






## Google Cloud Platform Project

Deploying Flask App on Google Cloud (App Engine)

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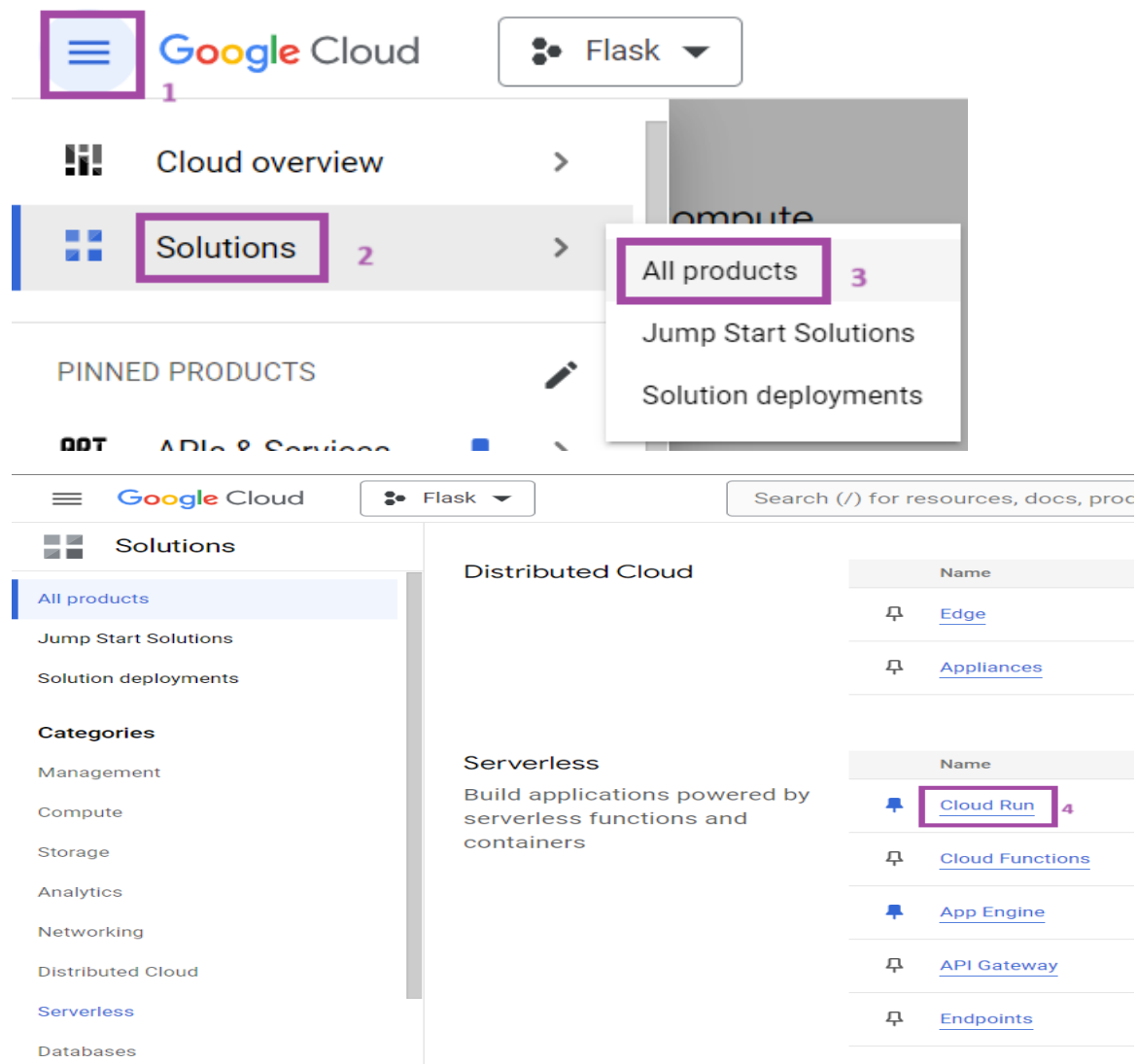


