GOOGLE CLOUD PLATFOEM PROJECT

DEPLOY YOUR FLASK APP ON GOOGLE CLOUD (APP ENGINE)

by **Noura Alhenaki**

Guidelines:

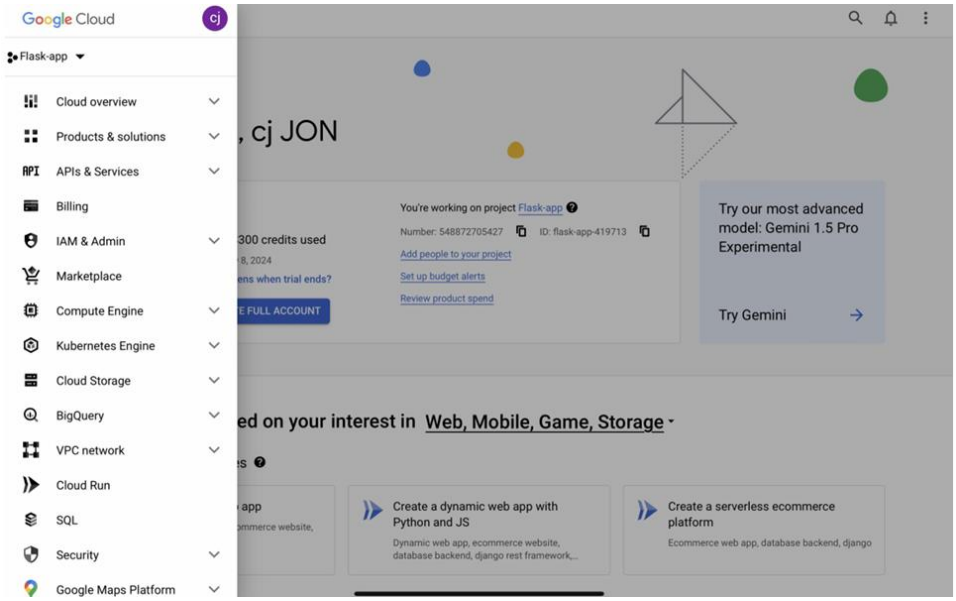
- First make your own GCP account.

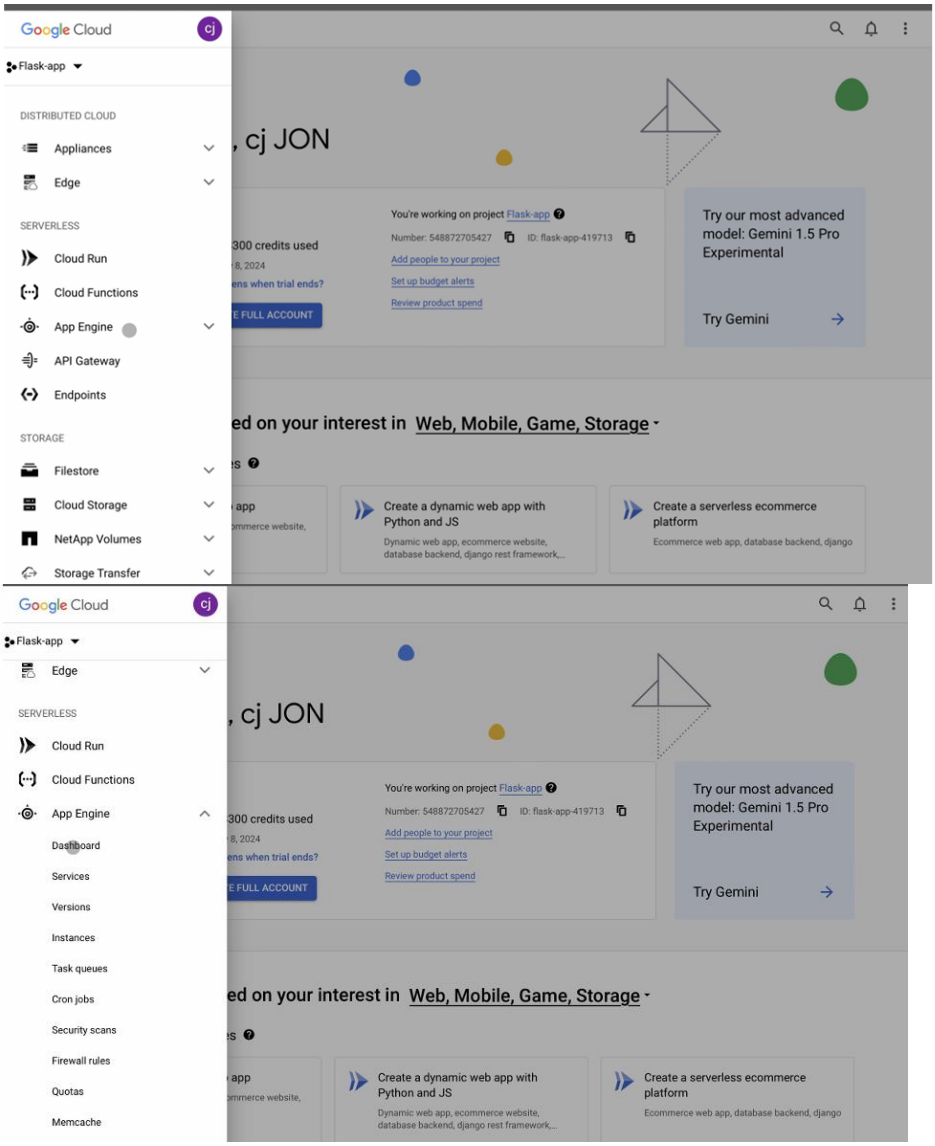
- second after you make your account go to app engine and create your application

- third deploying your flask app

App Engine settings:

here you make your first application.




Google Cloud
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Flask-app
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Appliances
Edge
SERVERLESS
Cloud Run
Cloud Functions
App Engine
API Gateway
Endpoints
STORAGE
Filestore
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You're working on project Flask-app
Number: 548872705427
ID: flask-app-419713
Add people to your project
Set up budget alerts
Review product spend
Try our most advanced model: Gemini 1.5 Pro Experimental
Try Gemini
ed on your interest in Web, Mobile, Game, Storage
Create a dynamic web app with Python and JS
Dynamic web app, ecommerce website, database backend, django rest framework,...
Create a serverless ecommerce platform
Ecommerce web app, database backend, django

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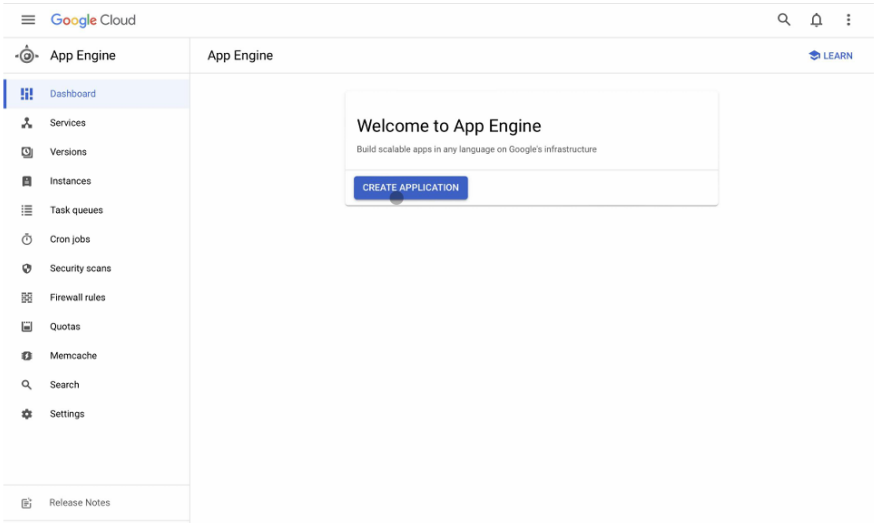
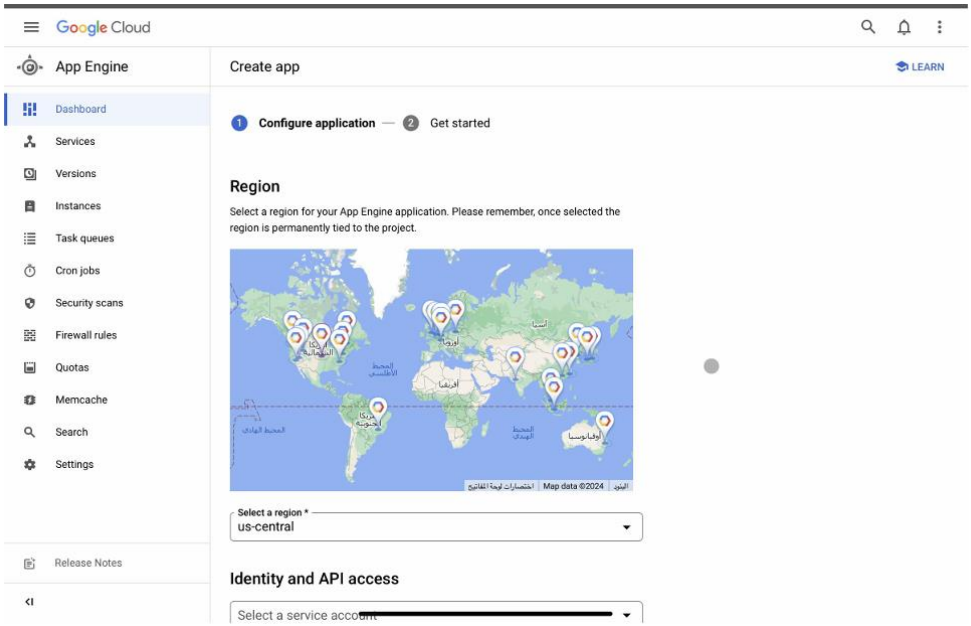
ed on your interest in Web, Mobile, Game, Storage
Create a dynamic web app with Python and JS
Dynamic web app, ecommerce website, database backend, django rest framework,...
Create a serverless ecommerce platform
Ecommerce web app, database backend, django

