Google cloud platform project

Deploy your flask app on Google Cloud (App Engine)

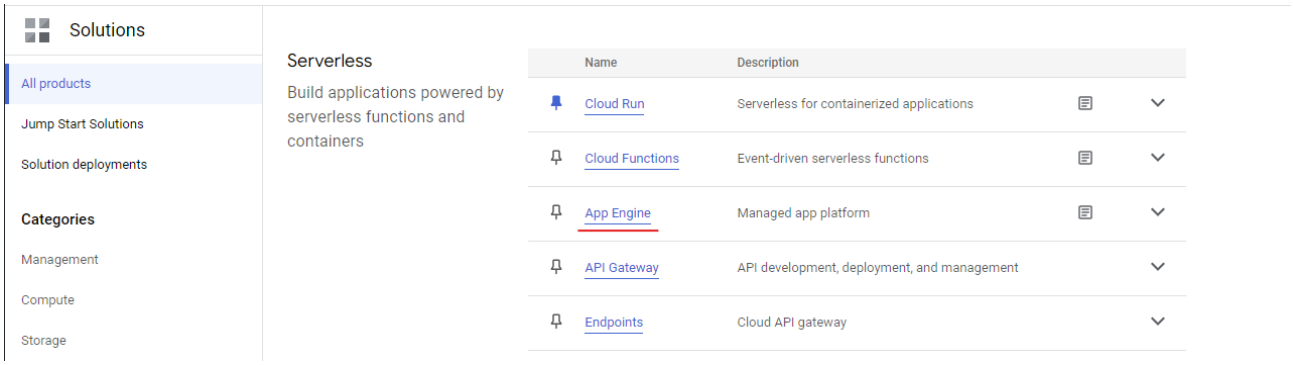
By Faisal Alkhrayef

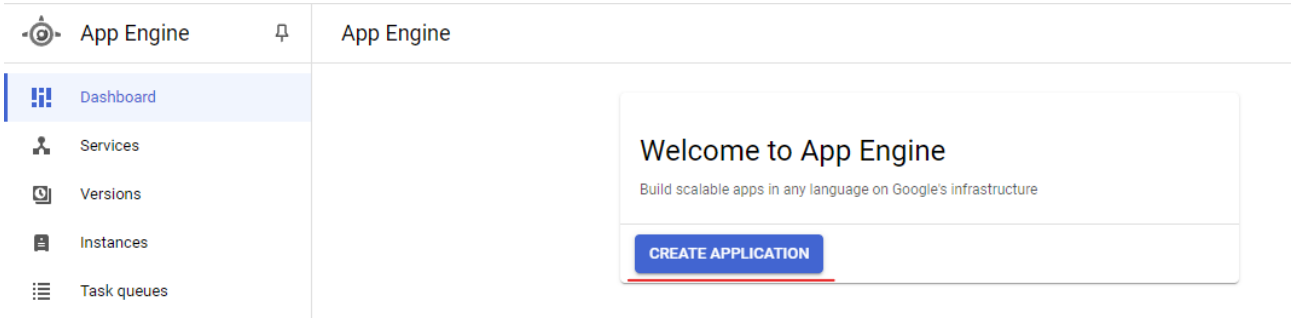
Guidelines:

1. Make your own GCP account.
2. Go to app engine and create your application.
3. deploy your flask app.

App Engine settings:

Make your first application:





Settings:

1 **Configure application** — 2 Get started

Region

Select a region for your App Engine application. Please remember, once selected the region is permanently tied to the project.

