

google cloud platform

How to deploy a flask app on Google
Cloud

creator info

...

linkedin



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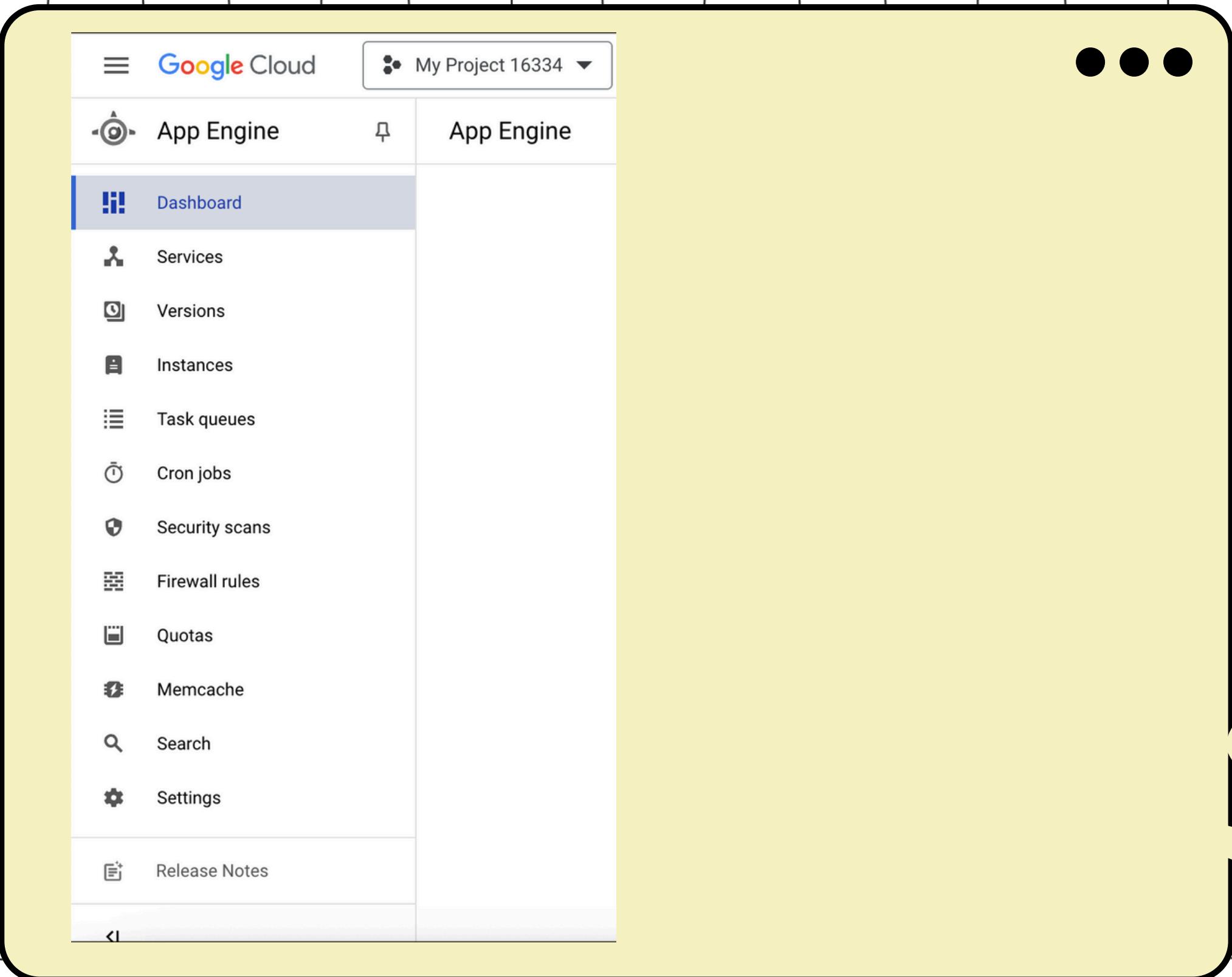
...

github



[github link](#)

- 1- Make your own GCP account. Through URL:
<https://cloud.google.com/>
- 2- after creating the account got to the app engine to create your application.
- 3- deploying the flask app.