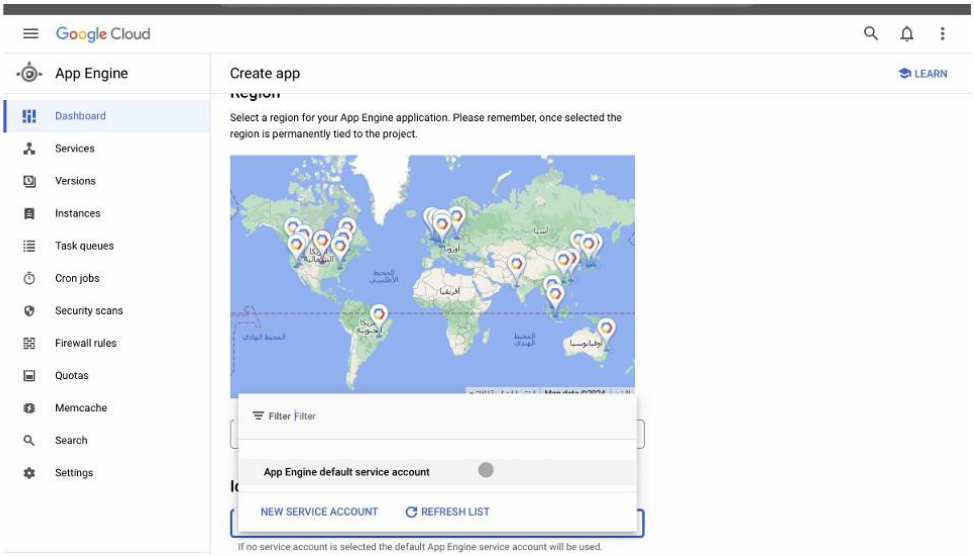
And click on create.



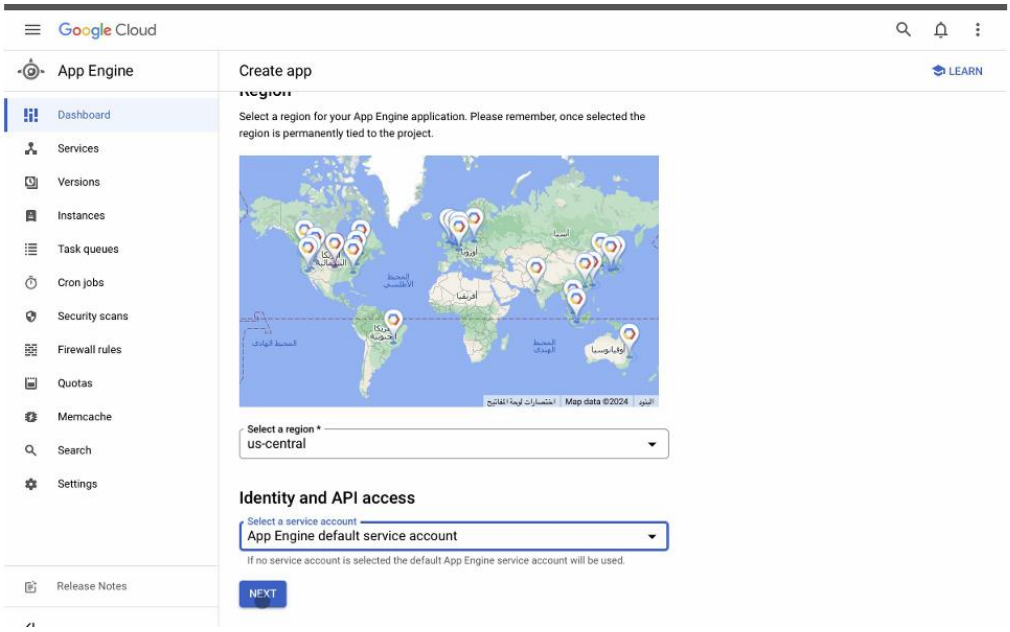
The application settings.

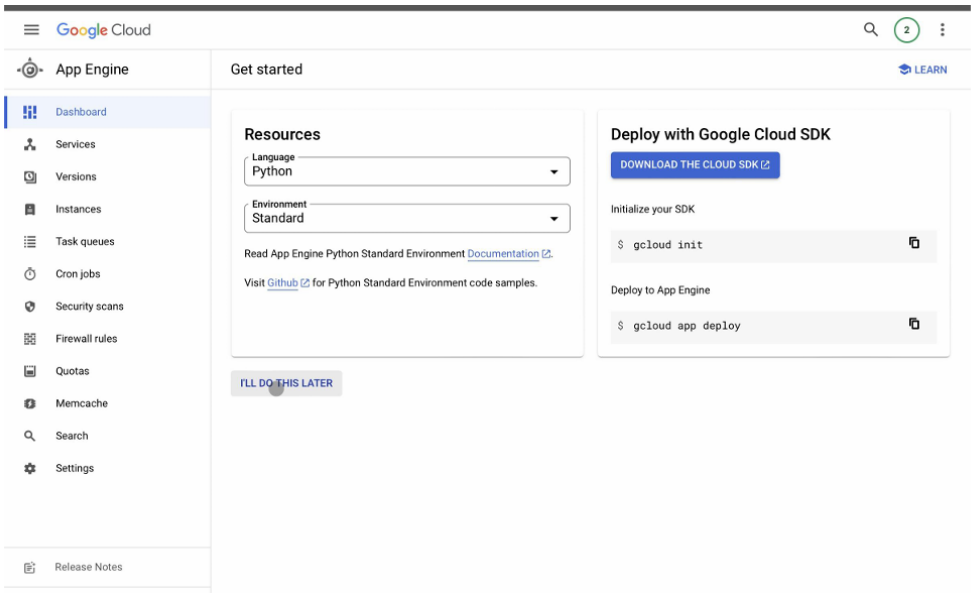


Choose the API access.



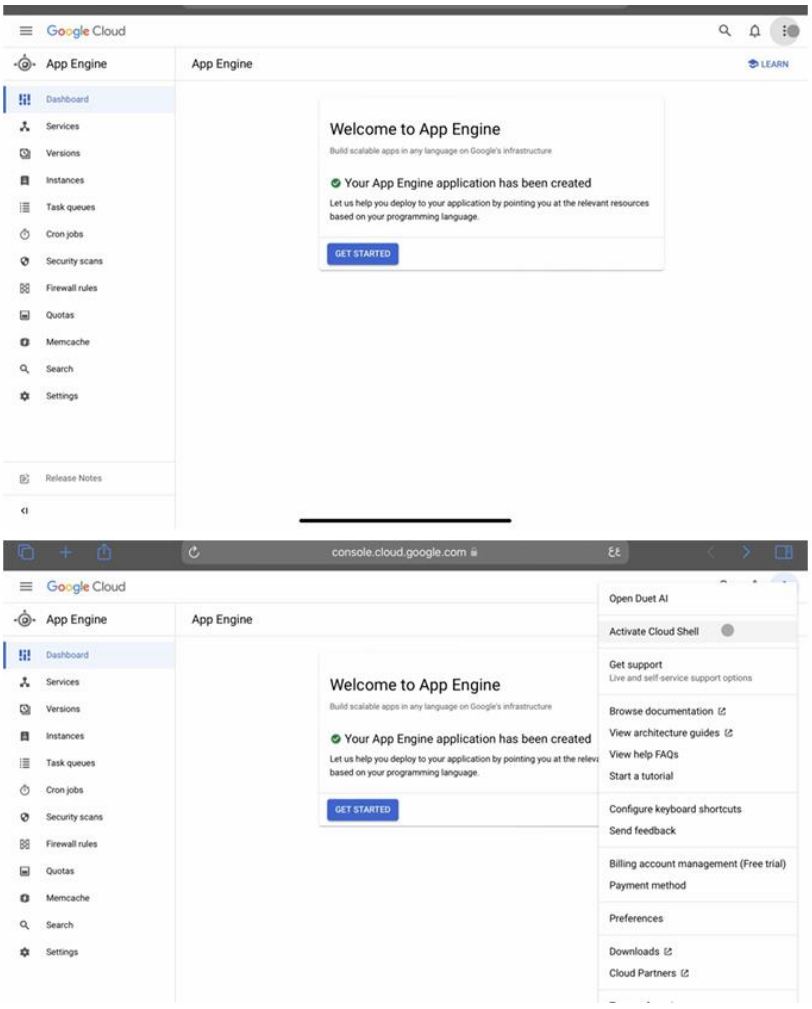
Now click create.