## Guidelines:

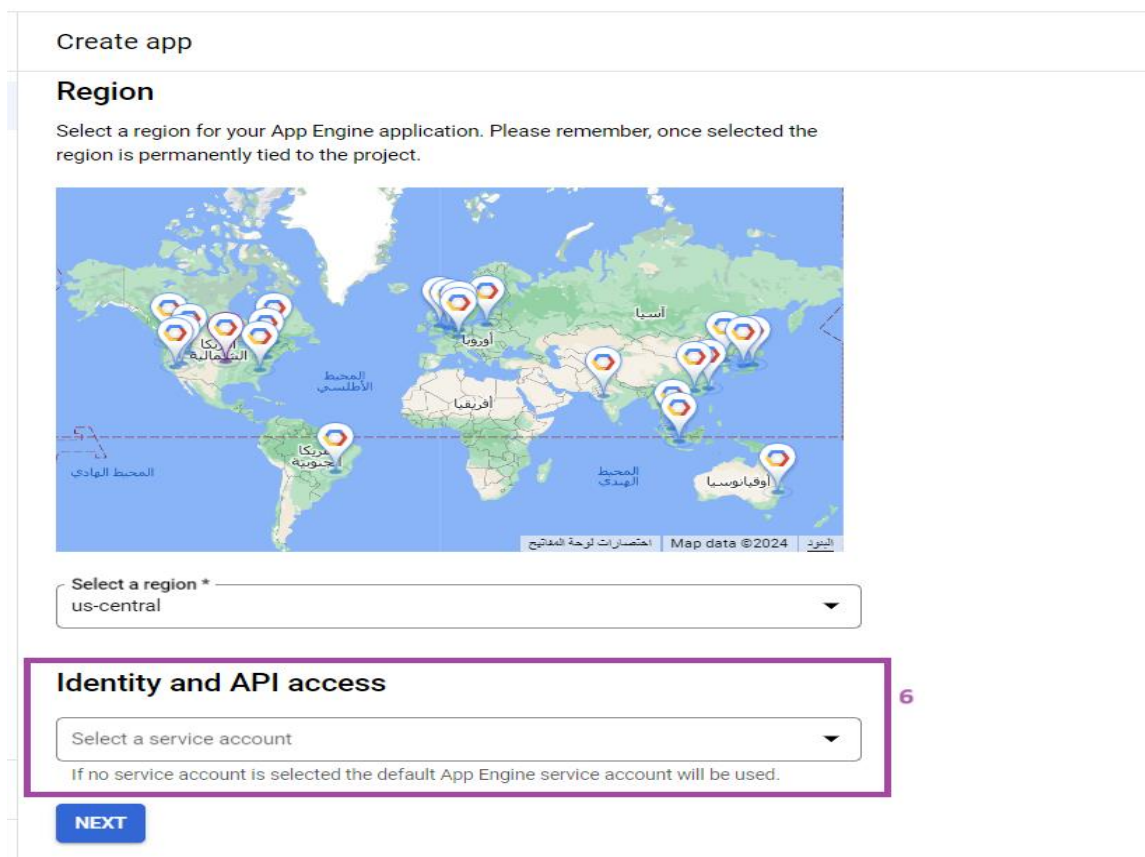
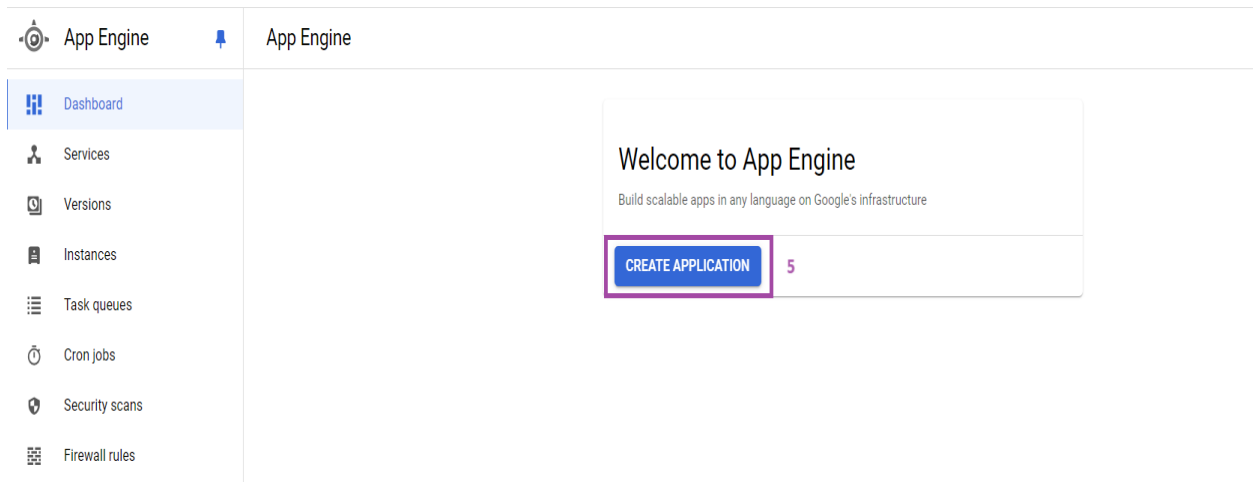
- 1- Make your own GCP account.  
Through URL: <https://cloud.google.com/>
- 2- After you make your account go to the app engine and create your application.
- 3- Deploying your flask app