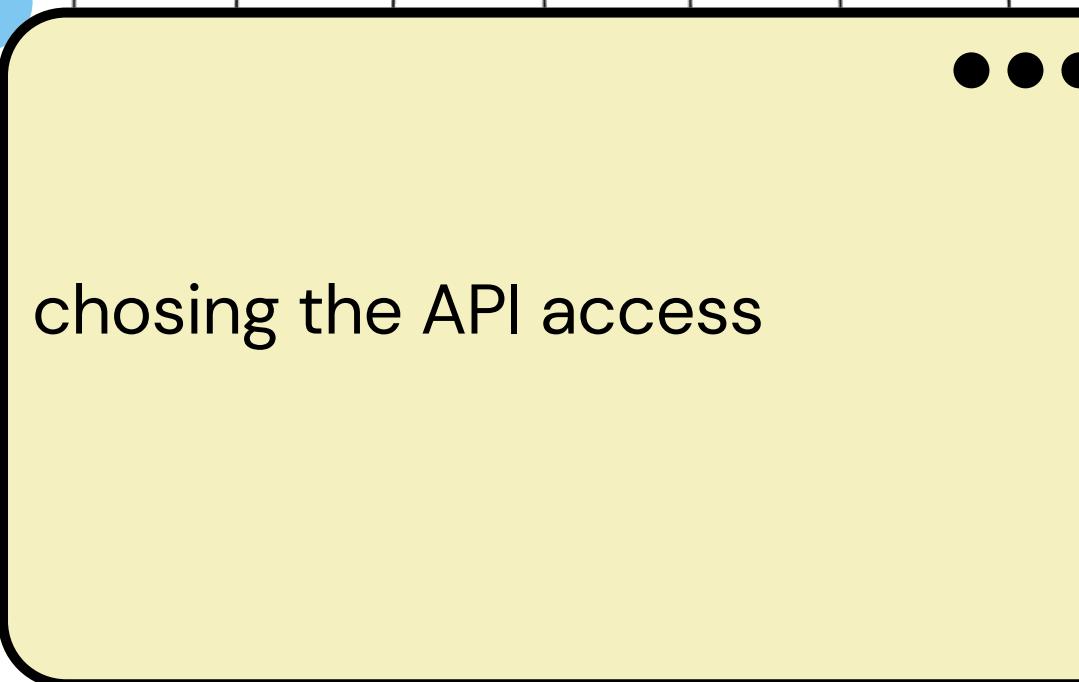


click cretae application

Welcome to App Engine

Build scalable apps in any language on Google's infrastructure

CREATE APPLICATION



Create app

REGION

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

Keyboard shortcuts | Map data ©2024 | Terms

Select a region *

us-central

Identity and API access

Select a service account

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

Chose the defualt service account , and click create.

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

the app settings , then
activate the cloud shell

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
```

After we open the shell cmd:

git clone

https://github.com/CJ-2/upload-app.git

after runing the command

```
raha5747@cloudshell:~ (euphoric-truth-422920-i0)$ git clone  
https://github.com/CJ-2/upload-app.git  
fatal: You must specify a repository to clone.  
  
usage: git clone [<options>] [--] <repo> [<dir>]  
  
-v, --verbose           be more verbose  
-q, --quiet            be more quiet  
--progress             force progress reporting  
--reject-shallow       don't clone shallow repository  
-n, --no-checkout      don't create a checkout  
--bare                 create a bare repository  
--mirror               create a mirror repository (implies bare)  
-l, --local             to clone from a local repository  
--no-hardlinks         don't use local hardlinks, always copy  
-s, --shared            setup as shared repository  
--recurse-submodules[=<pathspec>]    initialize submodules in the clone  
--recursive ...          alias of --reurse-submodules  
-j, --jobs <n>          number of submodules cloned in parallel  
--template <template-directory>    directory from which templates will be used  
--reference <repo>        reference repository  
--reference-if-able <repo>    reference repository  
--dissociate            use --reference only while cloning  
-o, --origin <name>       use <name> instead of 'origin' to track upstream  
-b, --branch <branch>     checkout <branch> instead of the remote's HEAD  
-u, --upload-pack <path>   path to git-upload-pack on the remote  
--depth <depth>          create a shallow clone of that depth  
--shallow-since <time>    create a shallow clone since a specific time  
--shallow-exclude <revision>  deepen history of shallow clone, excluding rev  
--single-branch          clone only one branch, HEAD or --branch  
--no-tags                don't clone any tags, and make later fetches not to follow them
```

run `cd upload-app`

