

Google Cloud Platform project

Deploy your flask app on Google Cloud (App Engine)

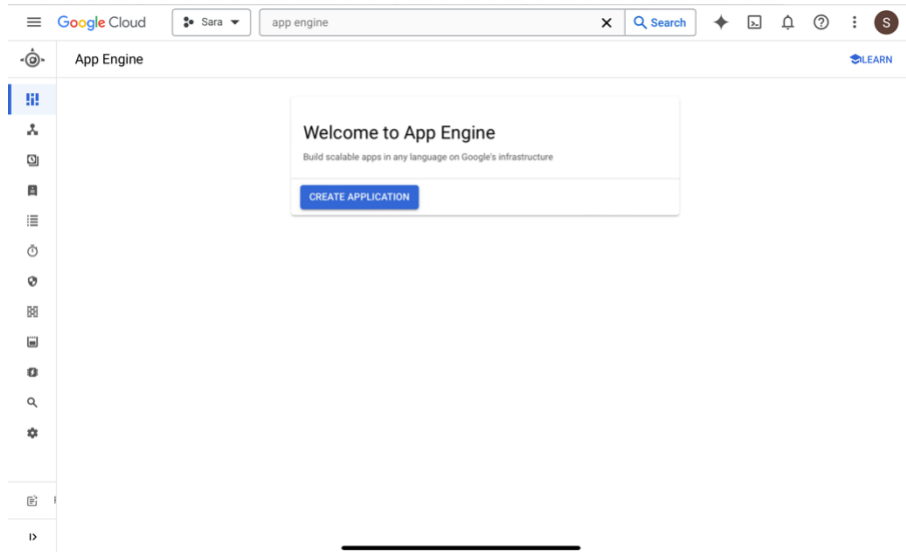
By Sarah Alwated

Guidelines:

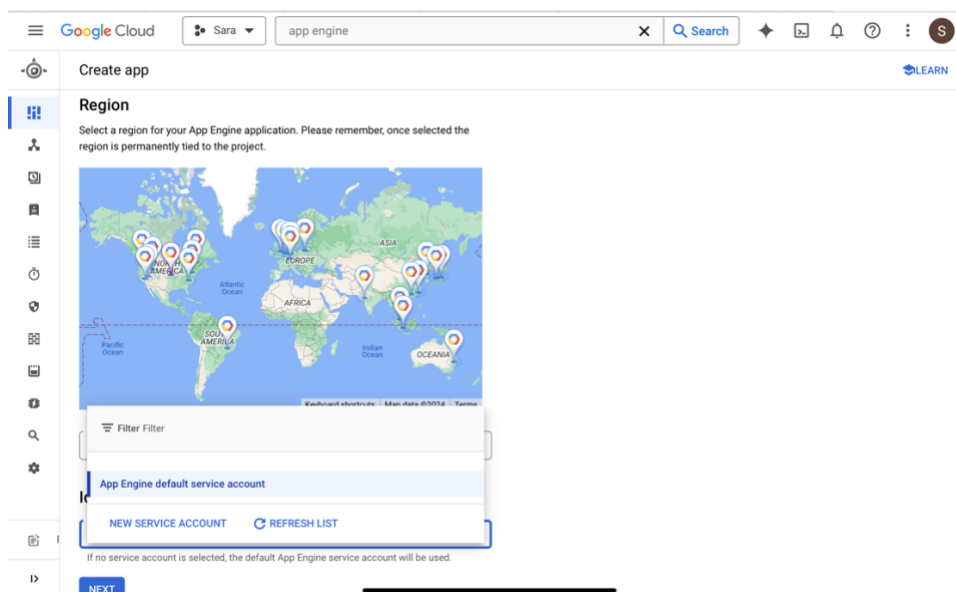
- First make your own GCP account
- Second after you make your account go to app engine and create your application
- Third deploying your flask app