## App Engine settings:

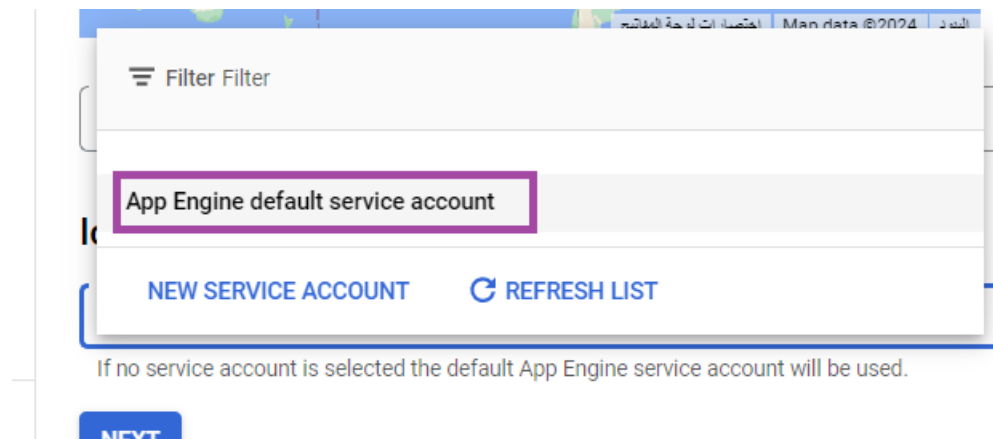
Make your first application



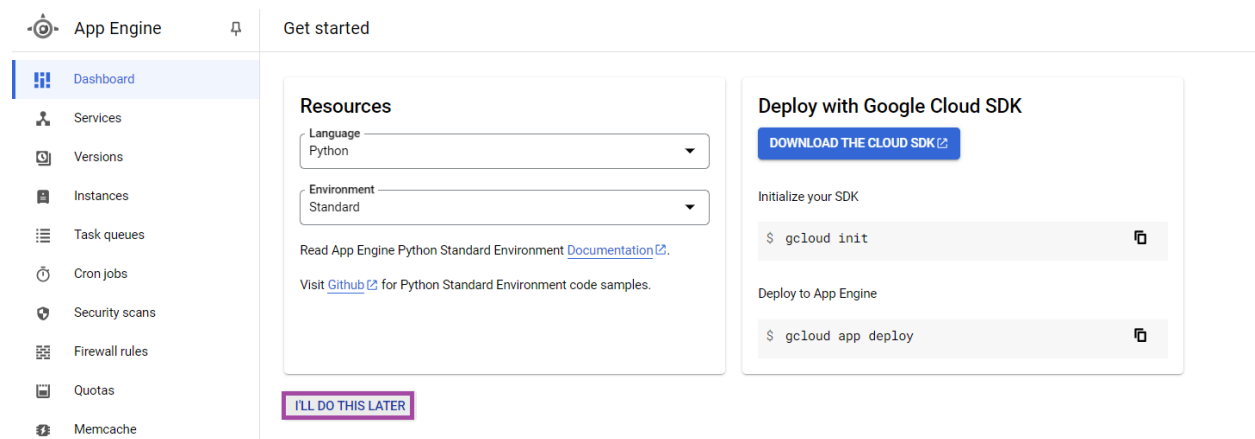
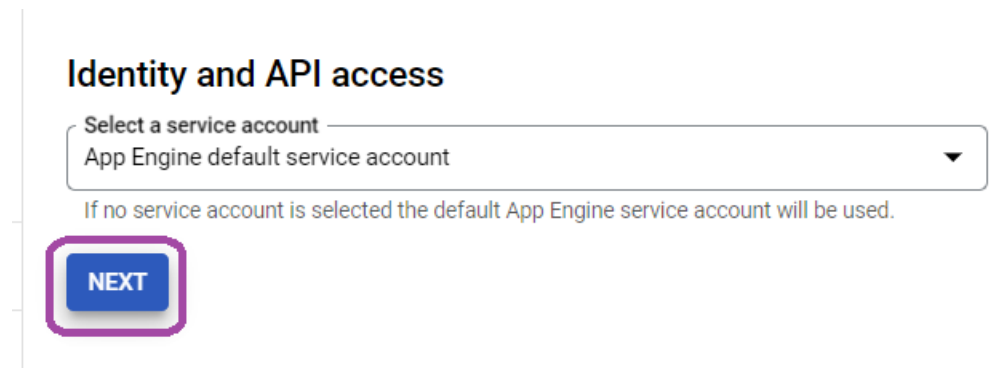
Click “**CREATE APPLICATION**”