```
-bash: https://github.com/CJ-2/upload-app.git: No such file or directory
rahaf5747@cloudshell:~ (euphoric-truth-422920-i0)$ ls
'gcloud auth list'  GCP-Flask-App  README-cloudshell.txt  upload-app
rahaf5747@cloudshell:~ (euphoric-truth-422920-i0)$ cd upload app
-bash: cd: too many arguments
rahaf5747@cloudshell:~ (euphoric-truth-422920-i0)$ cd upload-app
rahaf5747@cloudshell:~/upload-app (euphoric-truth-422920-i0)$ █
```

run thses comands

ls

cd storage

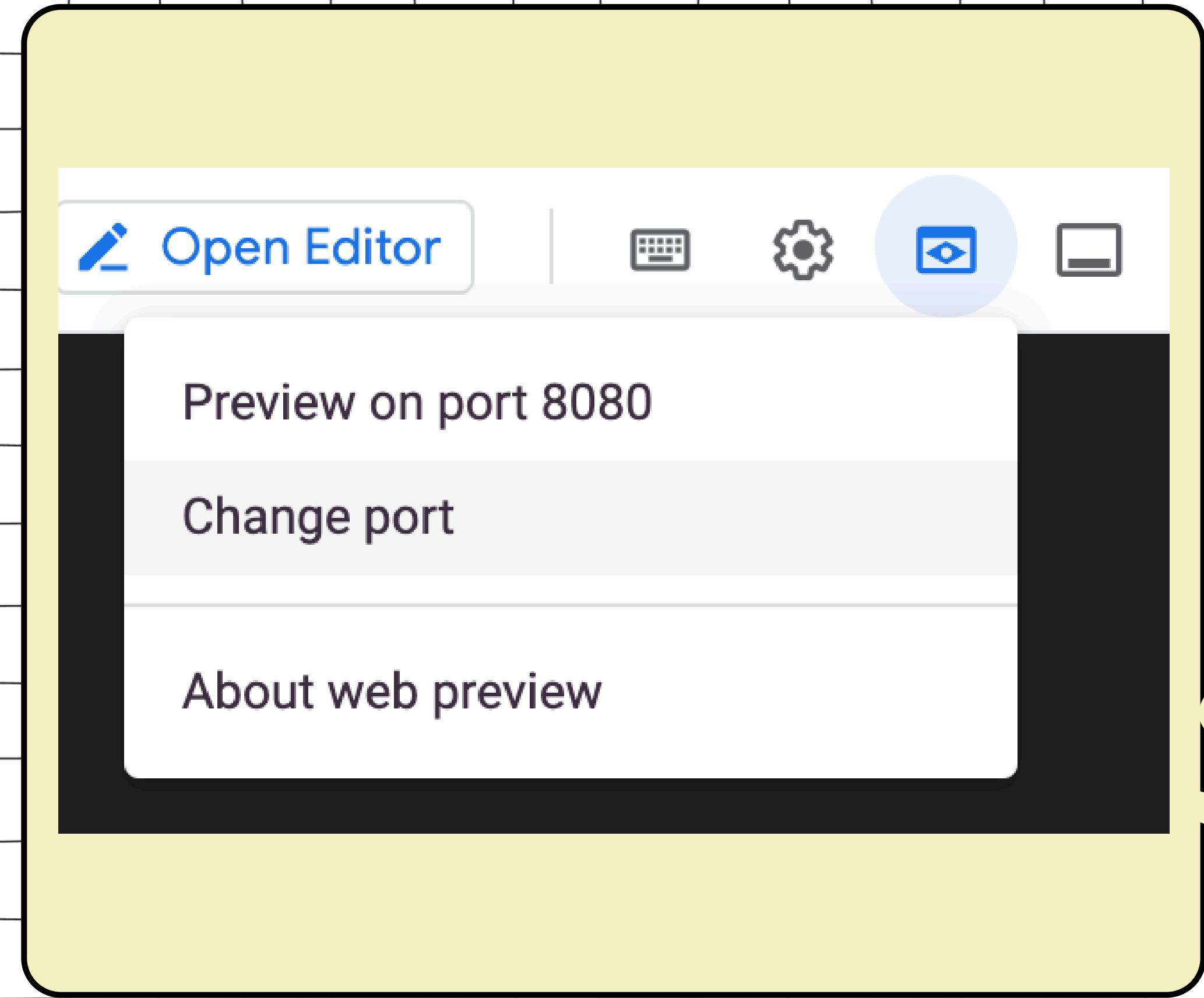
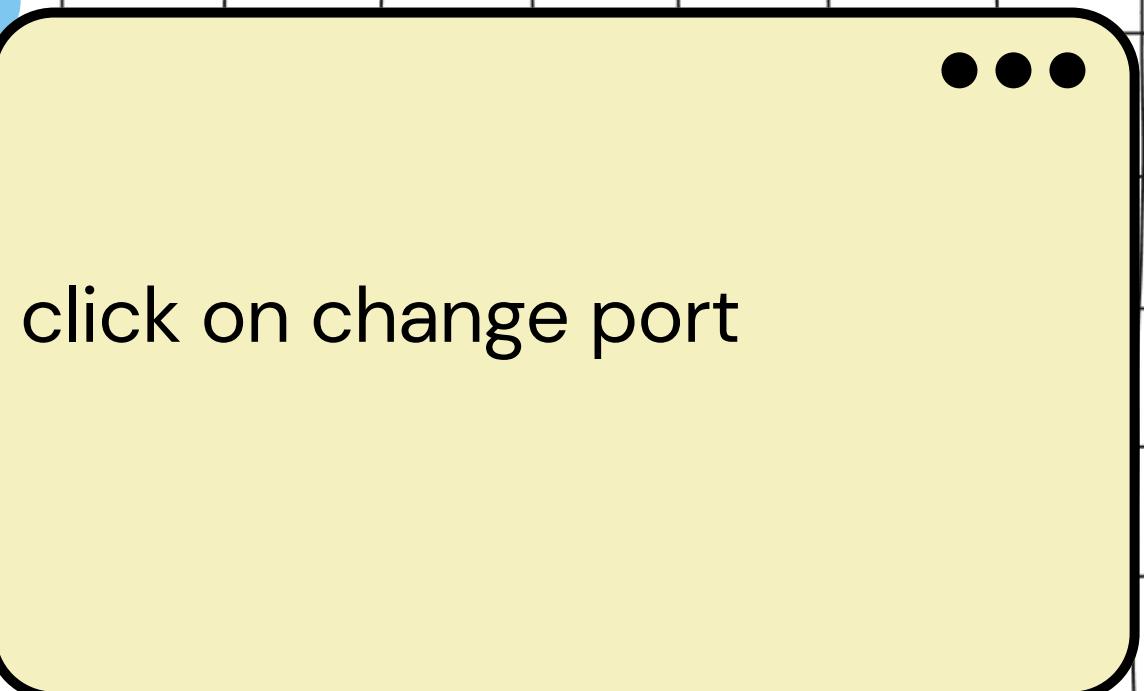
ls

python main.py