App Engine settings:
Here you make your first application

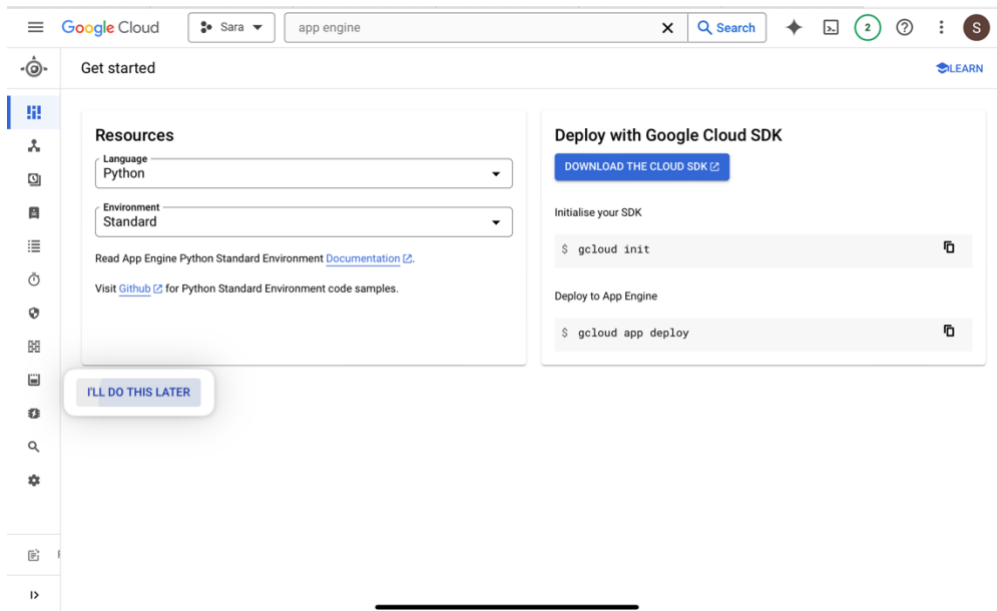
Click create application



The application settings and choose API access

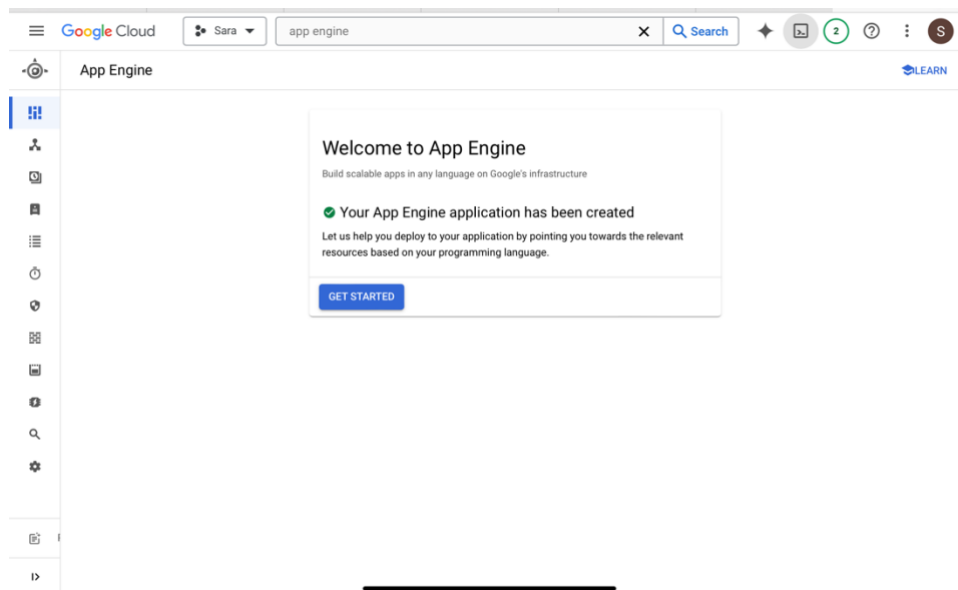


After next

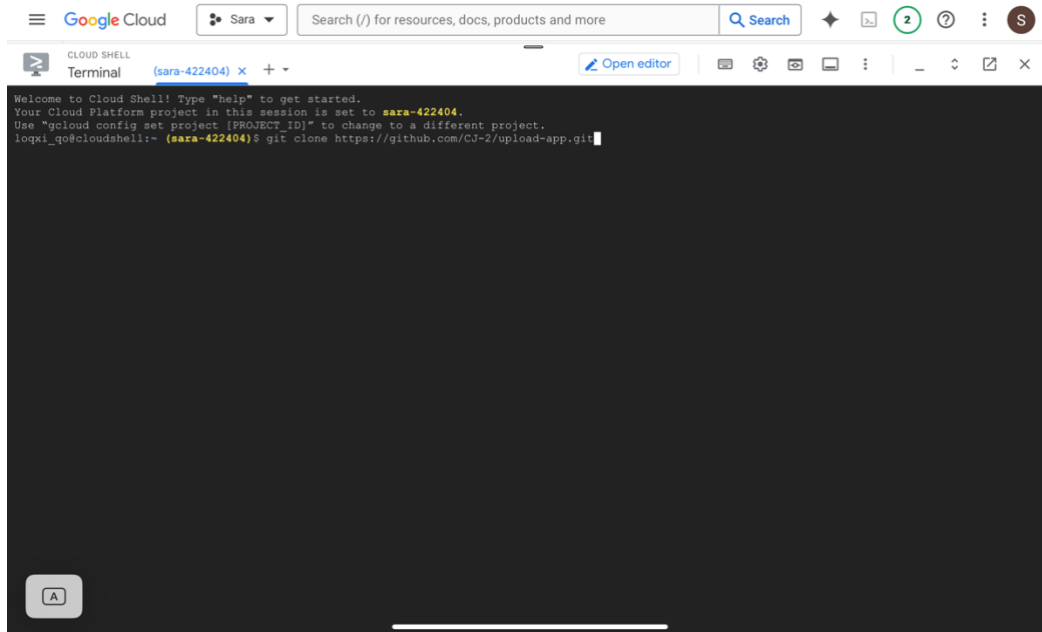


Cloud shell:

After we create our first application



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

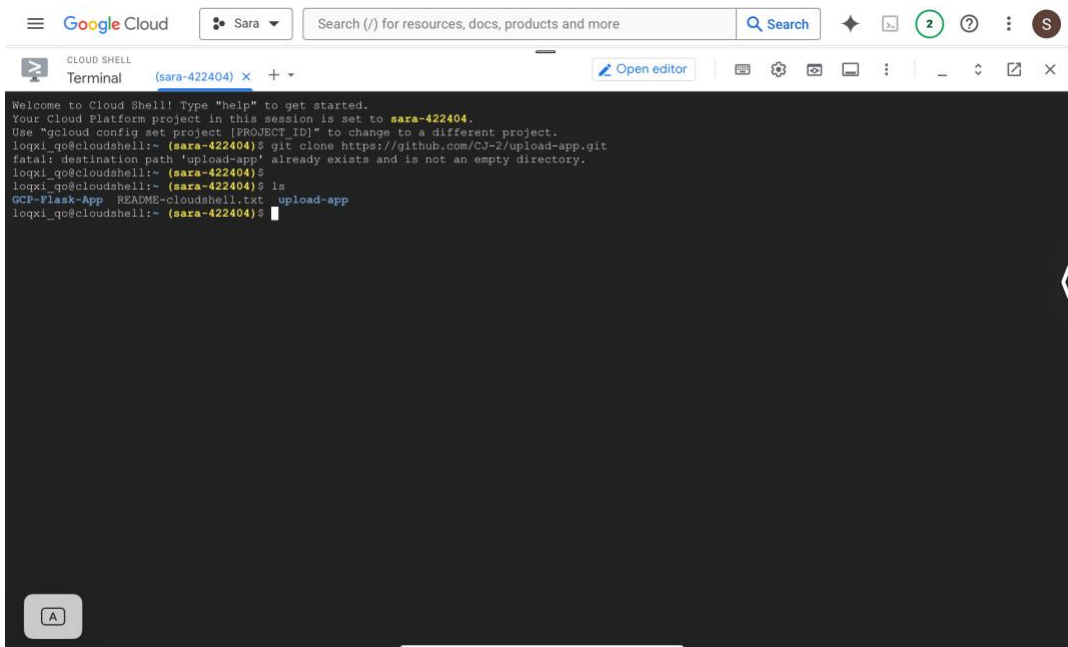


```
Google Cloud
Sara
Search (/) for resources, docs, products and more
Search

CLOUD SHELL
Terminal (sara-422404) x +
Open editor

Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to sara-422404.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
loqxi_qo@cloudshell:~ (sara-422404)$ git clone https://github.com/CJ-2/upload-app.git
```