Cloud Shell:

After we create our first application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Task queues
Cron jobs
Security scans
Firewall rules
Quotas
Memcache
Search
Settings
Release Notes
Welcome to App Engine
Build scalable apps in any language on Google's infrastructure
Your App Engine application has been created
Let us help you deploy to your application by pointing you at the relevant resources based on your programming language.
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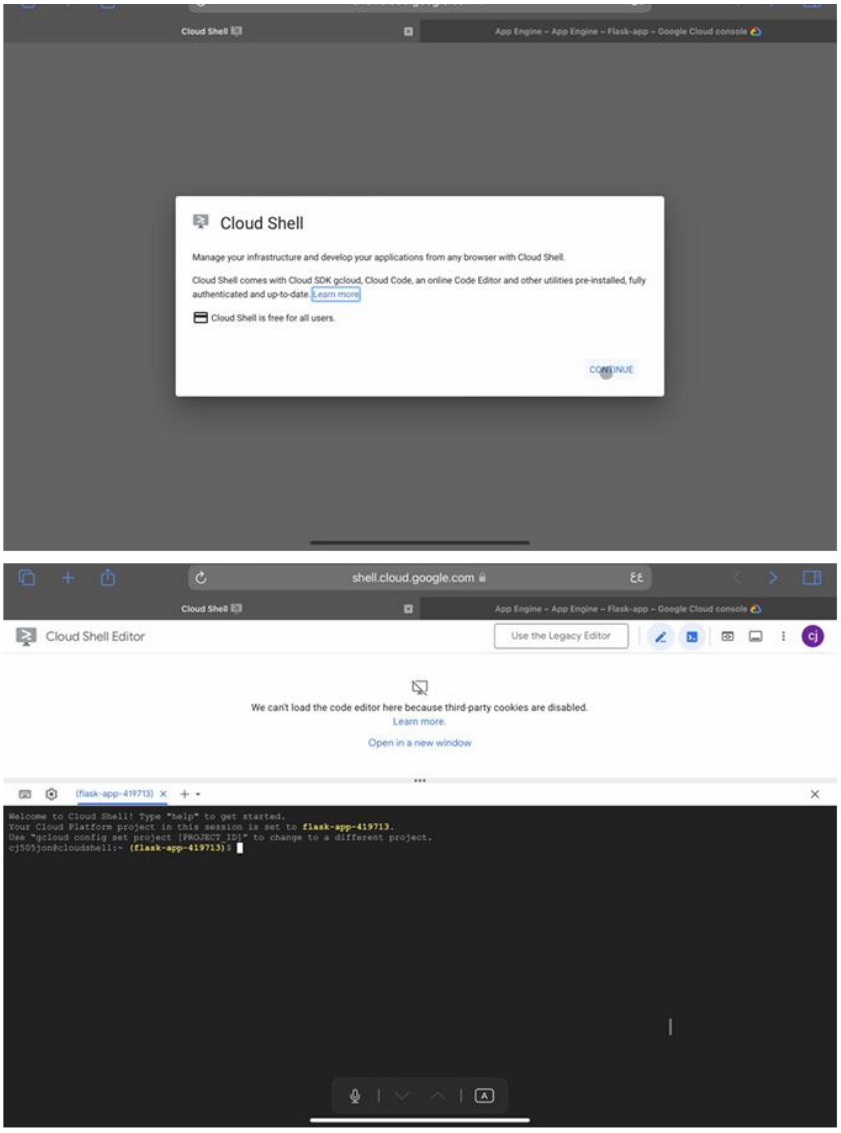
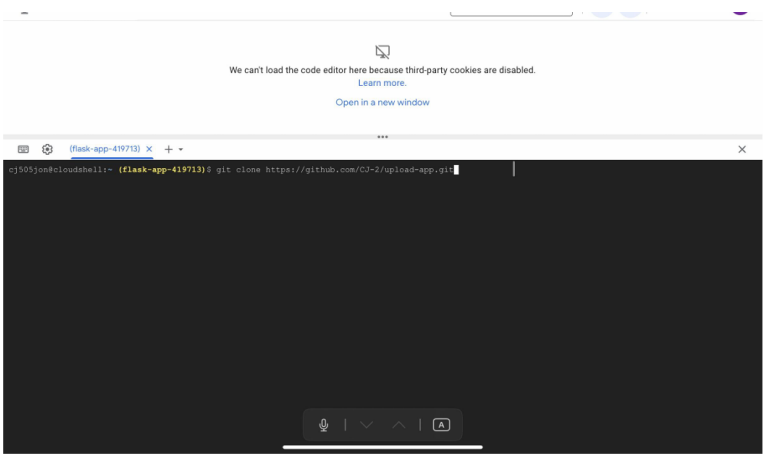
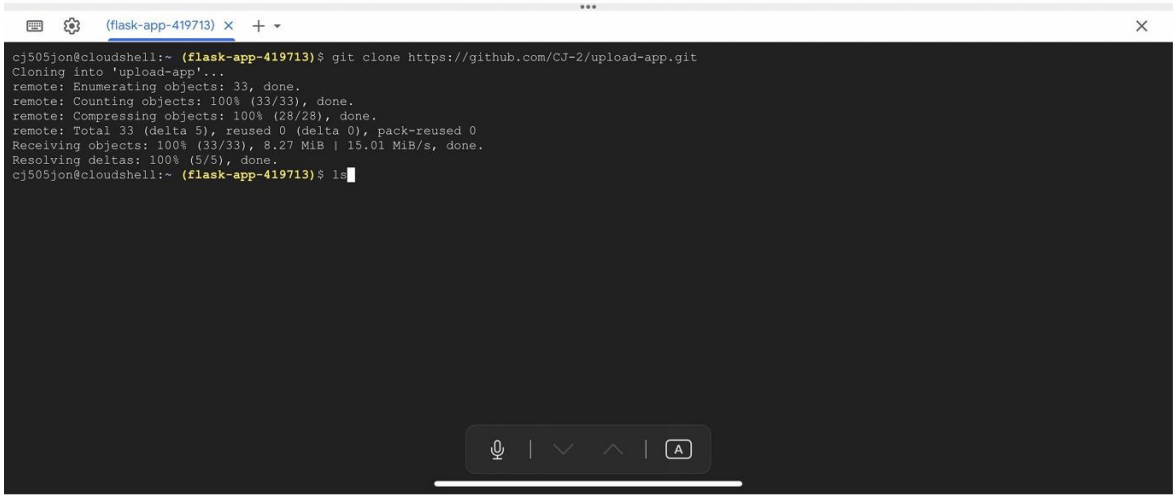
Get support
Live and self-service support options
Browse documentation
View architecture guides
View help FAQs
Start a tutorial
Configure keyboard shortcuts
Send feedback
Billing account management (Free trial)
Payment method
Preferences
Downloads
Cloud Partners



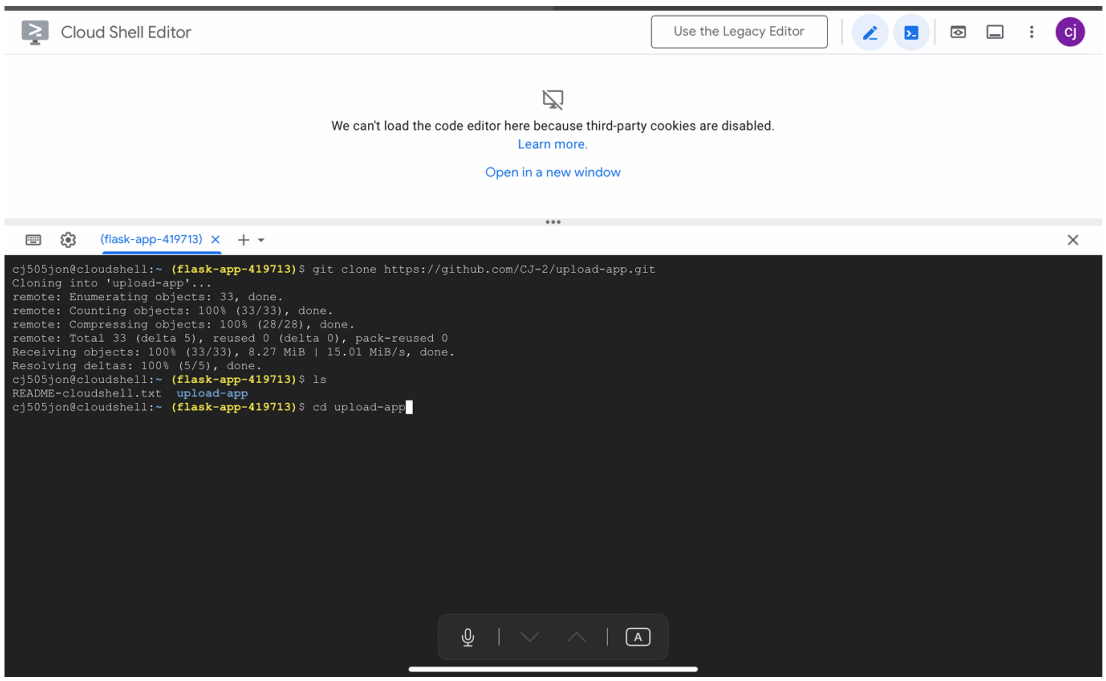
After we open the shell cmd:
git clone https://github.com/CJ-2/upload-app.git