## Choose API access

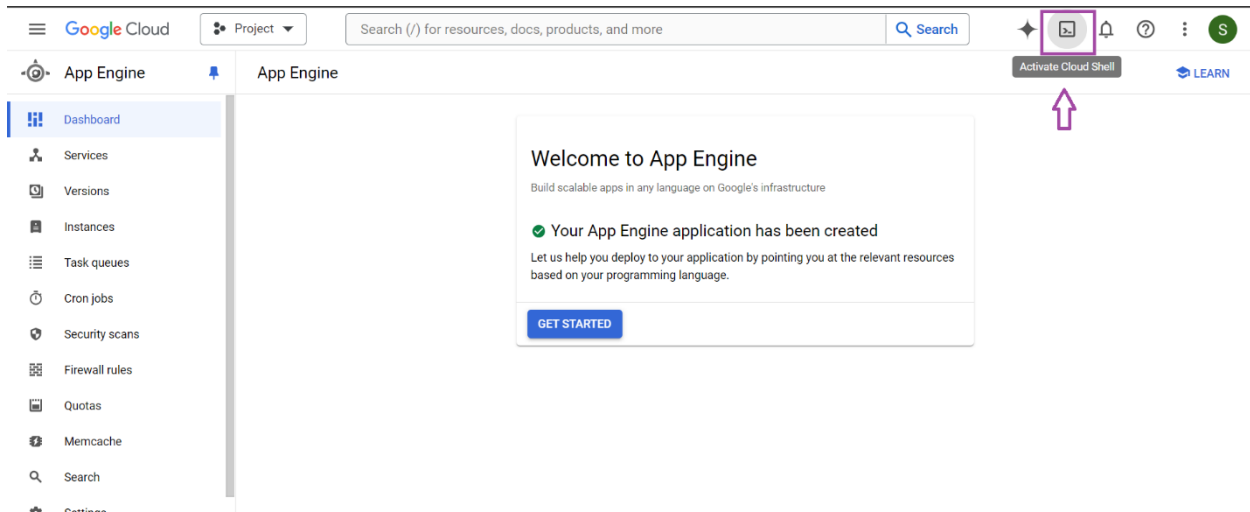


Now click “NEXT”



# Cloud Shell:

After we create our first application



Now the shell is open, type “`git clone https://github.com/CJ-2/upload-app.git`”

```
sultanfoorwork@cloudshell:~ (flamy-project-63104) $ git clone https://github.com/CJ-2/upload-app.git
```

Write “`ls`”

```
sultanfoorwork@cloudshell:~ (flamy-project-63104) $ ls
README-cloudshell.txt  upload-app
```

Write “`cd upload-app`”

```
sultanfoorwork@cloudshell:~ (flamy-project-63104) $ cd upload-app
```

