia-420512)$ ls
app.yaml  main.py  requirements.txt  templates  upload-app  uploads
binobaid_aa@cloudshell:~/upload-app/storage (sonic-arcadia-420512)$ python main.py
 * Serving Flask app 'main'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5000
 * Running on http://10.88.0.4:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 195-249-654
127.0.0.1 - - [08/May/2024 15:12:23] "GET /?authuser=1&redirectedPreviously=true HTTP/1.1" 200 -
127.0.0.1 - - [08/May/2024 15:12:23] "GET /favicon.ico HTTP/1.1" 404 -
```

Change Preview Port

Port Number *

5000

CANCEL   CHANGE AND PREVIEW

Web preview

Upload new File

Choose File No file chosen   Upload

Explore Uploaded Files

Cloud Shell ✕

- Cmd : ls

Cloud Shell ✕

Then we write : gcloud app deploy

Cloud Shell

✕

Enter : y


```
binobaid_aa@cloudshell:~/upload-app/storage (sonic-arcadia-420512)$ ls
app.yaml  main.py  requirements.txt  templates  upload-app  uploads
binobaid_aa@cloudshell:~/upload-app/storage (sonic-arcadia-420512)$ gcloud app deploy
Services to deploy:

descriptor:                [/home/binobaid_aa/upload-app/storage/app.yaml]
source:                    [/home/binobaid_aa/upload-app/storage]
target project:            [sonic-arcadia-420512]
target service:            [default]
target version:            [20240508t152218]
target url:                [https://sonic-arcadia-420512.uc.r.appspot.com]
target service account:    [sonic-arcadia-420512@appspot.gserviceaccount.com]


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

Beginning deployment of service [default]...
Uploading 8 files to Google Cloud Storage
12%
25%
38%
50%
62%
75%
88%
100%
100%
File upload done.
Updating service [default]...working
```

Cloud Shell ✕

gcloud app browser


```
binobaid_aa@cloudshell:~/upload-app/storage (sonic-arcadia-420512)$ ls
app.yaml  main.py  requirements.txt   templates   upload-app   uploads
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Uploading 8 files to Google Cloud Storage
12%
25%
38%
50%
62%
75%
88%
100%
100%
File upload done.
Updating service [default]...done.
Setting traffic split for service [default]...done.
Deployed service [default] to [https://sonic-arcadia-420512.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
binobaid_aa@cloudshell:~/upload-app/storage (sonic-arcadia-420512)$
```

Cloud Shell ✕

Open Editor

```
binobaid_aa@cloudshell:~/upload-app/storage (sonic-arcadia-420512)$ ls
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```

Cloud Shell ✕

- We click on this link to see our website

Website deployment ✕

And now your app is deployed congratulations !

Upload new File

Choose File | No file chosen   Upload

Explore Uploaded Files

Thank You!