cmd: ls



cmd: cd upload-app



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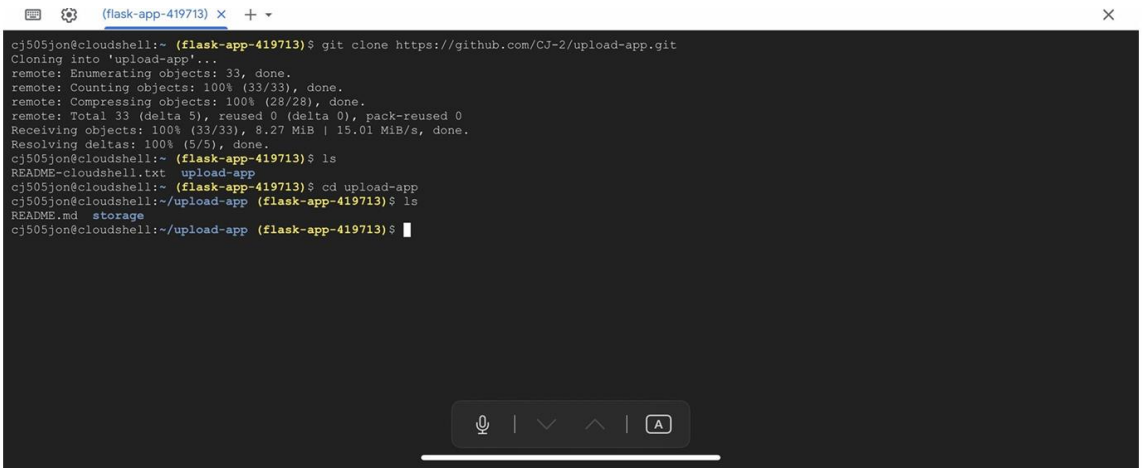
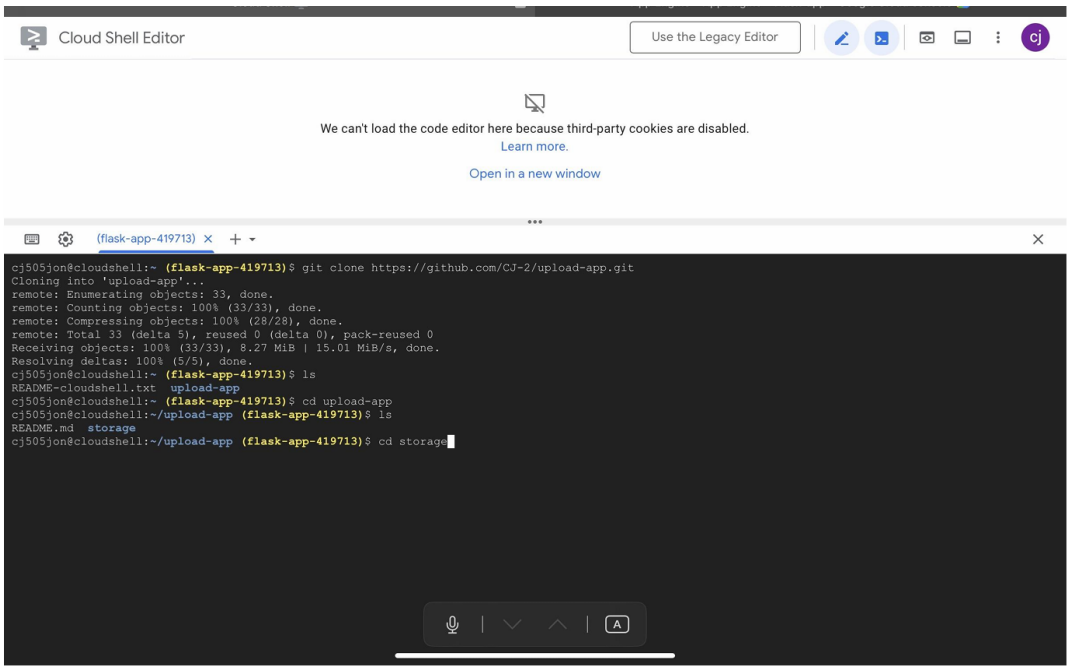


cmd: cd storage



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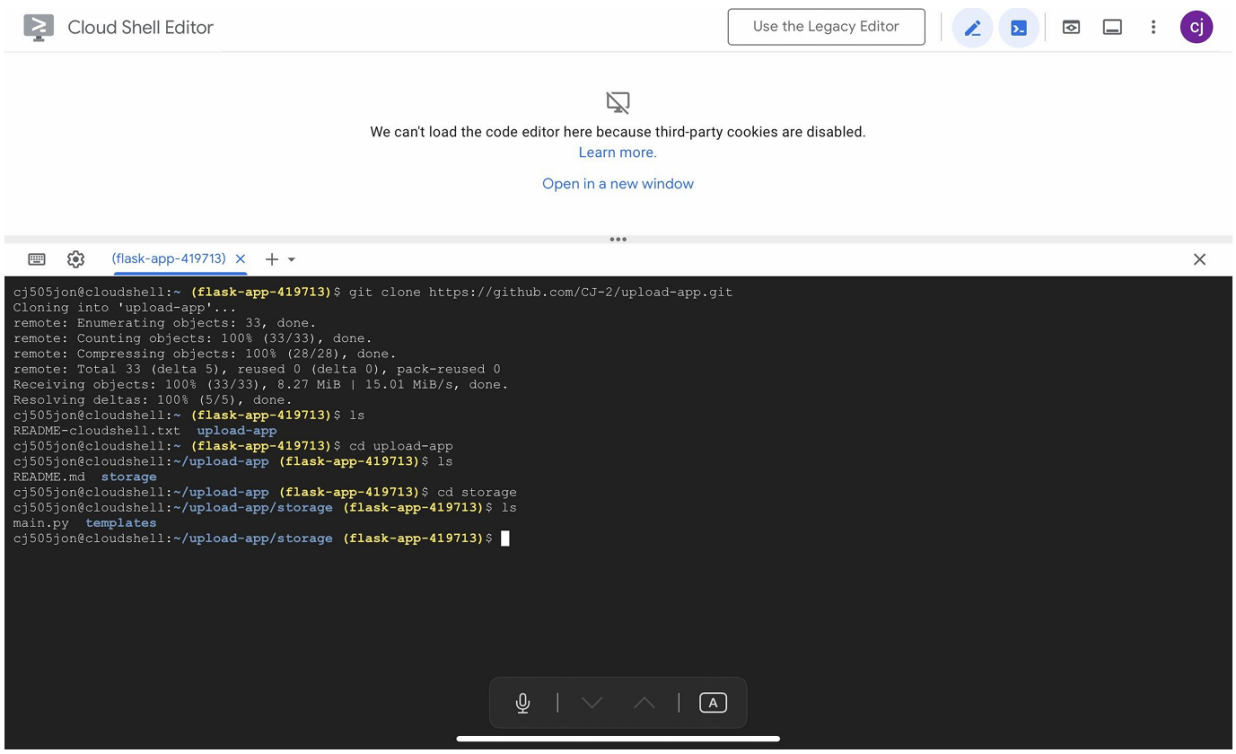
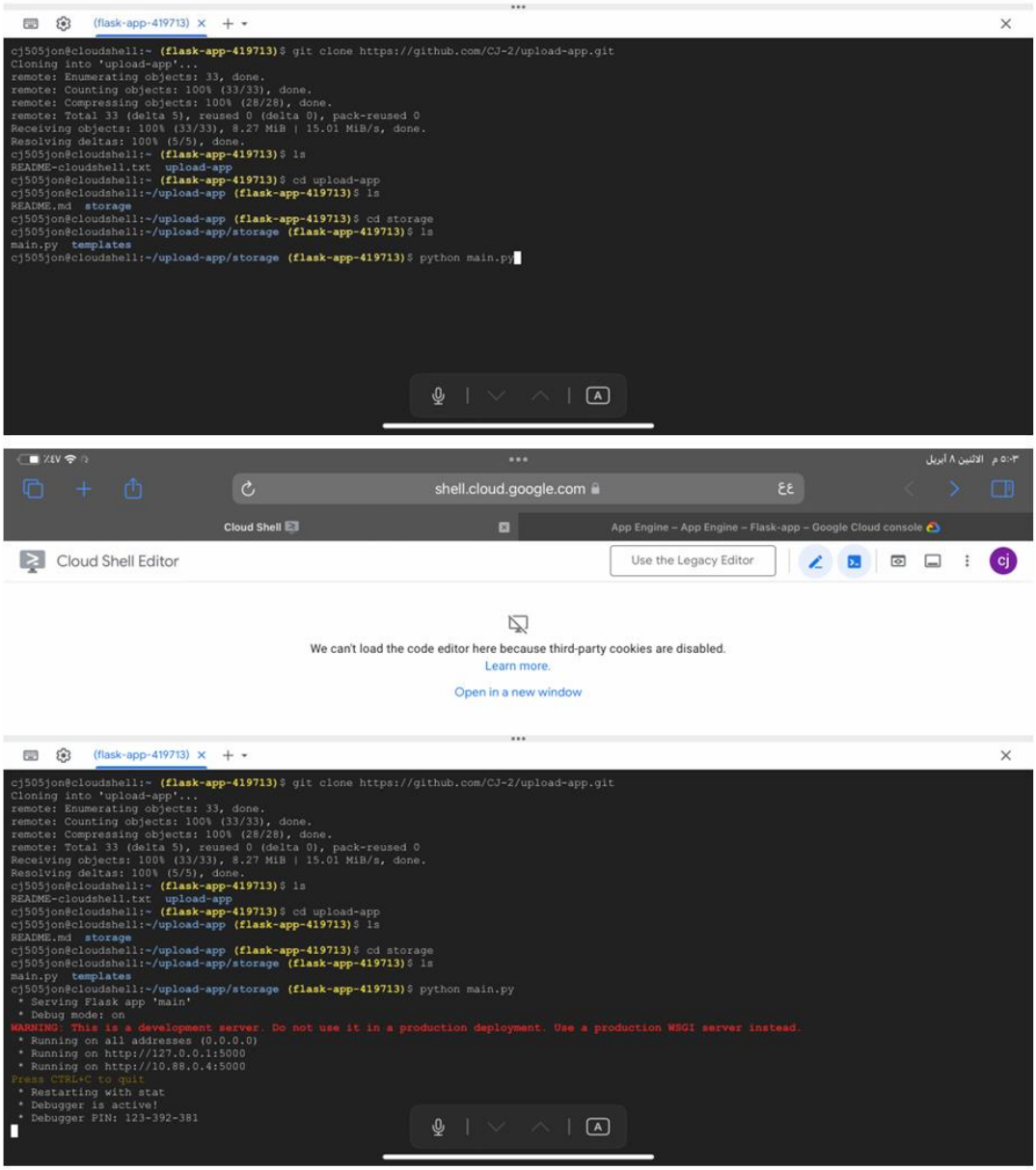
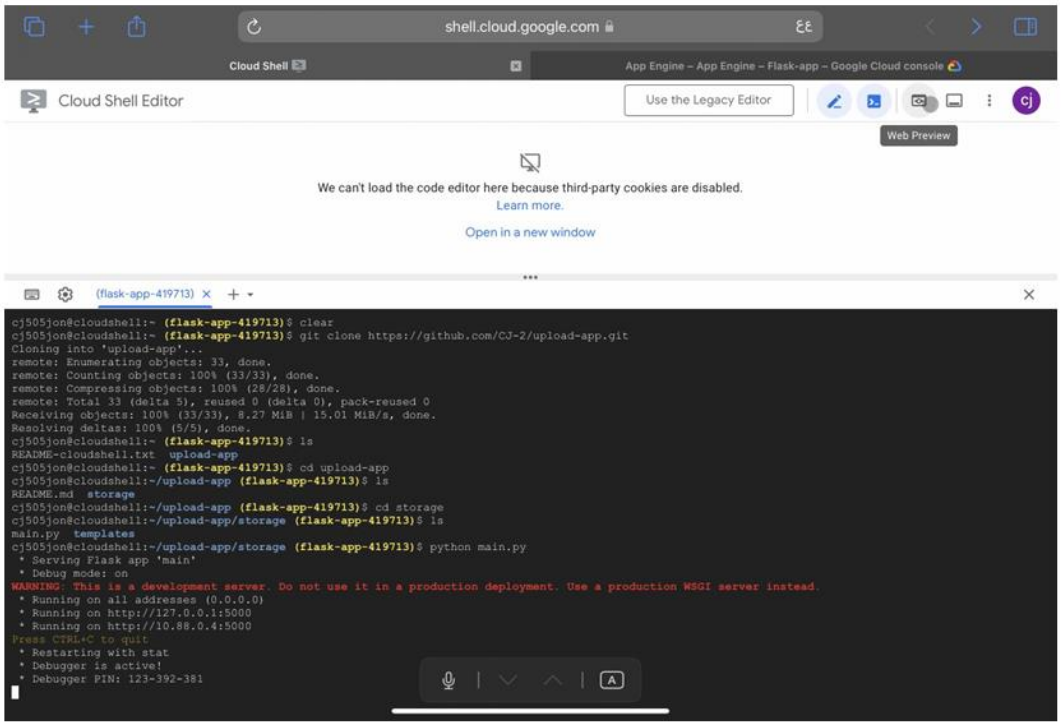