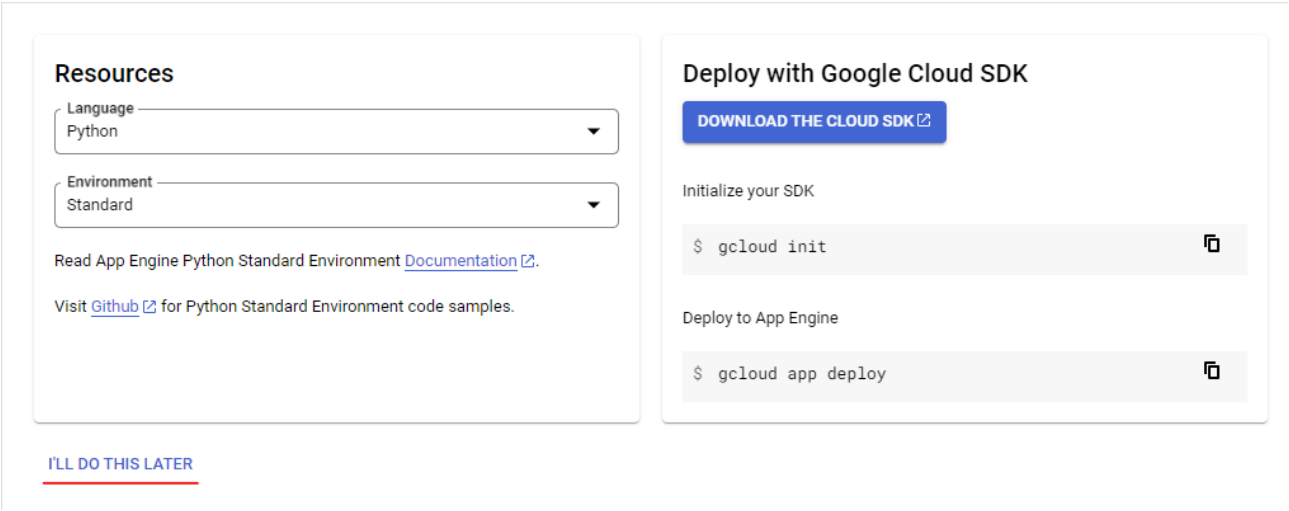
Select a region *
us-central

Identity and API access

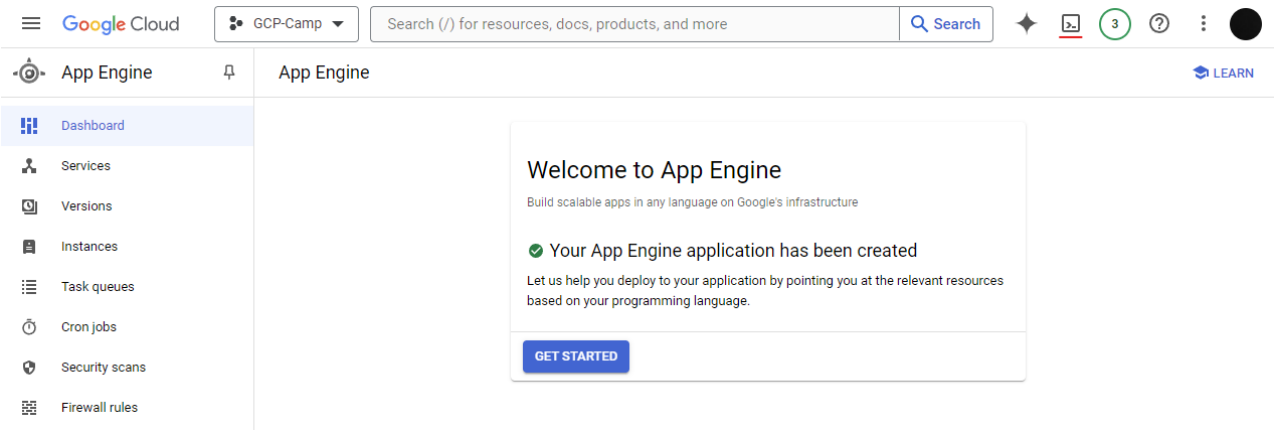
Select a service account
App Engine default service account

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

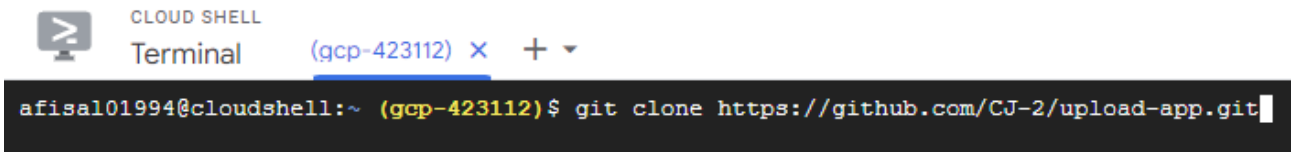
NEXT



Cloud Shell(top right):