cmd: `ls` and cmd: `cd upload-app`

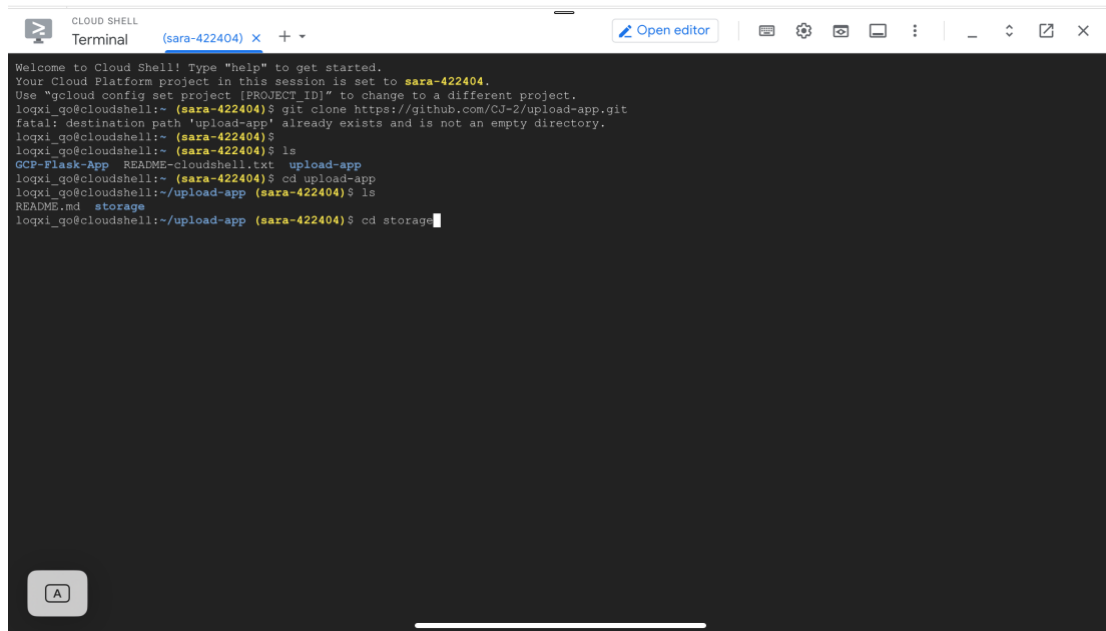


```
Google Cloud
Sara
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Search

CLOUD SHELL
Terminal (sara-422404) x +
Open editor

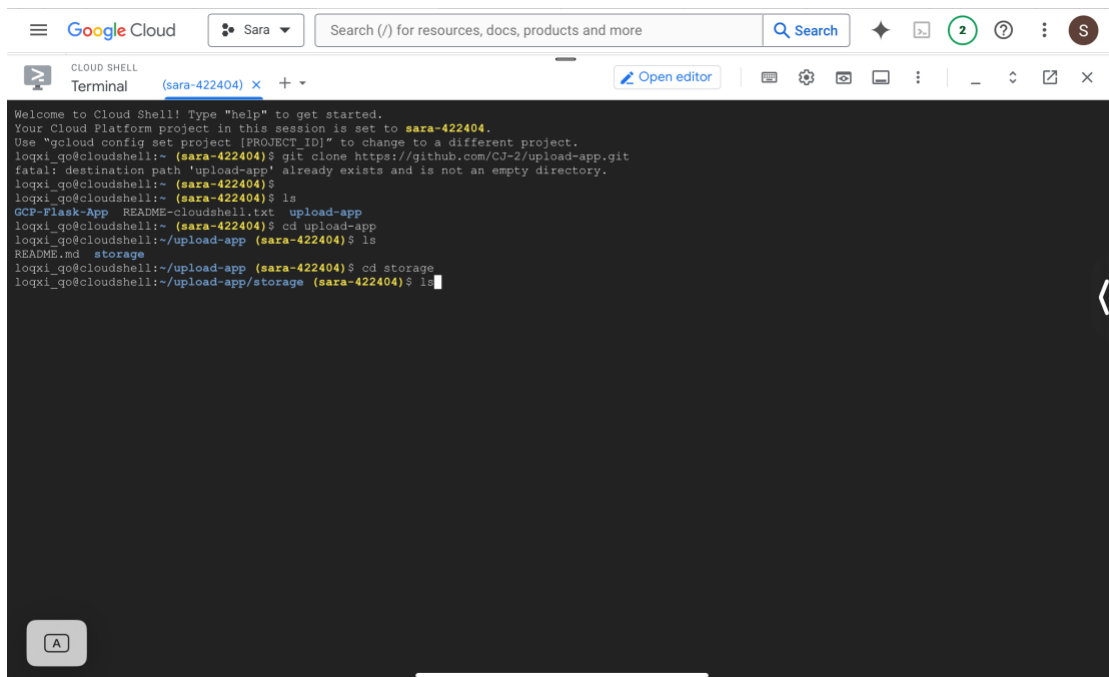
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to sara-422404.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
loqxi_qo@cloudshell:~ (sara-422404)$ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
loqxi_qo@cloudshell:~ (sara-422404)$ 
loqxi_qo@cloudshell:~ (sara-422404)$ ls
GCP-Flask-App  README-cloudshell.txt  upload-app
loqxi_qo@cloudshell:~ (sara-422404)$
```

cmd: **ls** and cmd: **cd storage**



```
WELCOME TO CLOUD SHELL! Type "help" to get started.
Your Cloud Platform project in this session is set to sara-422404.
Use "gcloud config set project [PROJECT ID]" to change to a different project.
loqxi_qo@cloudshell:~ (sara-422404)$ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
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loqxi_qo@cloudshell:~ (sara-422404)$ ls
GCP-Flask-App  README-cloudshell.txt  upload-app
loqxi_qo@cloudshell:~ (sara-422404)$ cd upload-app
loqxi_qo@cloudshell:~/upload-app (sara-422404)$ ls
README.md  storage
loqxi_qo@cloudshell:~/upload-app (sara-422404)$ cd storage
```