cmd: python main.py



Click on web preview and follow the steps.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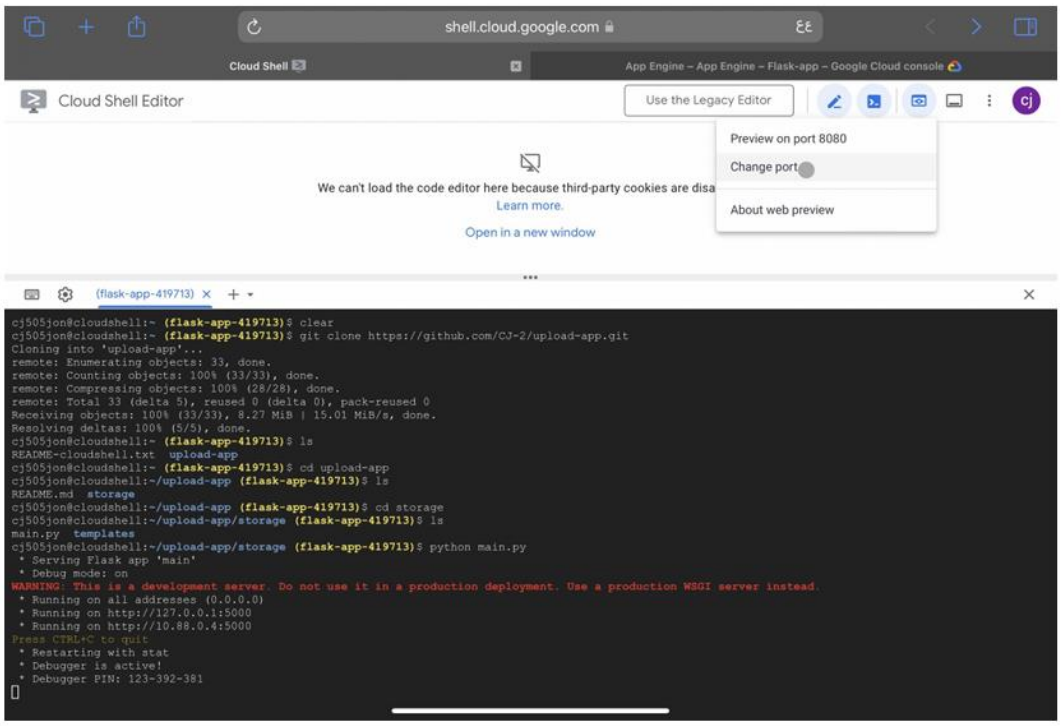
Learn more.
Open in a new window
(flask-app-419713)
cj505jon@cloudshell:~ (flask-app-419713)$ clear
cj505jon@cloudshell:~ (flask-app-419713)$ git clone https://github.com/CJ-2/upload-app.git
Cloning into 'upload-app'...
remote: Enumerating objects: 33, done.
remote: Counting objects: 100% (33/33), done.
remote: Compressing objects: 100% (28/28), done.
remote: Total 33 (delta 5), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (33/33), 8.27 MiB | 15.01 MiB/s, done.
Resolving deltas: 100% (5/5), done.
cj505jon@cloudshell:~ (flask-app-419713)$ ls
README-cloudshell.txt upload-app
cj505jon@cloudshell:~ (flask-app-419713)$ cd upload-app
cj505jon@cloudshell:~/upload-app (flask-app-419713)$ ls
README.md storage
cj505jon@cloudshell:~/upload-app (flask-app-419713)$ cd storage
cj505jon@cloudshell:~/upload-app/storage (flask-app-419713)$ ls
main.py templates
cj505jon@cloudshell:~/upload-app/storage (flask-app-419713)$ 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: 123-392-381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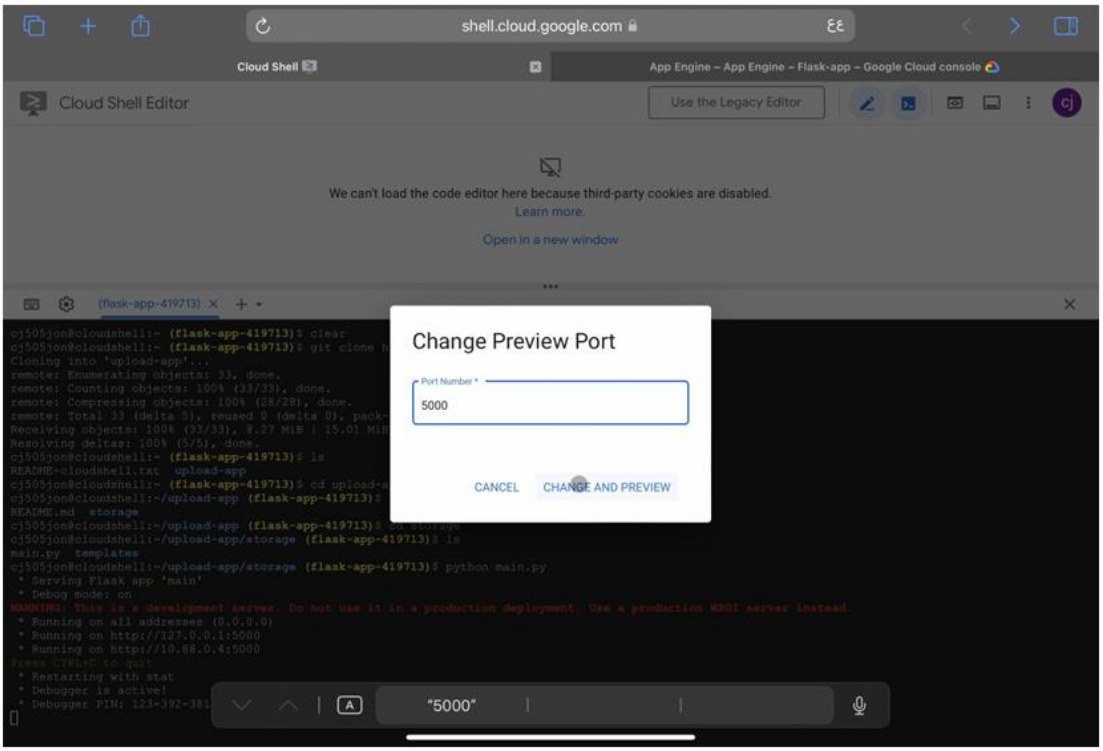
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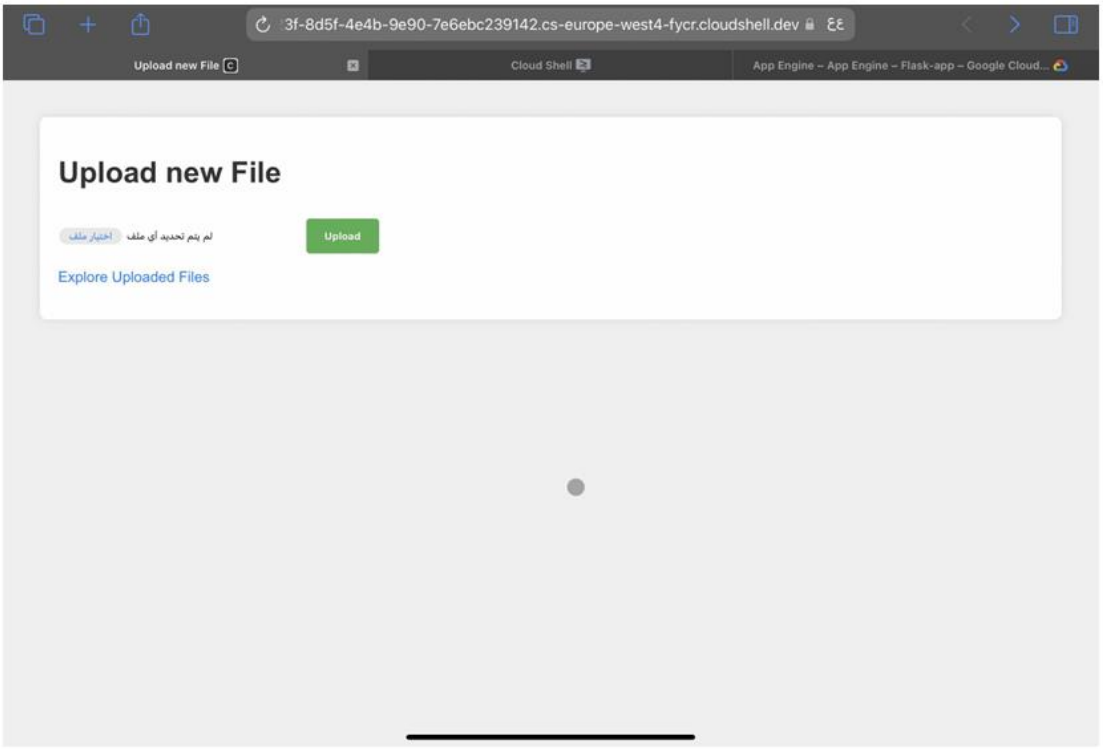
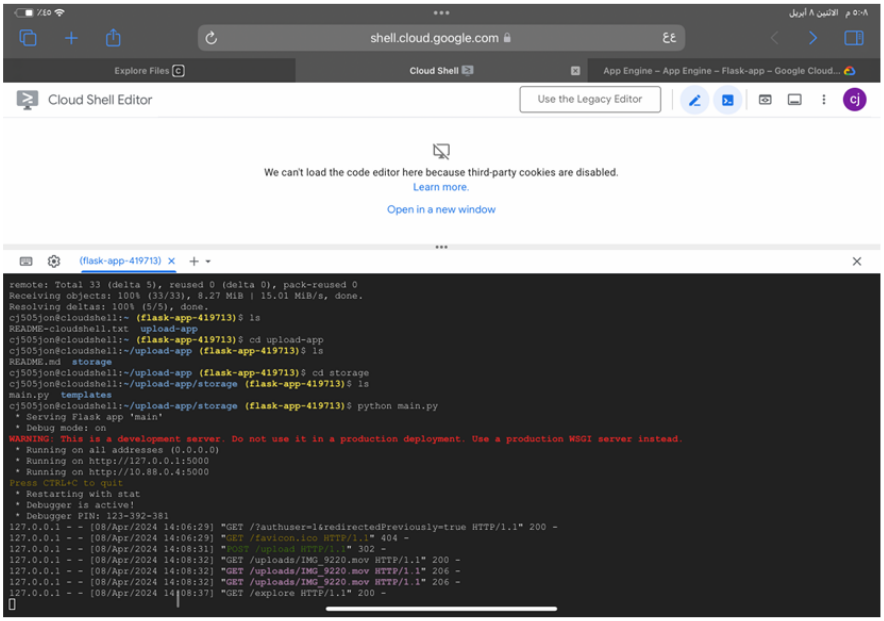
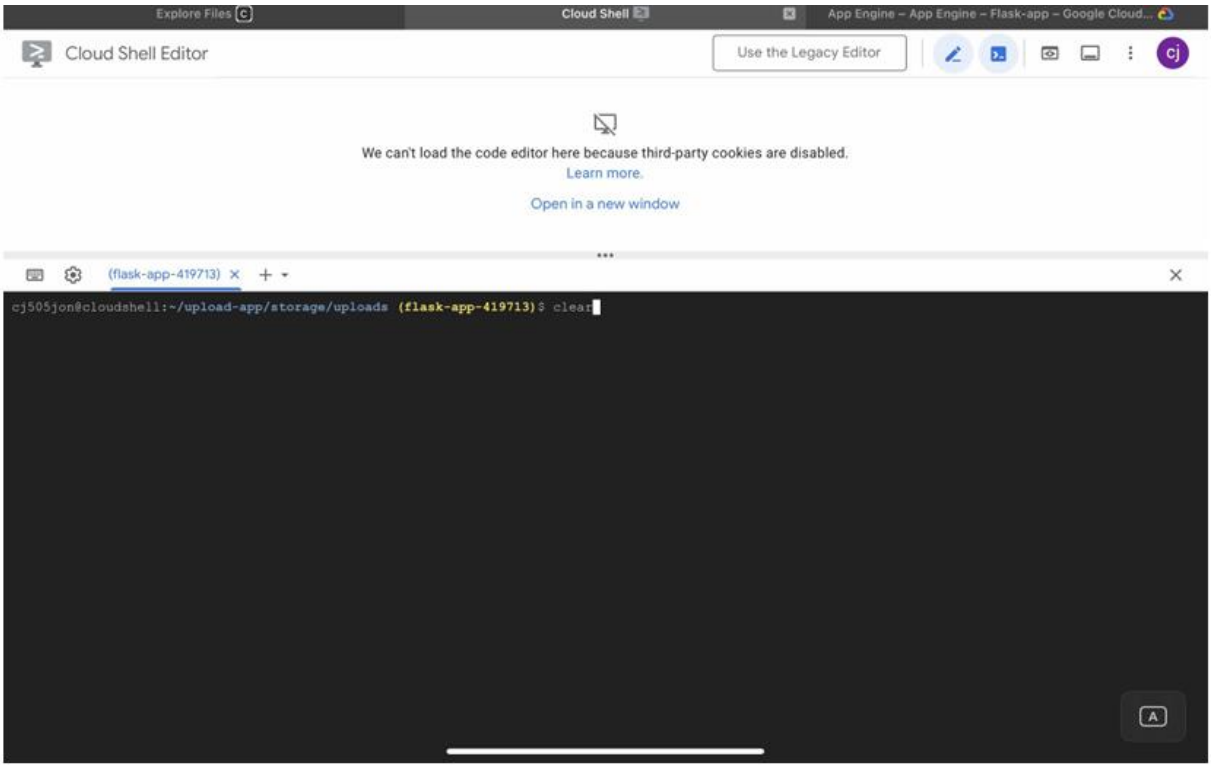
Change Preview Port
Port Number *
5000
CANCEL
CHANGE AND PREVIEW
"5000"