Now that the shell is open, we type git clone (insert your flask app repo)



cmd: ls

```
afisal01994@cloudshell:~ (gcp-423112)$ ls
README-cloudshell.txt  upload-app
```

cmd: cd upload-app

```
afisal01994@cloudshell:~ (gcp-423112)$ cd upload-app
```

cmd: ls

```
afisal01994@cloudshell:~/upload-app (gcp-423112)$ ls
README.md  storage
```

cmd: cd storage

```
afisal01994@cloudshell:~/upload-app (gcp-423112)$ cd storage
```

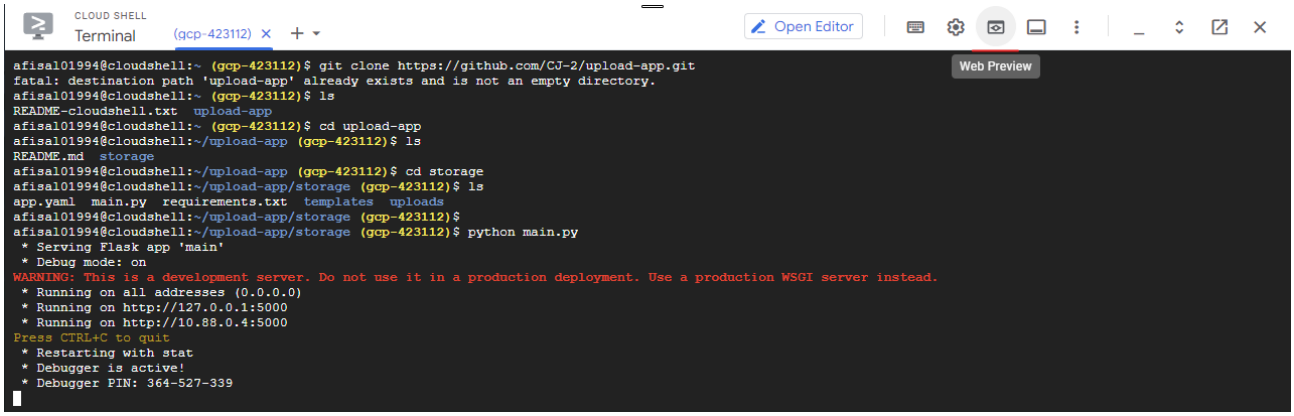
cmd: ls

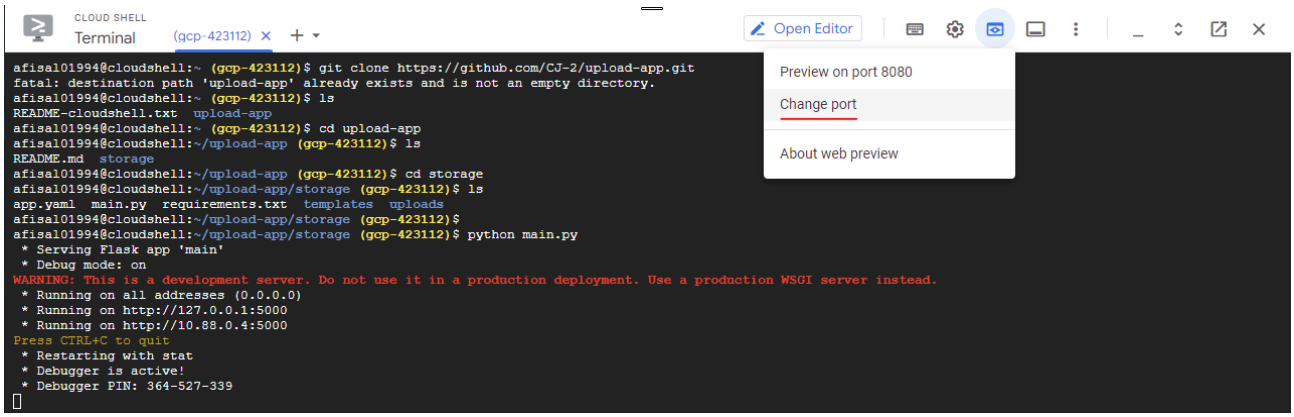
```
afisal01994@cloudshell:~/upload-app/storage (gcp-423112)$ ls
app.yaml  main.py  requirements.txt  templates  uploads
```