Write “`ls`”

```
sultanfoorwork@cloudshell:~/upload-app (flamy-project-63104) $ ls
README.md  storage
```

Write “`cd storage`”

```
sultanfoorwork@cloudshell:~/upload-app (flamy-project-63104) $ cd storage
```

Write “`ls`”

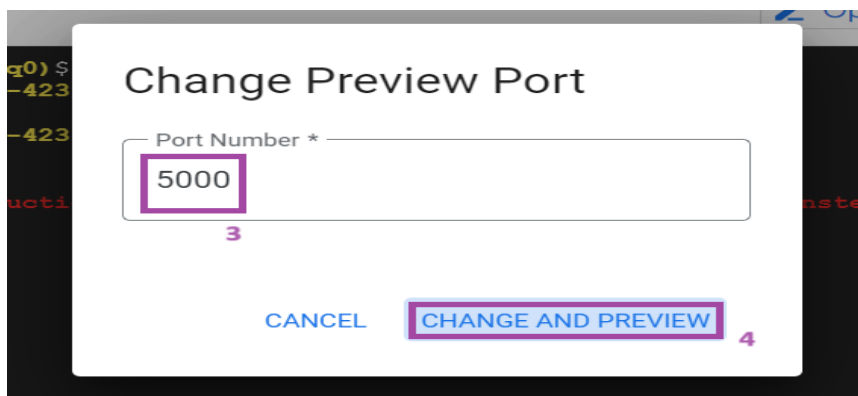
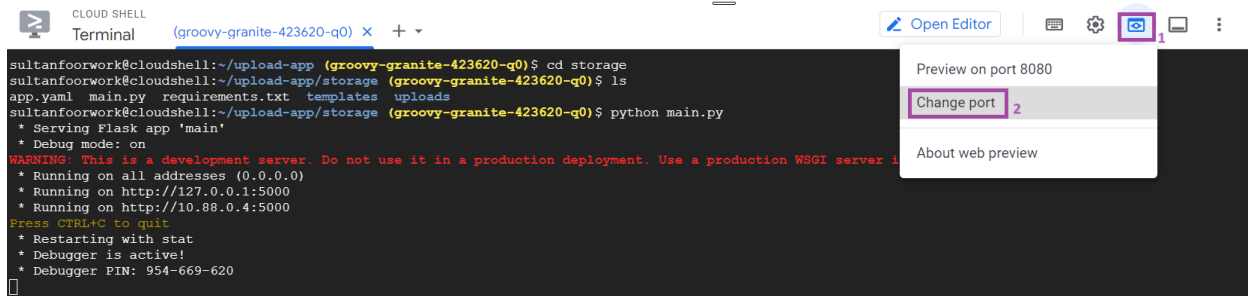
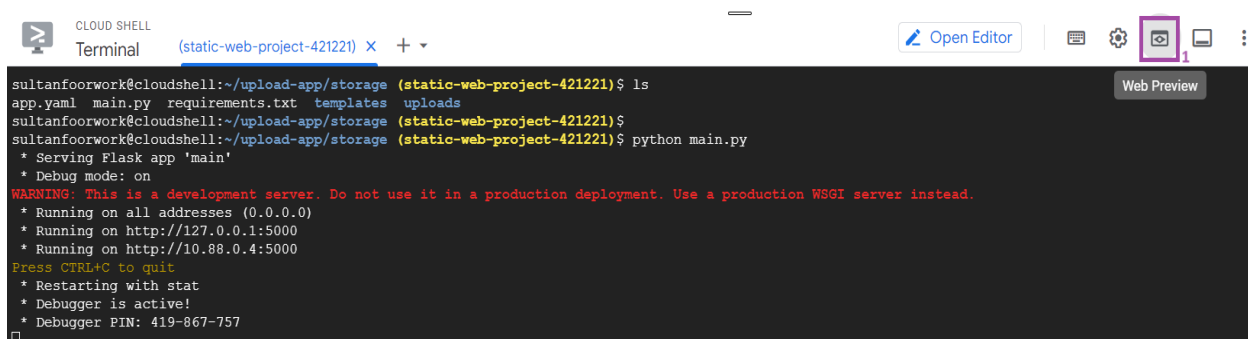