3f-8d5f-4e4b-9e90-7e6ebc239142.cs-europe-west4-fycr.cloudshell.dev
Upload new File
Cloud Shell
App Engine – App Engine – Flask-app – Google Cloud...
Upload new File
لم يتم تحديد أي ملف
اختيار ملف
Upload
Explore Uploaded Files

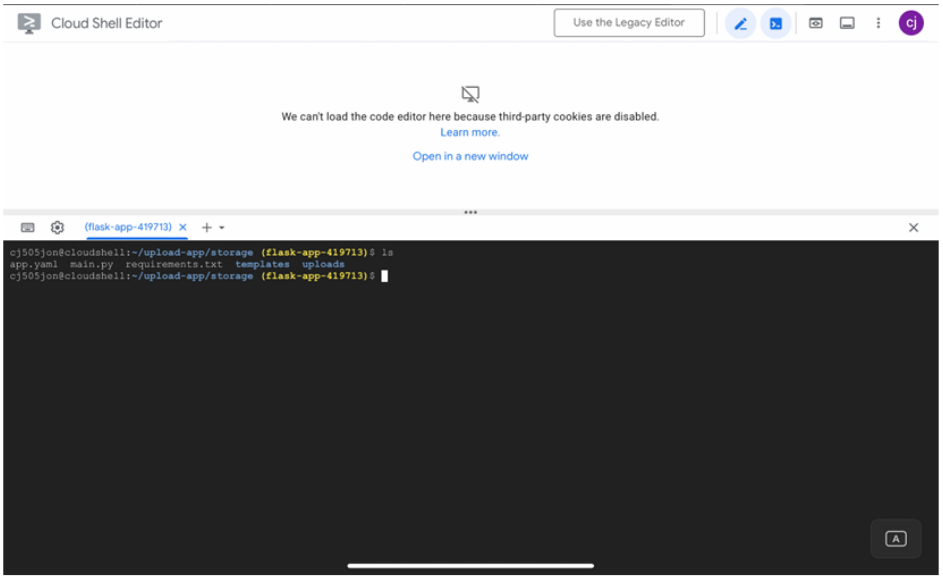
Return to shell and
cmd: CTRL+C



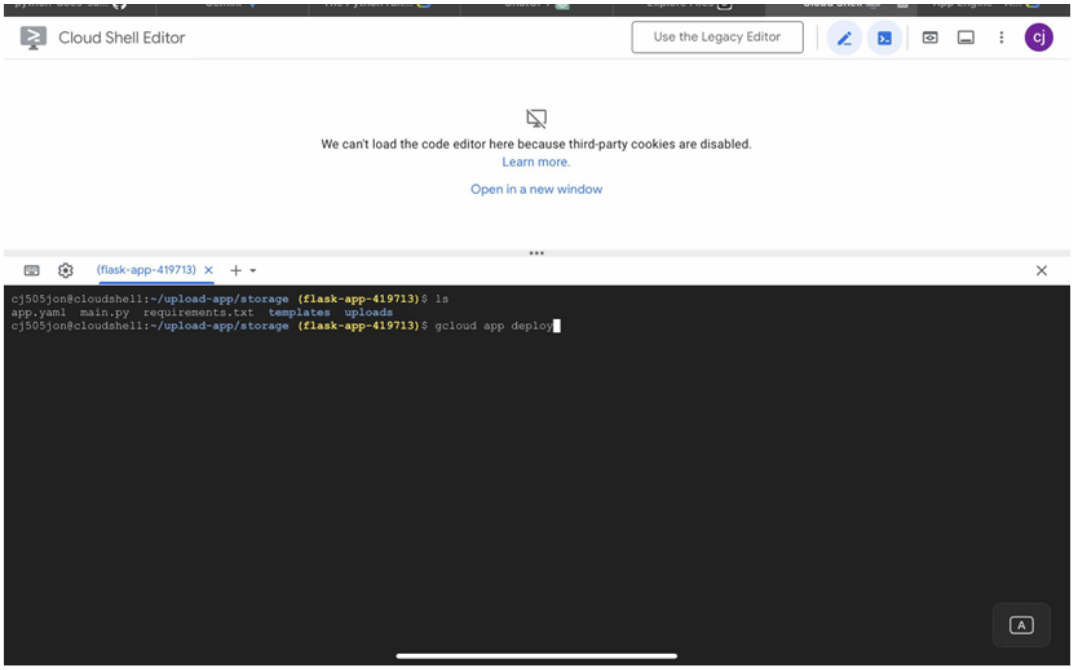
cmd: clear



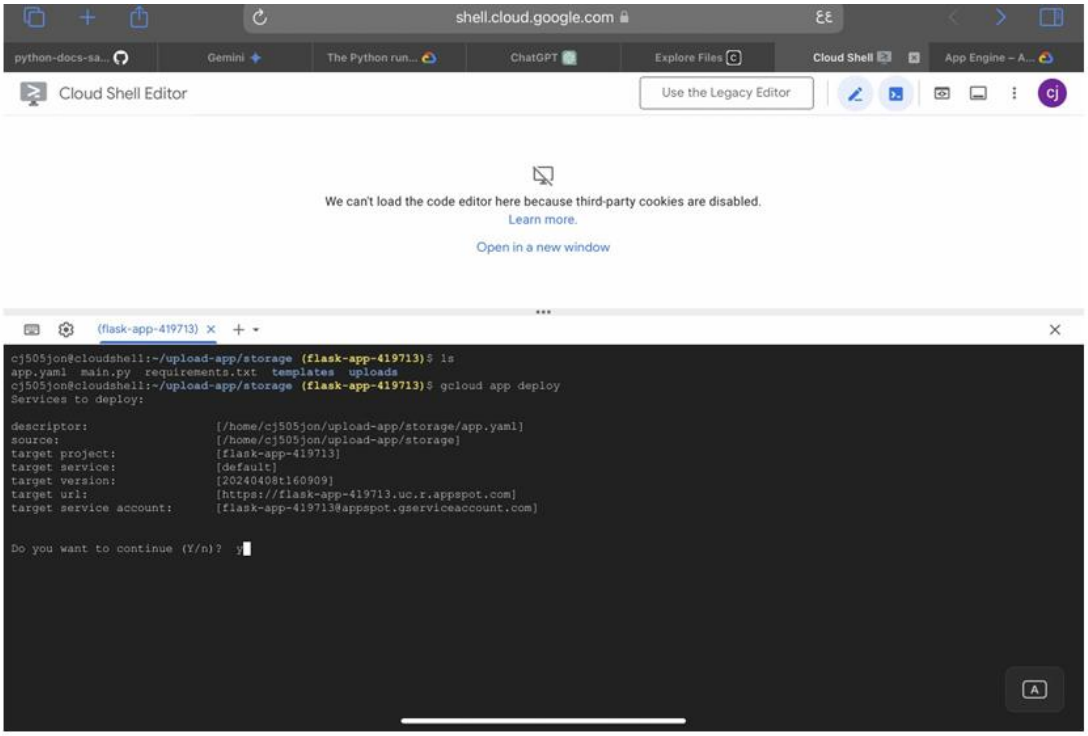
cmd: ls



cmd: gcloud app deploy



cmd: enter y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python-docs-sa...
Gemini
The Python run...
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Use the Legacy Editor
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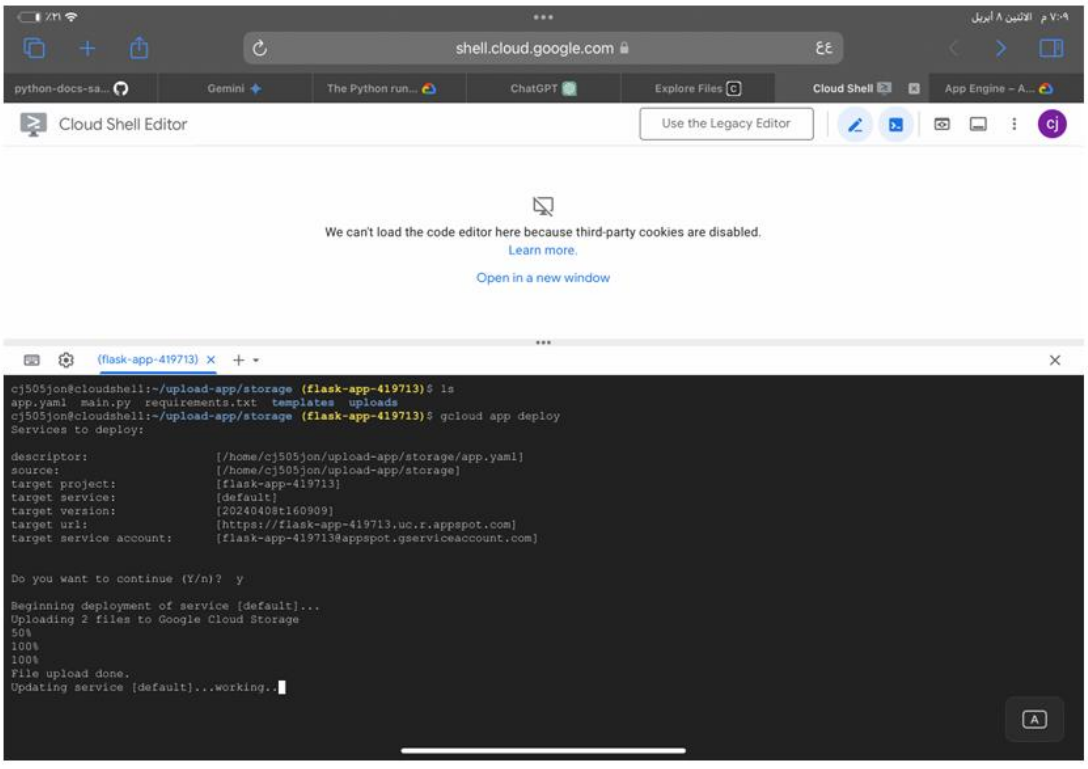
Open in a new window
(flask-app-419713)
cj505jon@cloudshell:~/upload-app/storage (flask-app-419713)$ ls
app.yaml main.py requirements.txt templates uploads
cj505jon@cloudshell:~/upload-app/storage (flask-app-419713)$ gcloud app deploy
Services to deploy:
descriptor: [/home/cj505jon/upload-app/storage/app.yaml]
source: [/home/cj505jon/upload-app/storage]
target project: [flask-app-419713]
target service: [default]
target version: [20240408t160909]