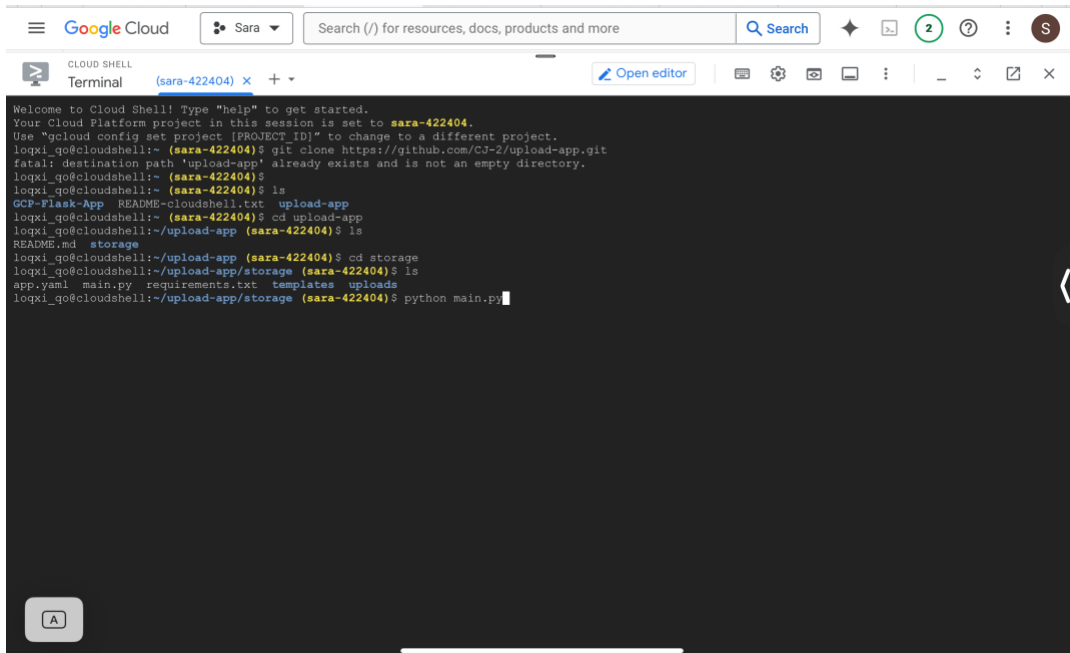
cmd: **ls**



```
Google Cloud  Sara  Search (/) for resources, docs, products and more  Search  2  ?  S

WELCOME TO CLOUD SHELL! Type "help" to get started.
Your Cloud Platform project in this session is set to sara-422404.
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GCP-Flask-App  README-cloudshell.txt  upload-app
loqxi_qo@cloudshell:~ (sara-422404)$ cd upload-app
loqxi_qo@cloudshell:~/upload-app (sara-422404)$ ls
README.md  storage
loqxi_qo@cloudshell:~/upload-app (sara-422404)$ cd storage
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404)$ ls
```

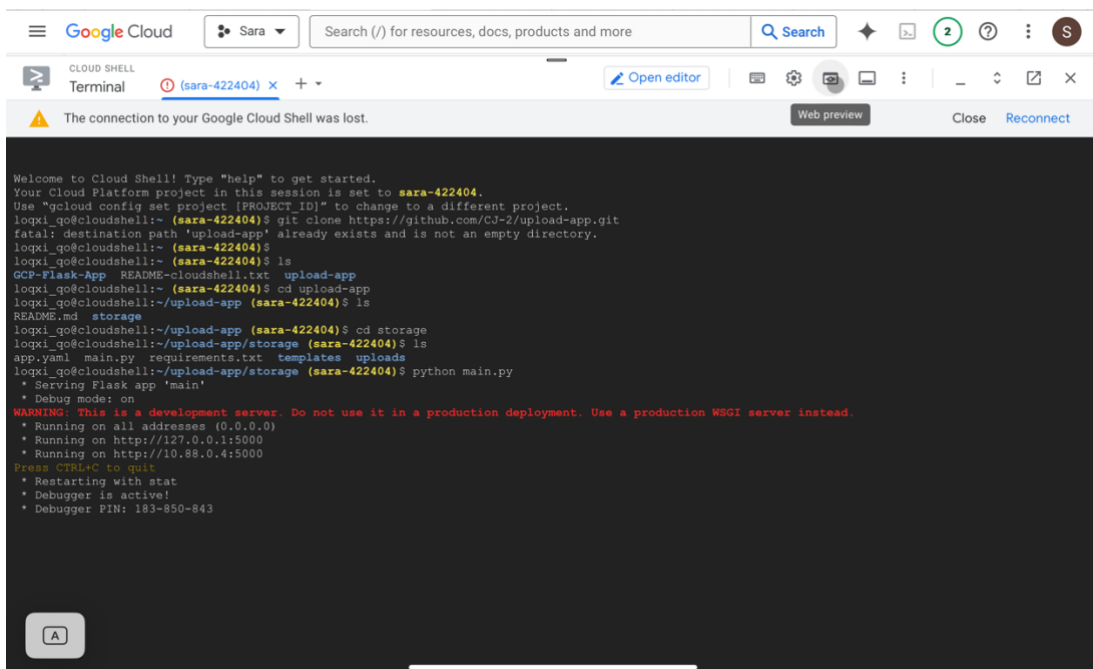
cmd: **python main.py**



The screenshot shows a Google Cloud Shell terminal window. The terminal output is as follows:

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to sara-422404.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
loqxi_qo@cloudshell:~ (sara-422404)$ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
loqxi_qo@cloudshell:~ (sara-422404)$ 
loqxi_qo@cloudshell:~ (sara-422404)$ ls
GCP-Flask-App  README-cloudshell.txt  upload-app
loqxi_qo@cloudshell:~ (sara-422404)$ cd upload-app
loqxi_qo@cloudshell:~/upload-app (sara-422404)$ ls
README.md  storage
loqxi_qo@cloudshell:~/upload-app (sara-422404)$ cd storage
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404)$ ls
app.yaml  main.py  requirements.txt  templates  uploads
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404)$ python main.py
```

Click on web preview and follow the steps



The screenshot shows a Google Cloud Shell terminal window. The terminal output is as follows:

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to sara-422404.
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loqxi_qo@cloudshell:~ (sara-422404)$ ls
GCP-Flask-App  README-cloudshell.txt  upload-app
loqxi_qo@cloudshell:~ (sara-422404)$ cd upload-app
loqxi_qo@cloudshell:~/upload-app (sara-422404)$ ls
README.md  storage
loqxi_qo@cloudshell:~/upload-app (sara-422404)$ cd storage
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404)$ ls
app.yaml  main.py  requirements.txt  templates  uploads
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404)$ 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: 183-850-843
```