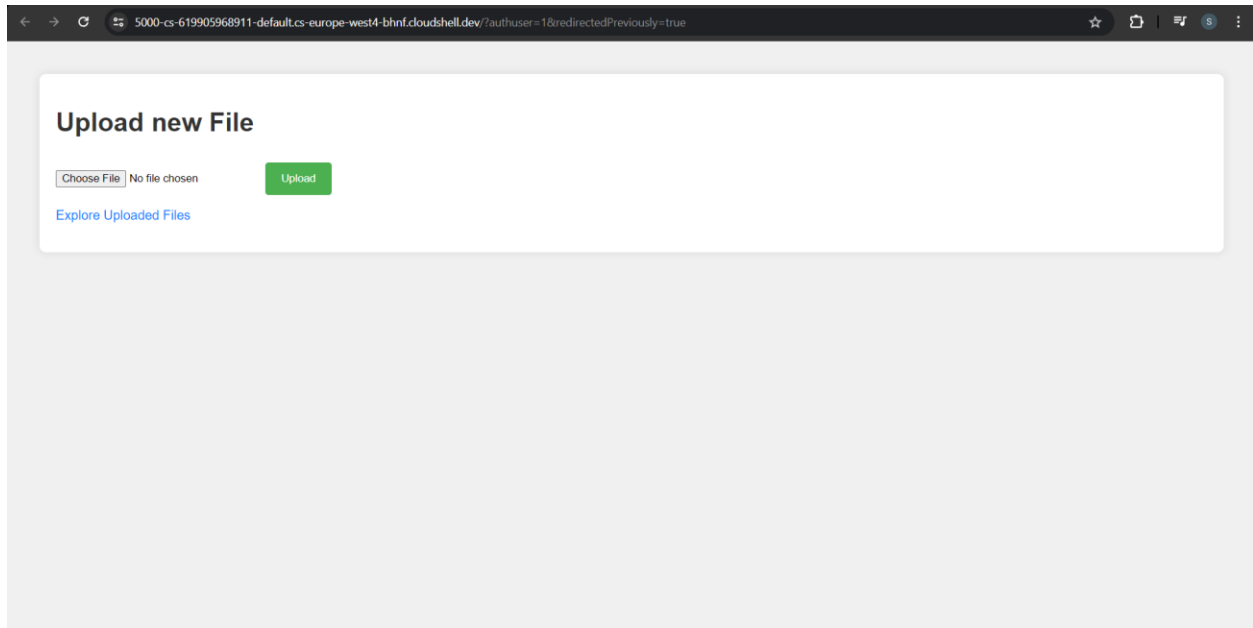
```
sultanfoorwork@cloudshell:~/upload-app/storage (flamy-project-63104)$ ls
app.yaml  main.py  requirements.txt  templates  uploads
```

Write “python main.py”

```
sultanfoorwork@cloudshell:~/upload-app/storage (flamy-project-63104)$ 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: 954-669-620
```

Click “Web review” and follow the steps:





Return to shell and cmd: **CTRL+C**

Then write **“clear”**

```
* 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: 954-669-620
127.0.0.1 - - [18/May/2024 02:13:18] "GET /?authuser=1&redirectedPreviously=true HTTP/1.1" 200 -
127.0.0.1 - - [18/May/2024 02:13:19] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [18/May/2024 02:17:46] "POST /upload HTTP/1.1" 302 -
127.0.0.1 - - [18/May/2024 02:17:46] "GET /upload HTTP/1.1" 405 -
^Csultanfoorwork@cloudshell:~/upload-app/storage (groovy-granite-423620-q0) $ clear
```

Write **“ls”**

```
sultanfoorwork@cloudshell:~/upload-app/storage (groovy-granite-423620-q0) $ ls
app.yaml  main.py  requirements.txt  templates  uploads
```