target url: [https://flask-app-419713.uc.r.appspot.com]
target service account: [flask-app-419713@appspot.gserviceaccount.com]
Do you want to continue (Y/n)? y


shell.cloud.google.com
python-docs-sa...
Gemini
The Python run...
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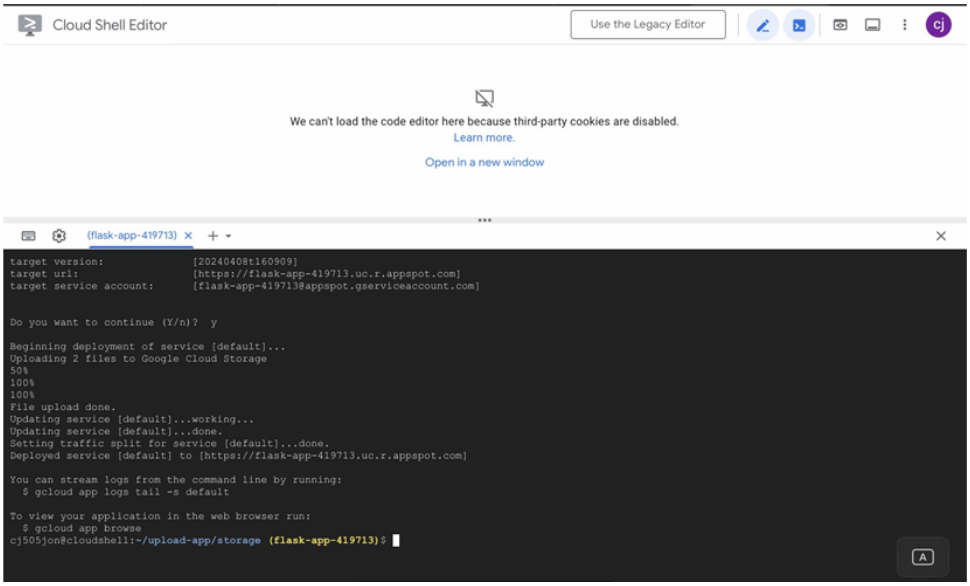
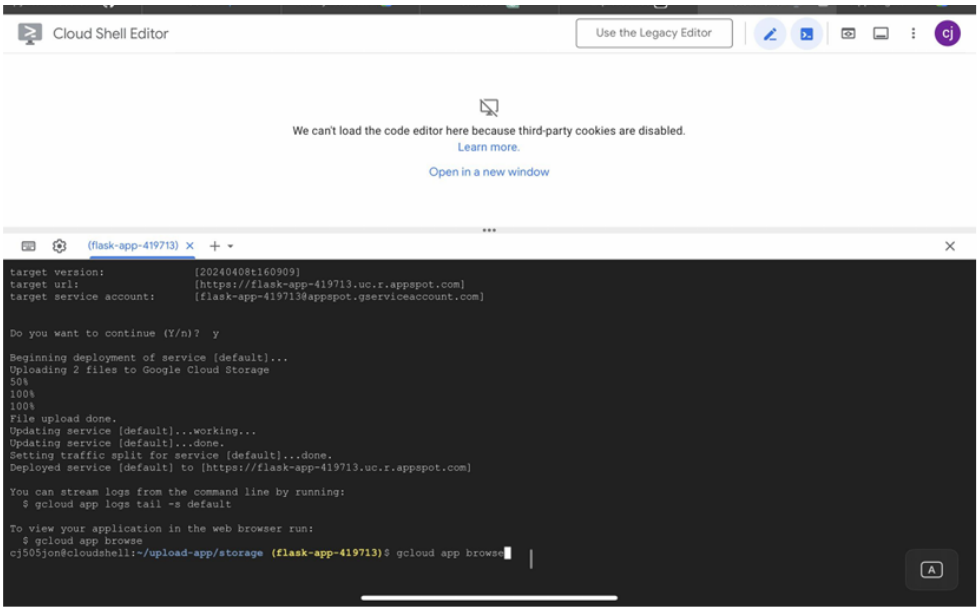
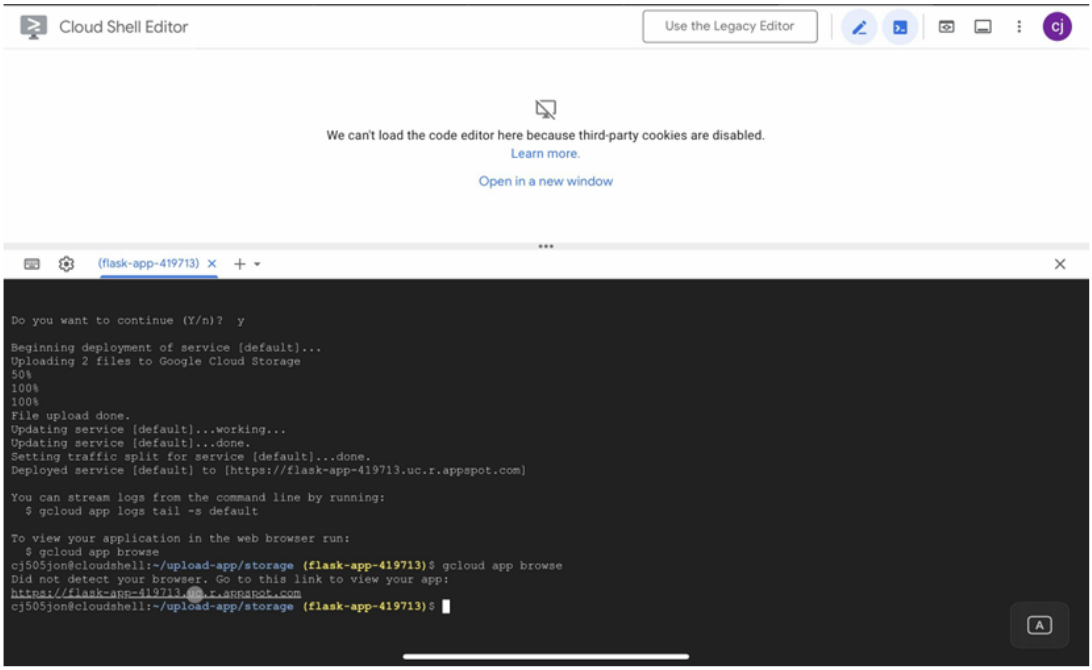
cj505jon@cloudshell:~/upload-app/storage (flask-app-419713)$ ls
app.yaml main.py requirements.txt templates uploads
cj505jon@cloudshell:~/upload-app/storage (flask-app-419713)$ gcloud app deploy
Services to deploy:
descriptor: [/home/cj505jon/upload-app/storage/app.yaml]
source: [/home/cj505jon/upload-app/storage]
target project: [flask-app-419713]
target service: [default]
target version: [20240408t160909]
target url: [https://flask-app-419713.uc.r.appspot.com]
target service account: [flask-app-419713@appspot.gserviceaccount.com]
Do you want to continue (Y/n)? y
Beginning deployment of service [default]...
Uploading 2 files to Google Cloud Storage
50%
100%
100%
File upload done.
Updating service [default]...working..