```
-bash: https://github.com/CJ-2/upload-app.git: No such file or directory
rahaf5747@cloudshell:~ (euphoric-truth-422920-i0)$ ls
'gcloud auth list'  GCP-Flask-App  README-cloudshell.txt  upload-app
rahaf5747@cloudshell:~ (euphoric-truth-422920-i0)$ cd upload app
-bash: cd: too many arguments
rahaf5747@cloudshell:~ (euphoric-truth-422920-i0)$ cd upload-app
rahaf5747@cloudshell:~/upload-app (euphoric-truth-422920-i0)$ ls
README.md  storage
rahaf5747@cloudshell:~/upload-app (euphoric-truth-422920-i0)$ cd storage
rahaf5747@cloudshell:~/upload-app/storage (euphoric-truth-422920-i0)$ ls
app.yaml  main.py  requirements.txt  templates  uploads
rahaf5747@cloudshell:~/upload-app/storage (euphoric-truth-422920-i0)$ python main app
python: can't open file '/home/rahaf5747/upload-app/storage/main': [Errno 2] No such file or directory
rahaf5747@cloudshell:~/upload-app/storage (euphoric-truth-422920-i0)$ python main.py
```

```
rahaf5747@cloudshell:~/upload-app/storage (euphoric-truth-422920-i0)$ 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: 140-030-831
```

after that click on web
preview



set the port number to
5000

Change Preview Port

Port Number *

5000

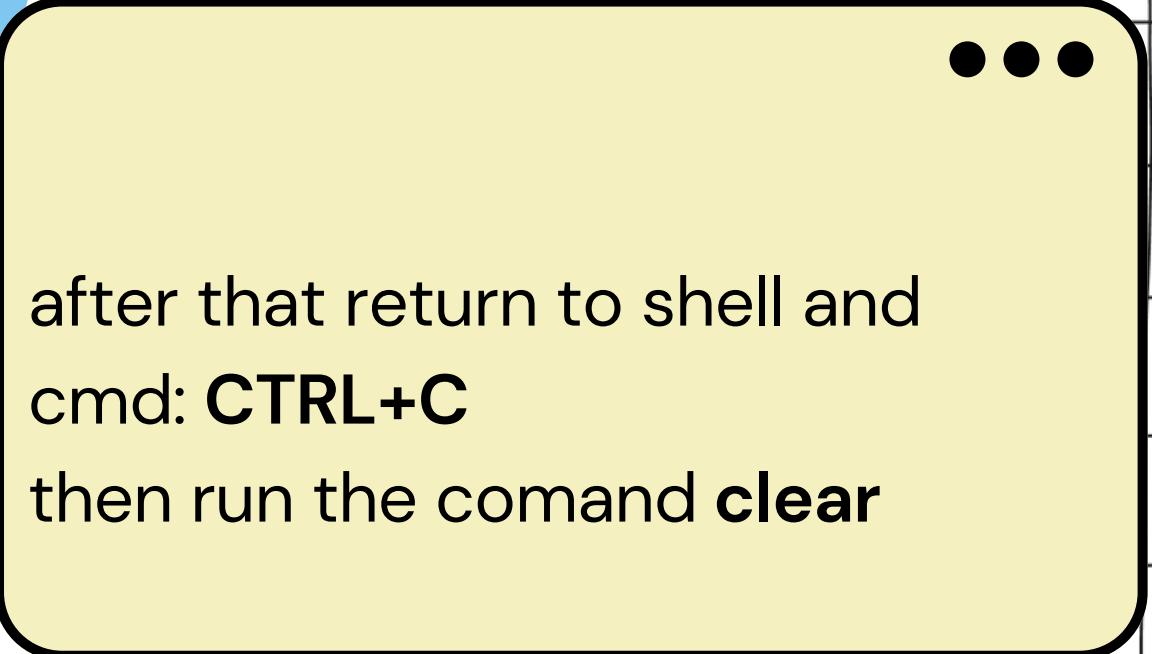


[CANCEL](#) [CHANGE AND PREVIEW](#)

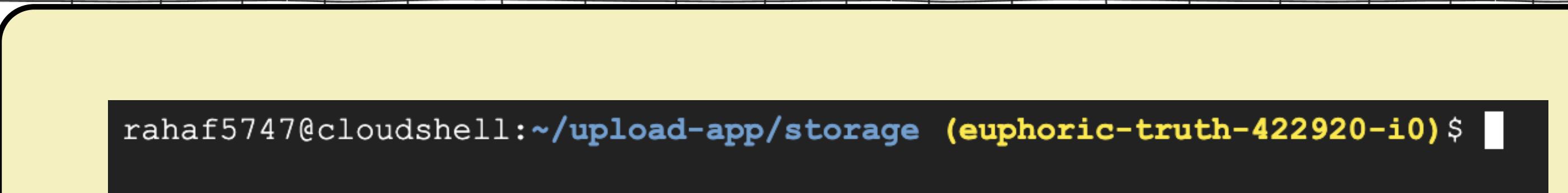
Upload new File

No file chosen

[Explore Uploaded Files](#)



after that return to shell and
cmd: **CTRL+C**
then run the command **clear**