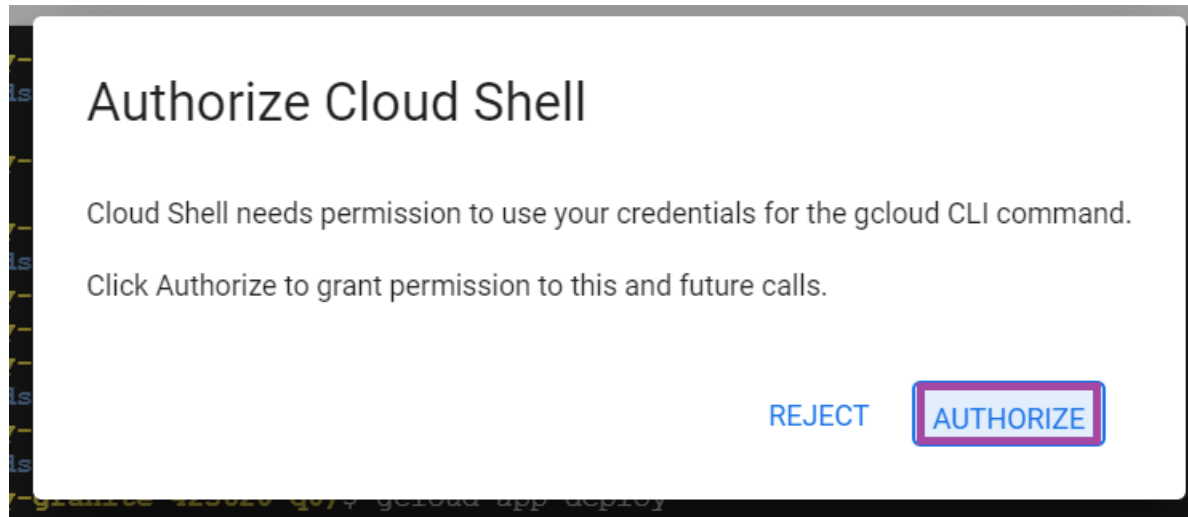




Write "gcloud app deploy"

```
sultanfoorwork@cloudshell:~/upload-app/storage (groovy-granite-423620-q0)$ gcloud app deploy
```

Click "AUTHORIZE"



Write "Y"

```
sultanfoorwork@cloudshell:~/upload-app/storage (static-web-project-421221)$ gcloud app deploy
Services to deploy:

descriptor:      [/home/sultanfoorwork/upload-app/storage/app.yaml]
source:          [/home/sultanfoorwork/upload-app/storage]
target project:  [static-web-project-421221]
target service:  [default]
target version:  [20240518t023633]
target url:      [https://static-web-project-421221.uc.r.appspot.com]
target service account: [static-web-project-421221@appspot.gserviceaccount.com]

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

```
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..
```



```
71%
86%
100%
100%
File upload done.
Updating service [default]...done.
Setting traffic split for service [default]...done.
Deployed service [default] to [https://flamy-project-63104.uc.r.appspot.com]

You can stream logs from the command line by running:
$ gcloud app logs tail -s default