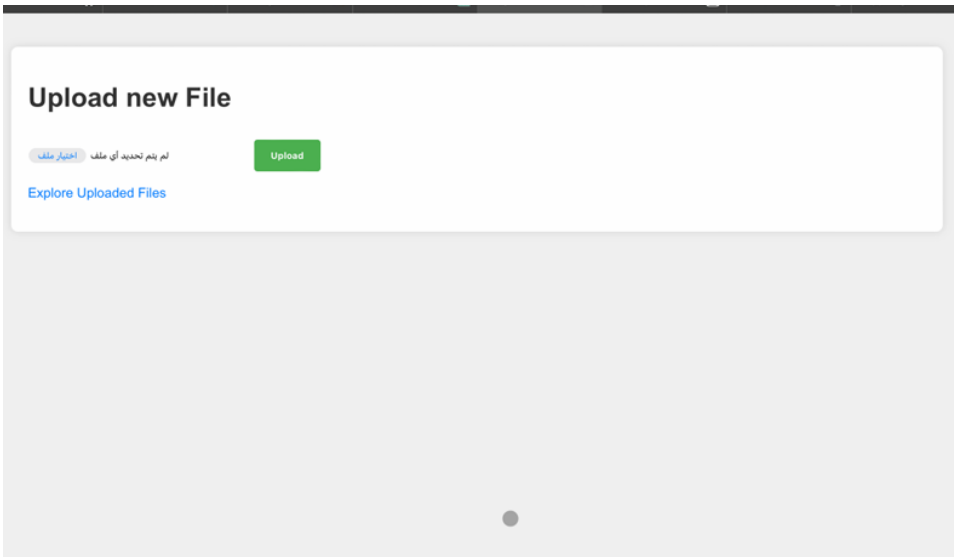
cmd: gcloud app browse



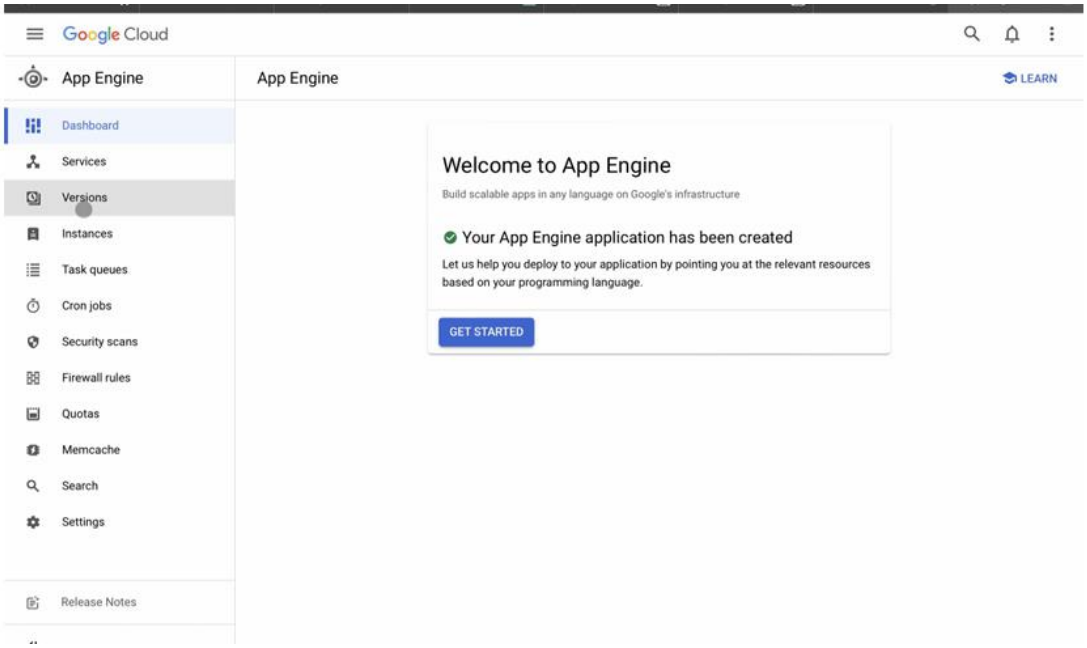
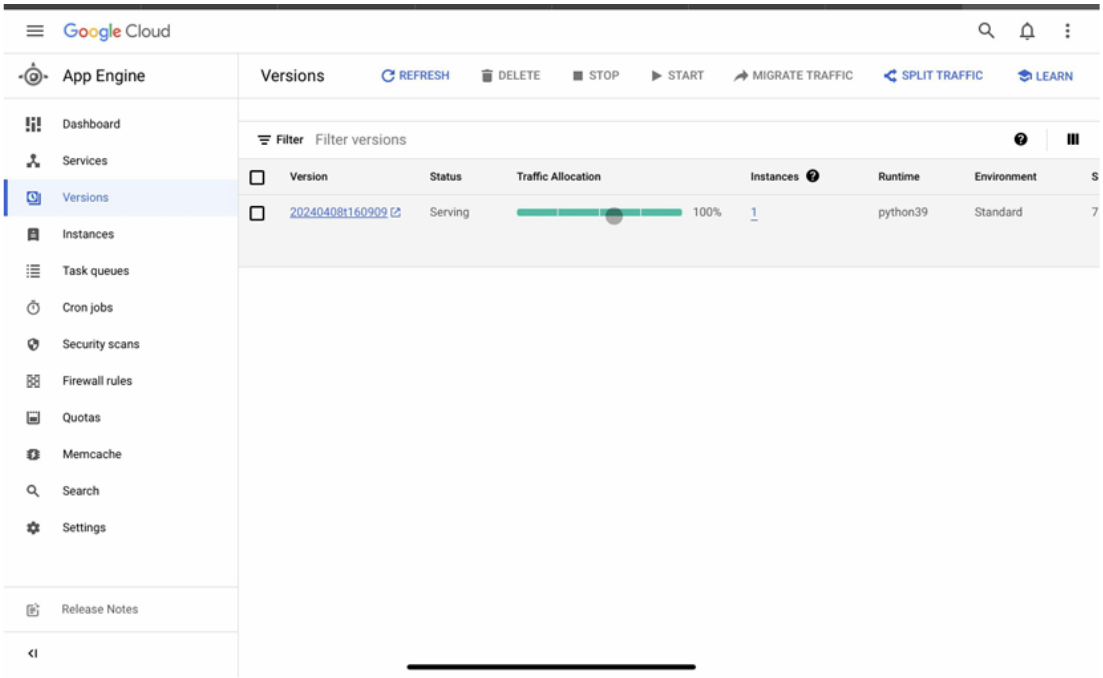
After that click on the link.



And now your app is deployed congratulations .



Go back to dashboard and select Versions.



Here’s your version.