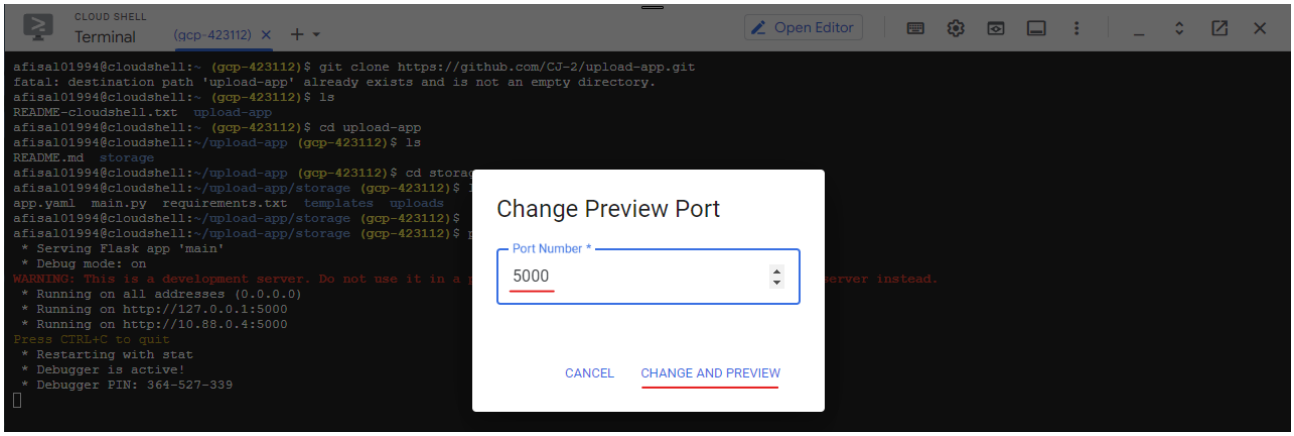
cmd: python main.py

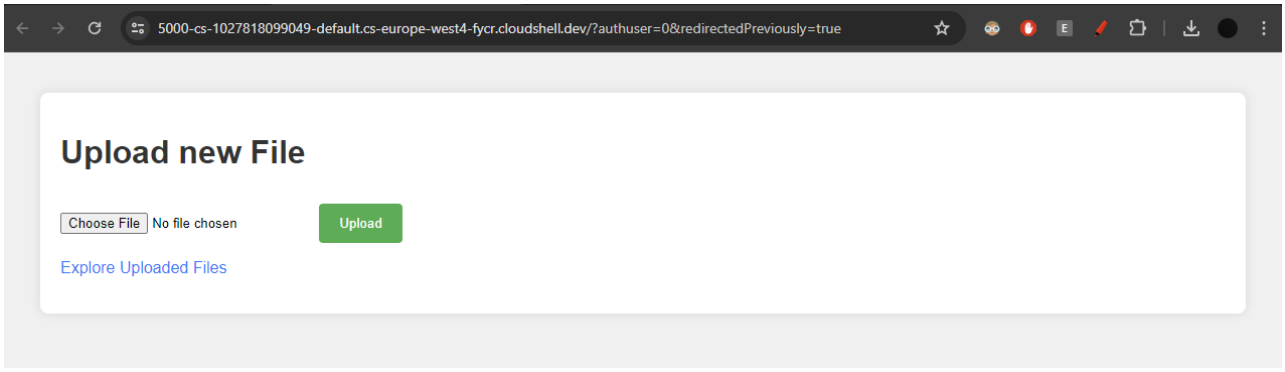
```
afisal01994@cloudshell:~/upload-app/storage (gcp-423112)$ python main.py
```