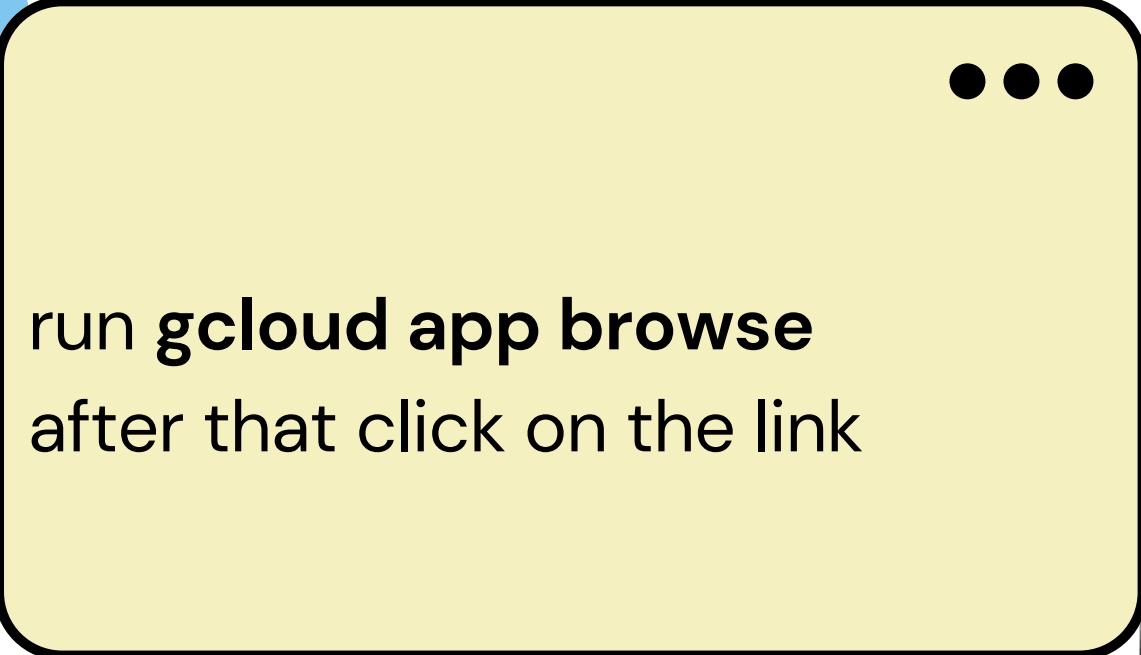
```
raha5747@cloudshell:~/upload-app/storage (euphoric-truth-422920-i0) $ █
```

run **ls**
the run **gcloud app deploy**

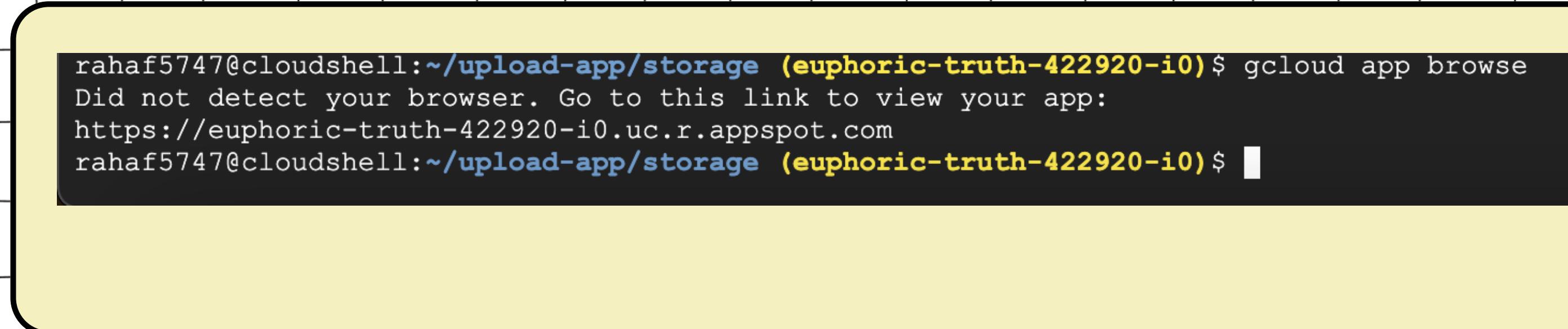
```
rahaf5747@cloudshell:~/upload-app/storage (euphoric-truth-422920-i0)$ ls  
app.yaml main.py requirements.txt templates uploads  
rahaf5747@cloudshell:~/upload-app/storage (euphoric-truth-422920-i0)$ gcloud app deploy
```

run y

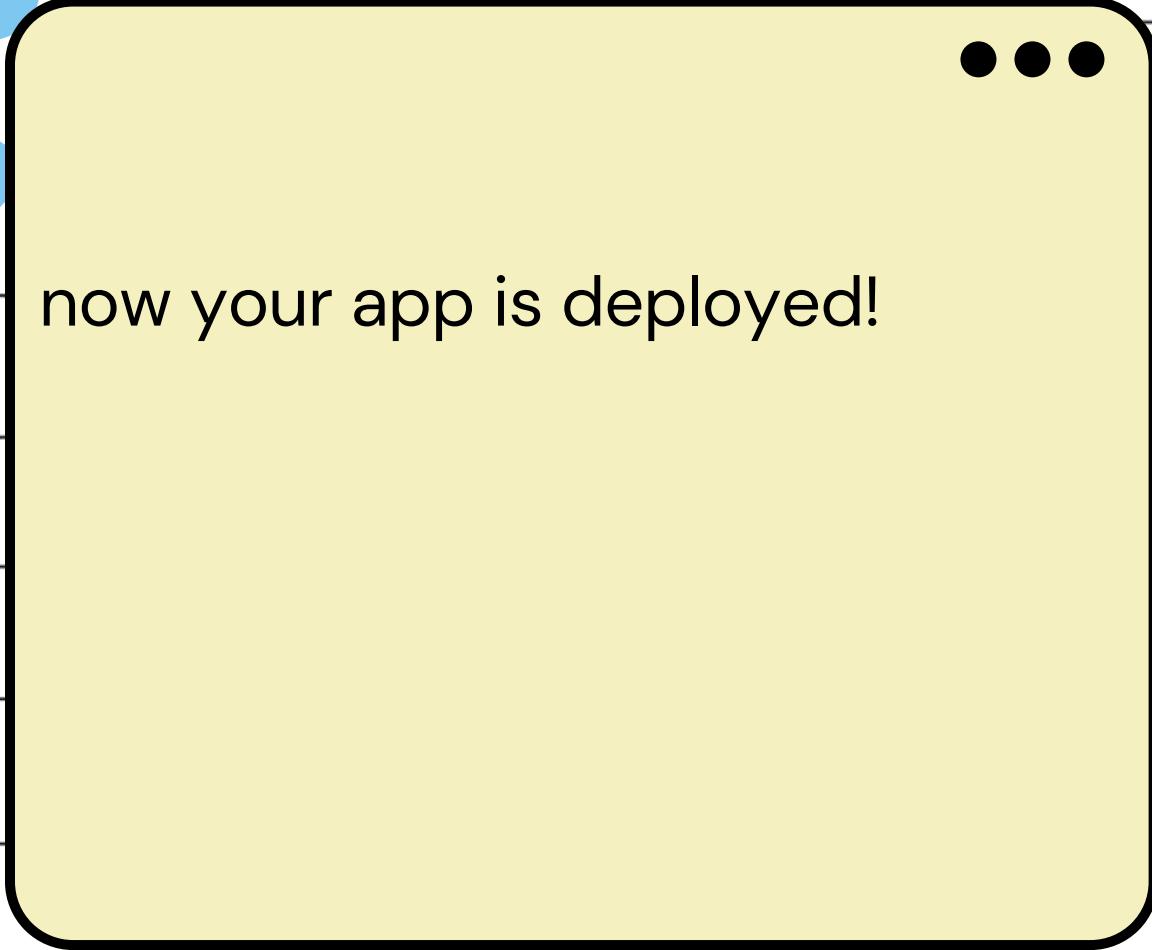
```
rahaf5747@cloudshell:~/upload-app/storage (euphoric-truth-422920-i0)$ ls  
app.yaml main.py requirements.txt templates uploads  
rahaf5747@cloudshell:~/upload-app/storage (euphoric-truth-422920-i0)$ gcloud app deploy  
Services to deploy:  
  