Google Cloud Sara Search (/) for resources, docs, products and more Search

CLOUD SHELL Terminal (sara-422404) x + Open editor

Terminal tabs have been recovered from an existing session. Preview on port 8080 Change port About web preview Dismiss

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to sara-422404.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
loqxi_qo@cloudshell:~ (sara-422404)$ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
loqxi_qo@cloudshell:~ (sara-422404)$ ls
loqxi_qo@cloudshell:~ (sara-422404)$
GCP-Flask-App README-cloudshell.txt upload-app
loqxi_qo@cloudshell:~ (sara-422404)$ cd upload-app
loqxi_qo@cloudshell:~/upload-app (sara-422404)$ ls
README.md storage
loqxi_qo@cloudshell:~/upload-app (sara-422404)$ cd storage
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404)$ ls
app.yaml main.py requirements.txt templates uploads
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404)$ 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
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Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 183-850-843
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Google Cloud Sara Search (/) for resources, docs, products and more Search

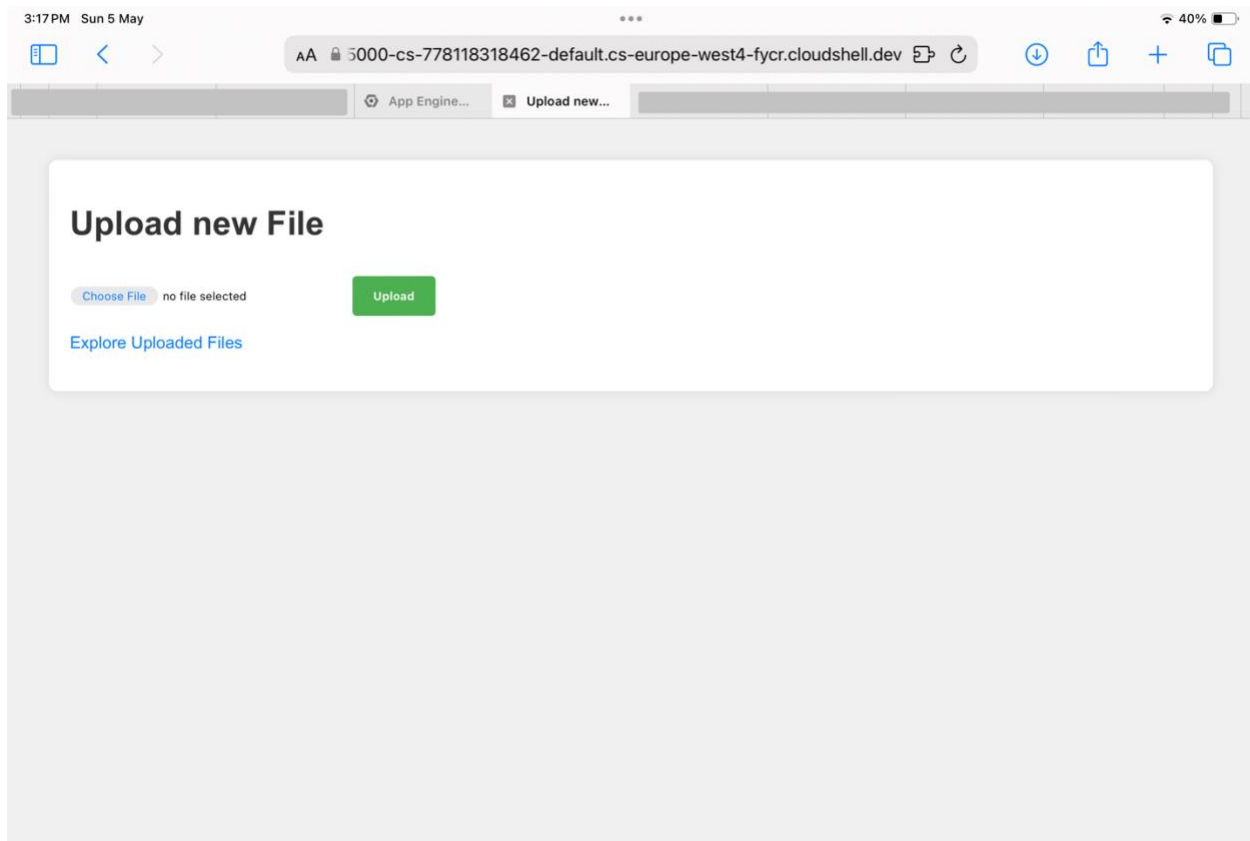
CLOUD SHELL Terminal (sara-422404) x + Open editor