Click on web preview and follow the steps:



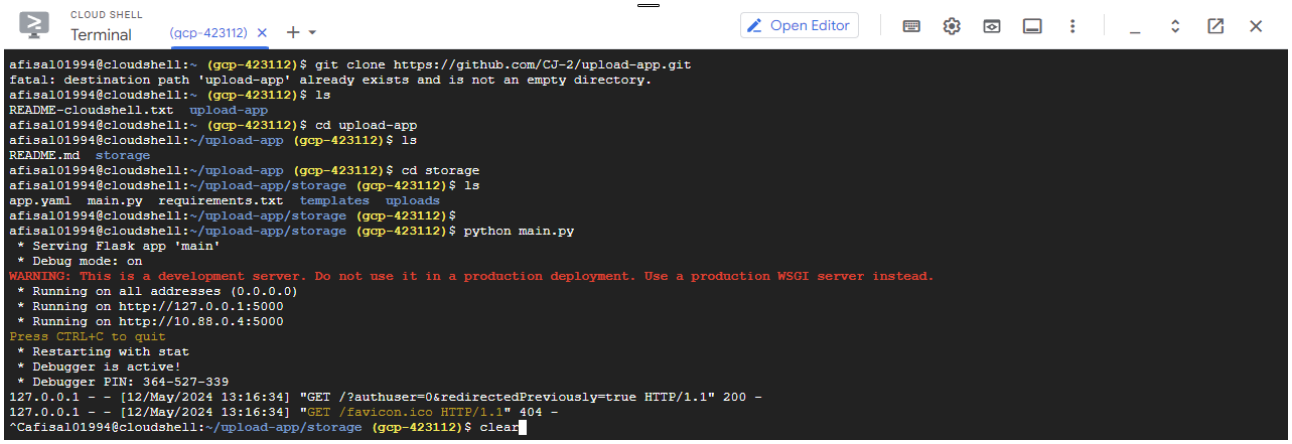






Return to shell and cmd: CTRL+C

cmd: clear



cmd: ls

```
afisal01994@cloudshell:~/upload-app/storage (gcp-423112)$ ls
app.yaml  main.py  requirements.txt  templates  uploads
```

cmd: gcloud app deploy (you might need to authorize)

```
afisal01994@cloudshell:~/upload-app/storage (gcp-423112)$ gcloud app deploy
```

cmd: enter Y

```
afisal01994@cloudshell:~/upload-app/storage (gcp-423112)$ gcloud app deploy
Services to deploy:

descriptor:                  [/home/afisal01994/upload-app/storage/app.yaml]
source:                      [/home/afisal01994/upload-app/storage]
target project:              [gcp-423112]
target service:              [default]
target version:              [20240512t132239]
target url:                  [https://gcp-423112.uc.r.appspot.com]
target service account:      [gcp-423112@appspot.gserviceaccount.com]


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

```
afisal01994@cloudshell:~/upload-app/storage (gcp-423112)$ gcloud app deploy
Services to deploy:

descriptor:                  [/home/afisal01994/upload-app/storage/app.yaml]
source:                      [/home/afisal01994/upload-app/storage]
target project:              [gcp-423112]
target service:              [default]
target version:              [20240512t132239]
target url:                  [https://gcp-423112.uc.r.appspot.com]
target service account:      [gcp-423112@appspot.gserviceaccount.com]


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

Beginning deployment of service [default]...
Uploading 7 files to Google Cloud Storage
14%
29%
43%
57%
71%
86%
100%
100%
File upload done.
Updating service [default]...working...
```

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

Beginning deployment of service [default]...
Uploading 7 files to Google Cloud Storage
14%
29%
43%
57%
71%
86%
100%
100%
File upload done.
Updating service [default]...done.
Setting traffic split for service [default]...done.
Deployed service [default] to [https://gcp-423112.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
afisal01994@cloudshell:~/upload-app/storage (gcp-423112)$
```