descriptor: [/home/rahaf5747/upload-app/storage/app.yaml]  
source: [/home/rahaf5747/upload-app/storage]  
target project: [euphoric-truth-422920-i0]  
target service: [default]  
target version: [20240604t210423]  
target url: [https://euphoric-truth-422920-i0.uc.r.appspot.com]  
target service account: [euphoric-truth-422920-i0@appspot.gserviceaccount.com]  
  
Do you want to continue (Y/n) ? y
```



run **gcloud app browse**
after that click on the link



```
raha5747@cloudshell:~/upload-app/storage (euphoric-truth-422920-i0)$ gcloud app browse  
Did not detect your browser. Go to this link to view your app:  
https://euphoric-truth-422920-i0.uc.r.appspot.com  
raha5747@cloudshell:~/upload-app/storage (euphoric-truth-422920-i0)$
```



now your app is deployed!

Upload new File

No file chosen

[Explore Uploaded Files](#)

go back to the dashboard
and click **versions**

App Engine

 Dashboard

 Services

 Versions

 Instances

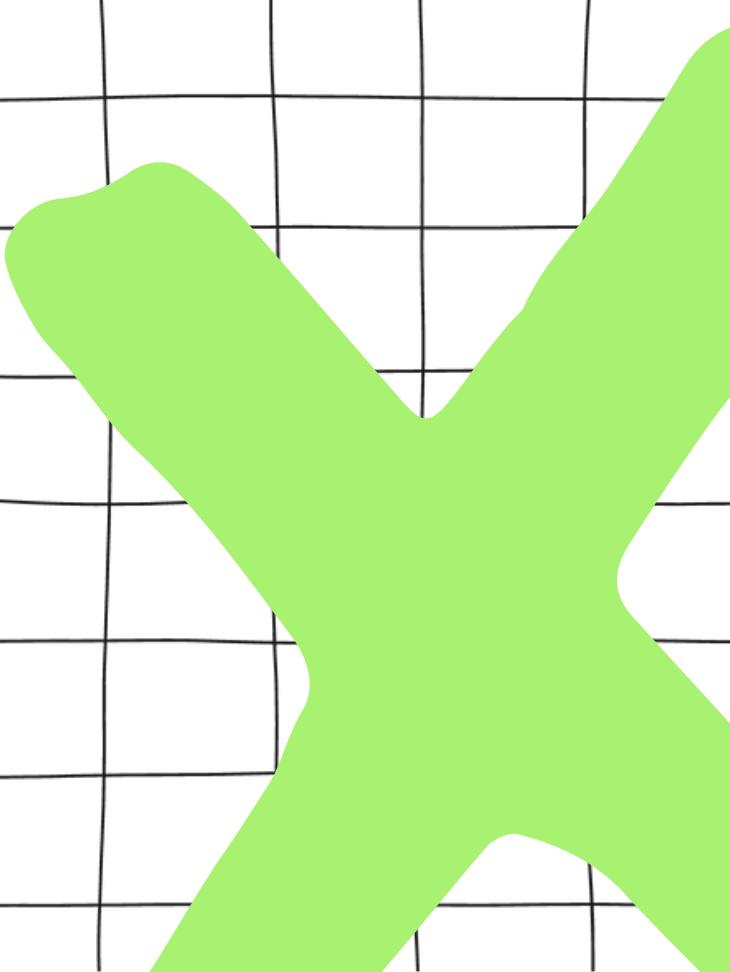
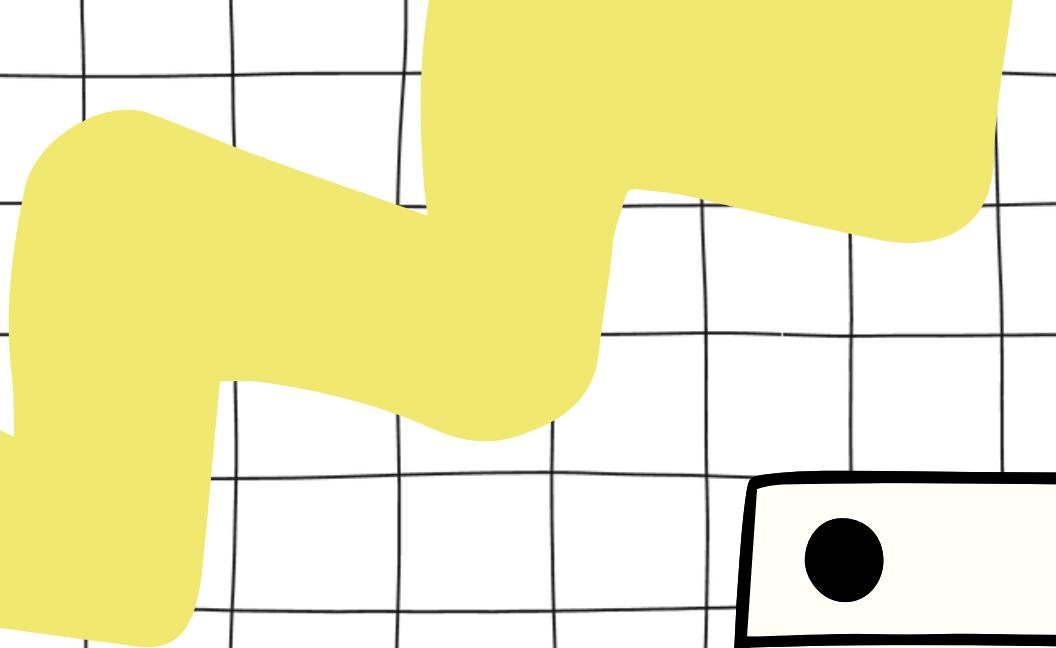
 Task queues

here is your app version

Filter versions				
<input type="checkbox"/> Version	Status	Traffic Allocation	Instances	?
<input checked="" type="checkbox"/> 20240604t210423 ↗	Serving	<div style="width: 100%;">100%</div>	0	

S





Thank you

BY : Rahaf Alayuni