Change Preview Port

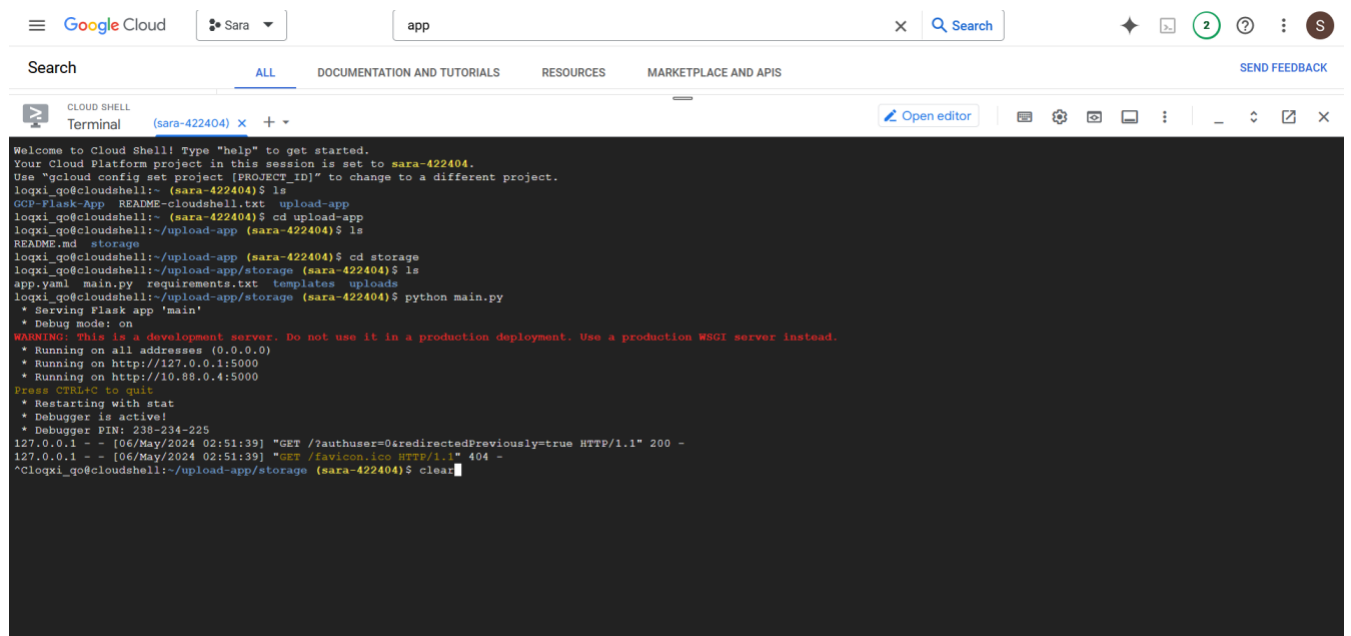
Port number* 5000

CANCEL CHANGE AND PREVIEW

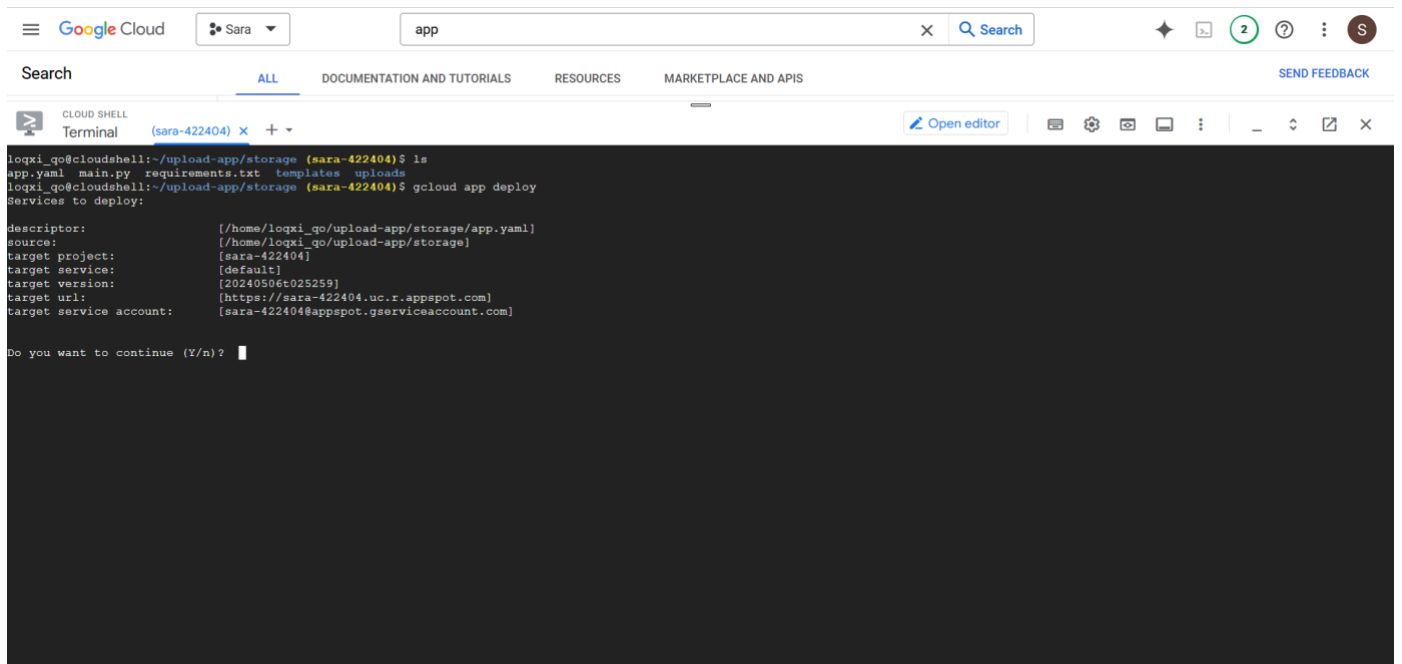
```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to sara-422404.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
loqxi_qo@cloudshell:~ (sara-422404)$ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
loqxi_qo@cloudshell:~ (sara-422404)$ ls
loqxi_qo@cloudshell:~ (sara-422404)$
GCP-Flask-App README-cloudshell.txt upload-app
loqxi_qo@cloudshell:~ (sara-422404)$ cd upload-app
loqxi_qo@cloudshell:~/upload-app (sara-422404)$ ls
README.md storage
loqxi_qo@cloudshell:~/upload-app (sara-422404)$ cd st
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404)$ ls
app.yaml main.py requirements.txt templates uploa
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404)$
* Serving Flask app 'main'
* Debug mode: on
WARNING: This is a development server. Do not use it
* 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: 183-850-843
```



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



cmd: **ls** and cmd: **gcloud app deploy**



The screenshot shows the Google Cloud Cloud Shell interface. The terminal window is titled 'Terminal (sara-422404)'. The user has executed the following commands:

```
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404)$ ls
app.yaml  main.py  requirements.txt  templates  uploads
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404)$ gcloud app deploy
```