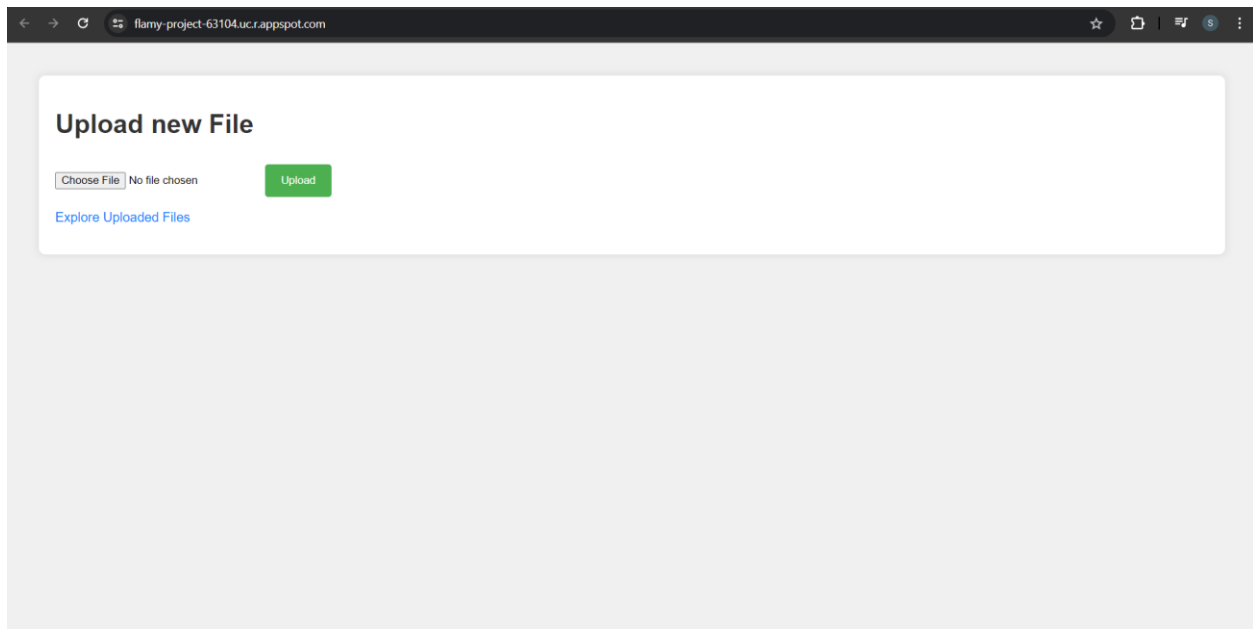
To view your application in the web browser run:
$ gcloud app browse
sultanfoorwork@cloudshell:~/upload-app/storage (flamy-project-63104)$
```

Write “gcloud app browse”

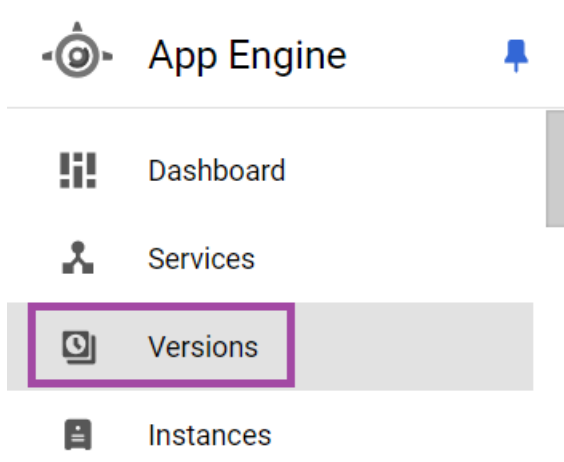
```
sultanfoorwork@cloudshell:~/upload-app/storage (flamy-project-63104)$ gcloud app browse
```

```
sultanfoorwork@cloudshell:~/upload-app/storage (flamy-project-63104)$ gcloud app browse
Did not detect your browser. Go to this link to view your app:
https://flamy-project-63104.uc.r.appspot.com
```

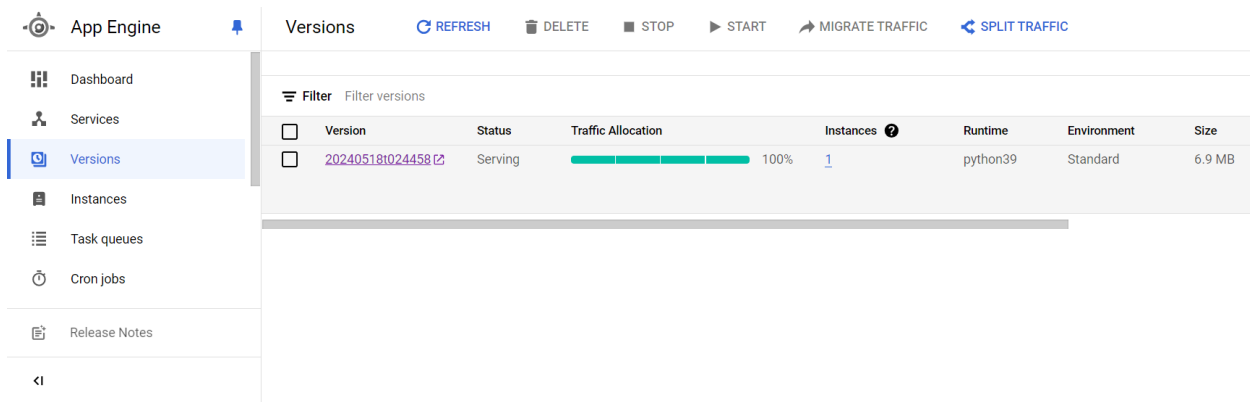
## App Deployed



Now go back to “app engine” and select “versions”



Here's your version



**Good Luck!**