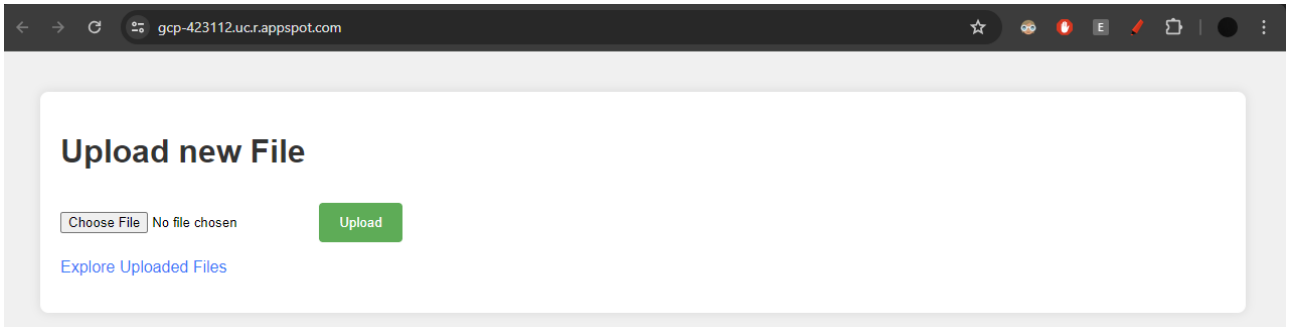
cmd: gcloud app browse

```
afisal01994@cloudshell:~/upload-app/storage (gcp-423112)$ gcloud app browse
```

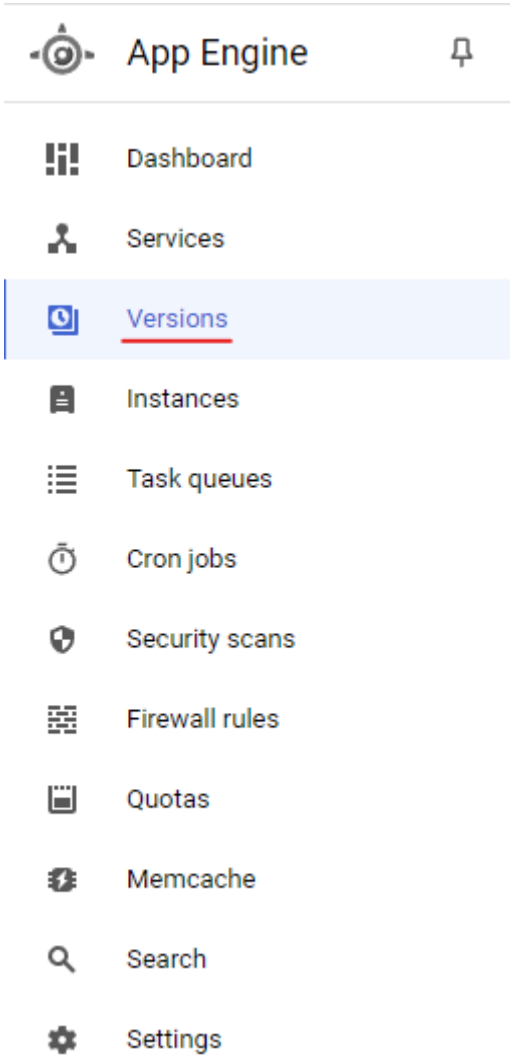
Then click on the link

```
afisal01994@cloudshell:~/upload-app/storage (gcp-423112)$ gcloud app browse
Did not detect your browser. Go to this link to view your app:
https://gcp-423112.uc.r.appspot.com
```

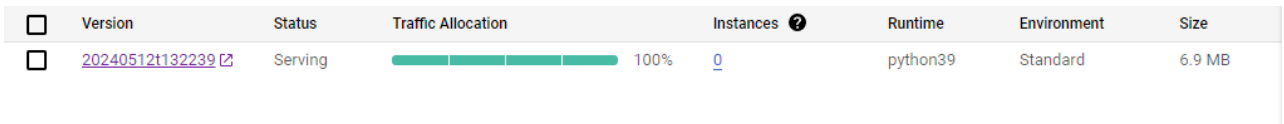
And now your app is deployed:



Go back to your app engine and select Versions:



And here is your version:



Hope this documentation helps.