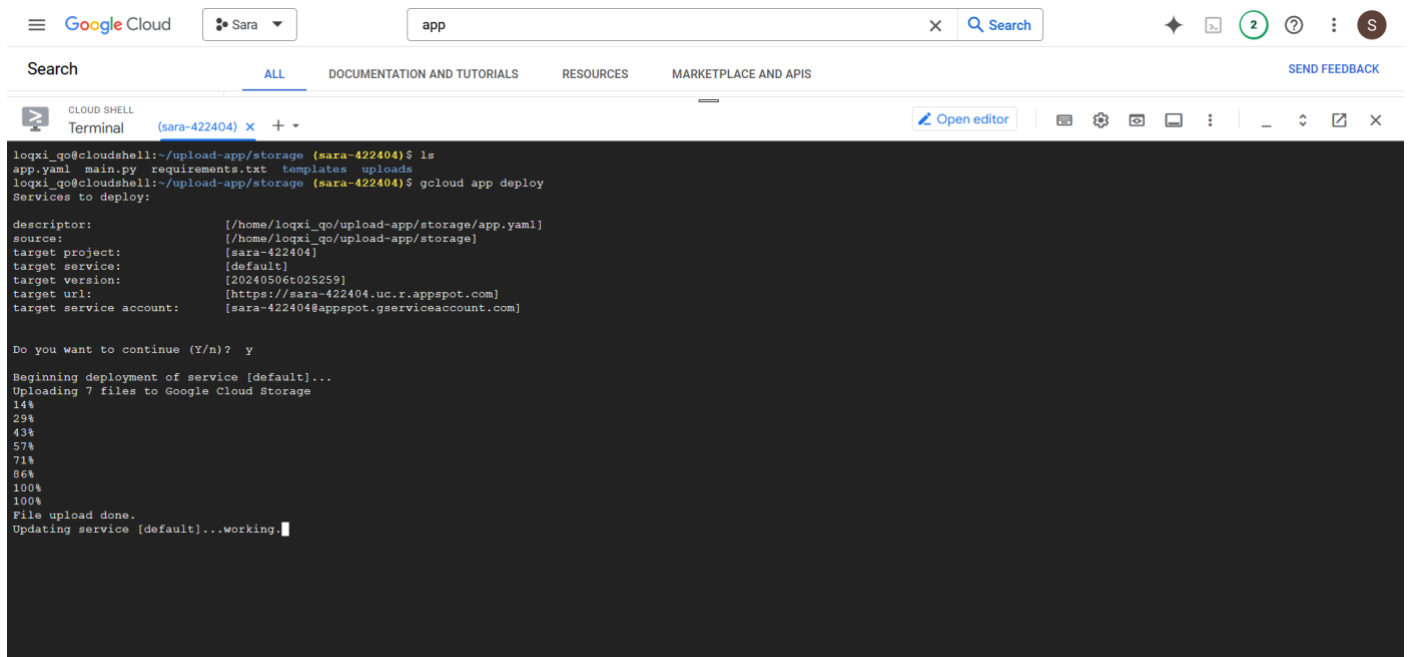
The output shows the services to be deployed and the deployment configuration:

```
Services to deploy:

descriptor:      [/home/loqxi_qo/upload-app/storage/app.yaml]
source:          [/home/loqxi_qo/upload-app/storage]
target project:  [sara-422404]
target service:  [default]
target version:  [20240506e025259]
target url:      [https://sara-422404.uc.r.appspot.com]
target service account: [sara-422404@appspot.gserviceaccount.com]

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

cmd: **enter y**



The screenshot shows the continuation of the Google Cloud Cloud Shell terminal. The user has entered 'y' to confirm the deployment. The output shows the progress of the deployment:

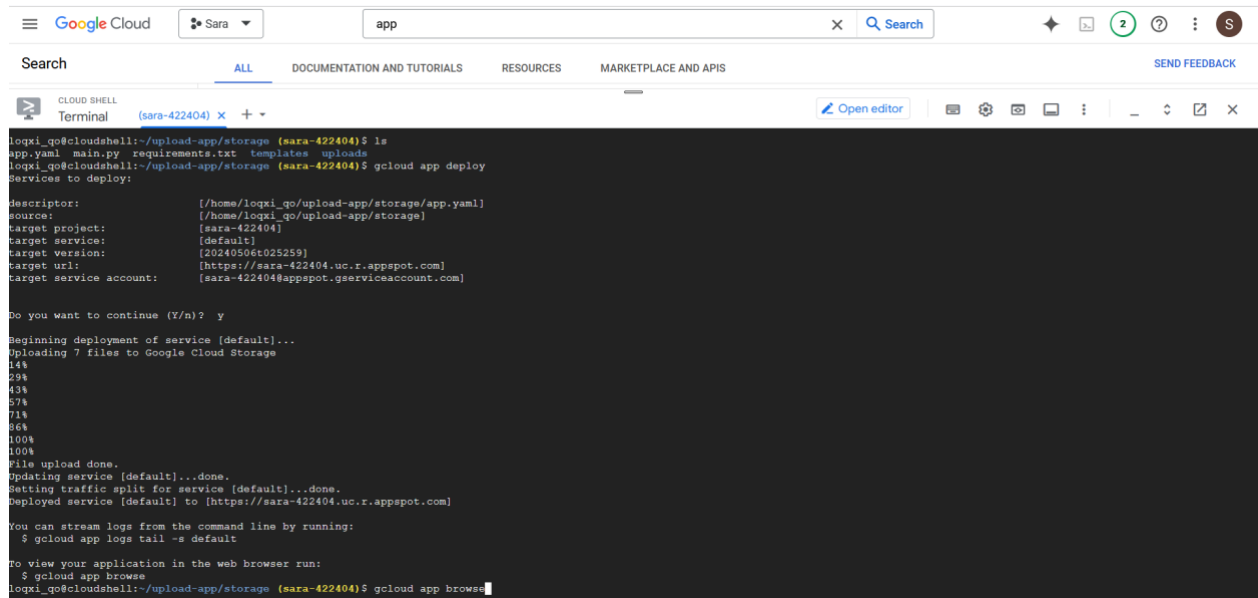
```
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404)$ ls
app.yaml  main.py  requirements.txt  templates  uploads
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404)$ gcloud app deploy
Services to deploy:

descriptor:      [/home/loqxi_qo/upload-app/storage/app.yaml]
source:          [/home/loqxi_qo/upload-app/storage]
target project:  [sara-422404]
target service:  [default]
target version:  [20240506e025259]
target url:      [https://sara-422404.uc.r.appspot.com]
target service account: [sara-422404@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%
File upload done.
Updating service [default]...working.
```

cmd: **gcloud app browse**



```
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404) $ ls
app.yaml main.py requirements.txt templates uploads
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404) $ gcloud app deploy
Services to deploy:

descriptor:      [/home/loqxi_qo/upload-app/storage/app.yaml]
source:          [/home/loqxi_qo/upload-app/storage]
target project:  [sara-422404]
target service:  [default]
target version:  [20240506t025259]
target url:      [https://sara-422404.uc.r.appspot.com]
target service account: [sara-422404@appspot.gserviceaccount.com]

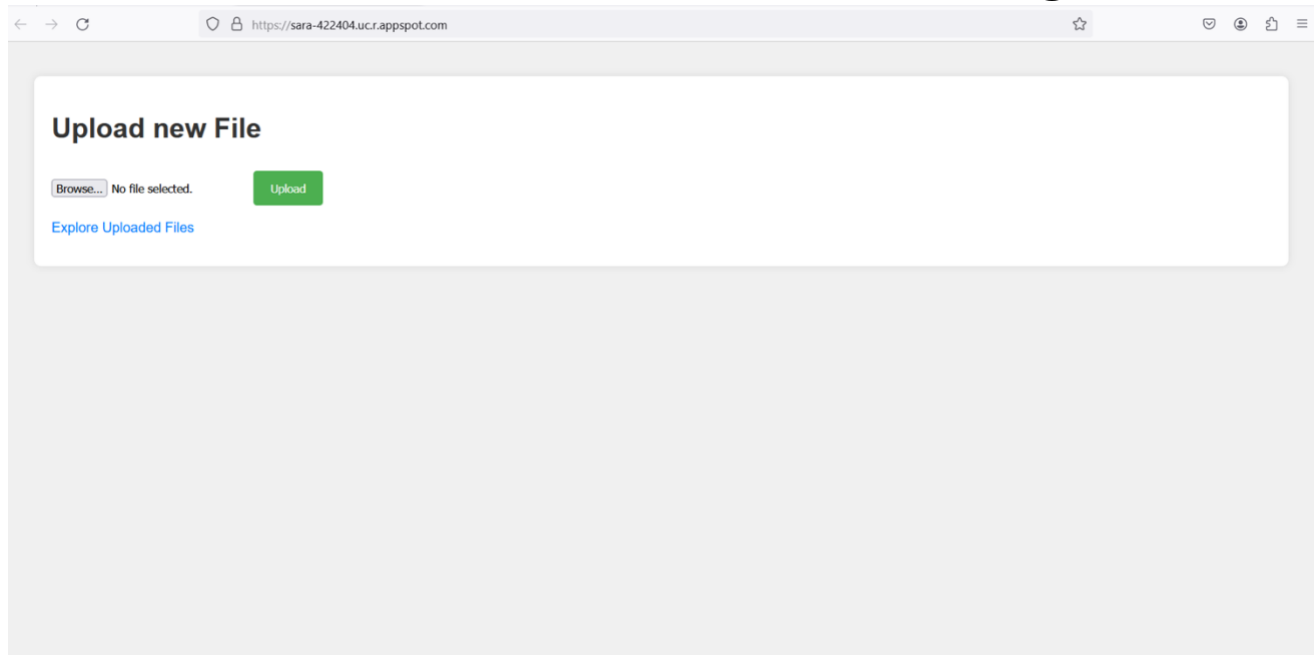
Do you want to continue (Y/n)? y
Beginning deployment of service [default]...
Uploading 7 files to Google Cloud Storage
14%
28%
43%
57%
71%
86%
100%
File upload done.
Updating service [default]...done.
Setting traffic split for service [default]...done.
Deployed service [default] to [https://sara-422404.uc.r.appspot.com]

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

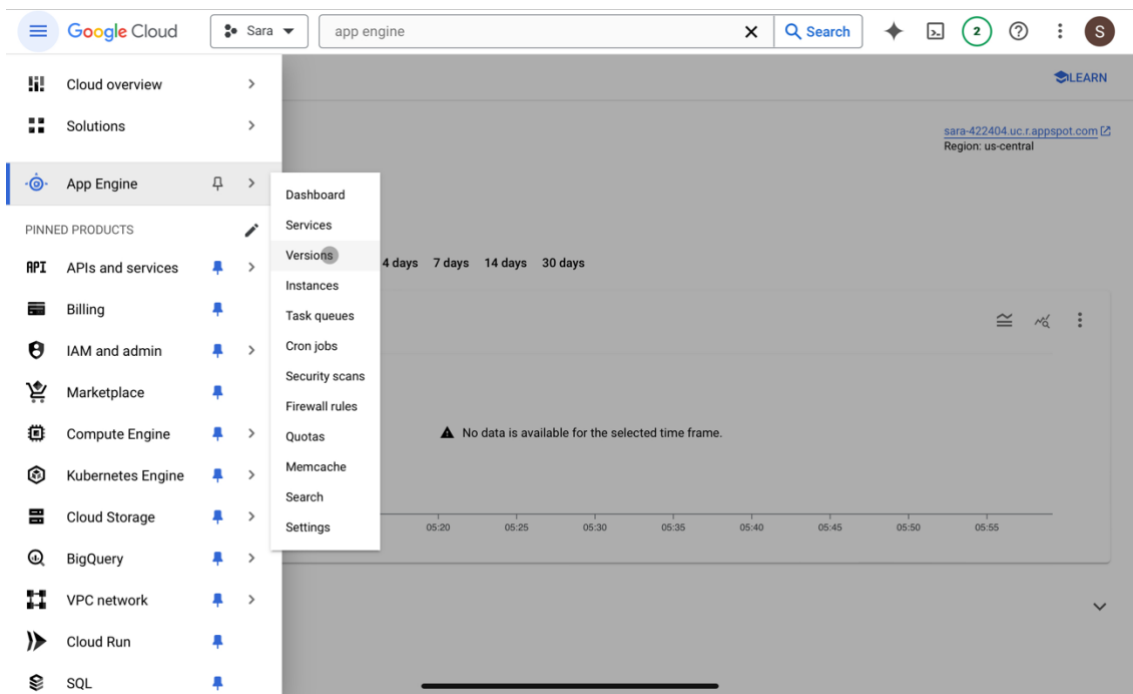
To view your application in the web browser run:
$ gcloud app browse
loqxi_qo@cloudshell:~/upload-app/storage (sara-422404) $ gcloud app browse
```

After that click on the link

And now your app is deployed congratulation 🤗



Go back to dashboard and select Versions



Here your version

