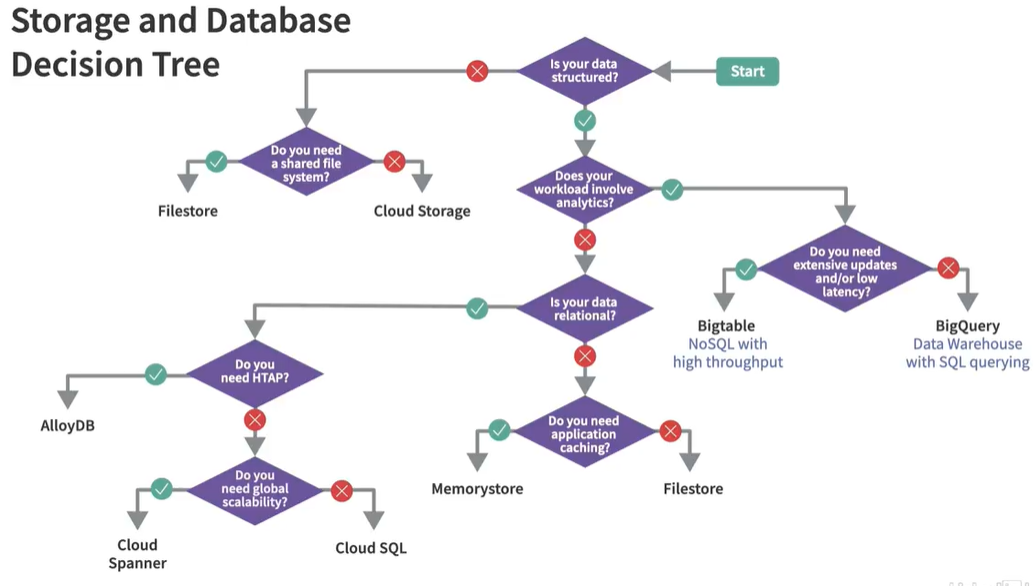
# Google Cloud

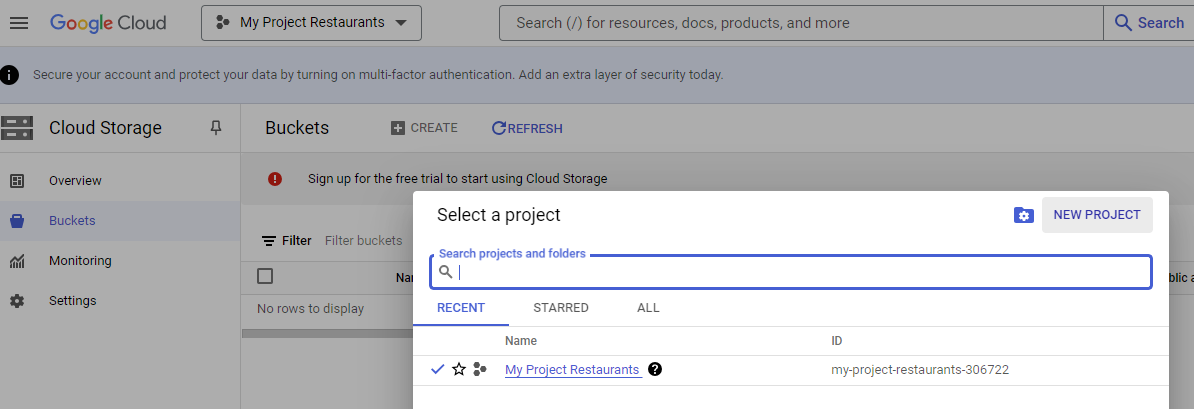
[Google Cloud storage and databases | LinkedIn Learning](https://www.linkedin.com/learning/google-cloud-data-and-storage-foundations-24099781/google-cloud-storage-and-databases?resume=false&u=91931370)

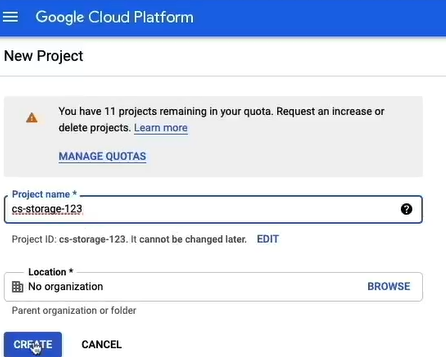


<https://console.cloud.google.com/storage>

## Example create new project: <https://console.cloud.google.com/storage/>

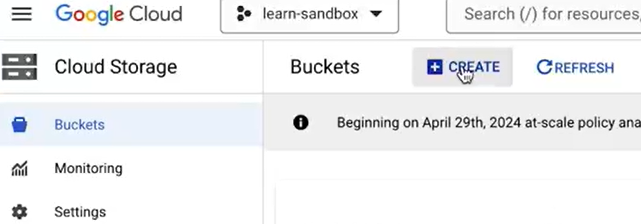
Any time you are creating any type of new resource in GCP you need to associate it with a project

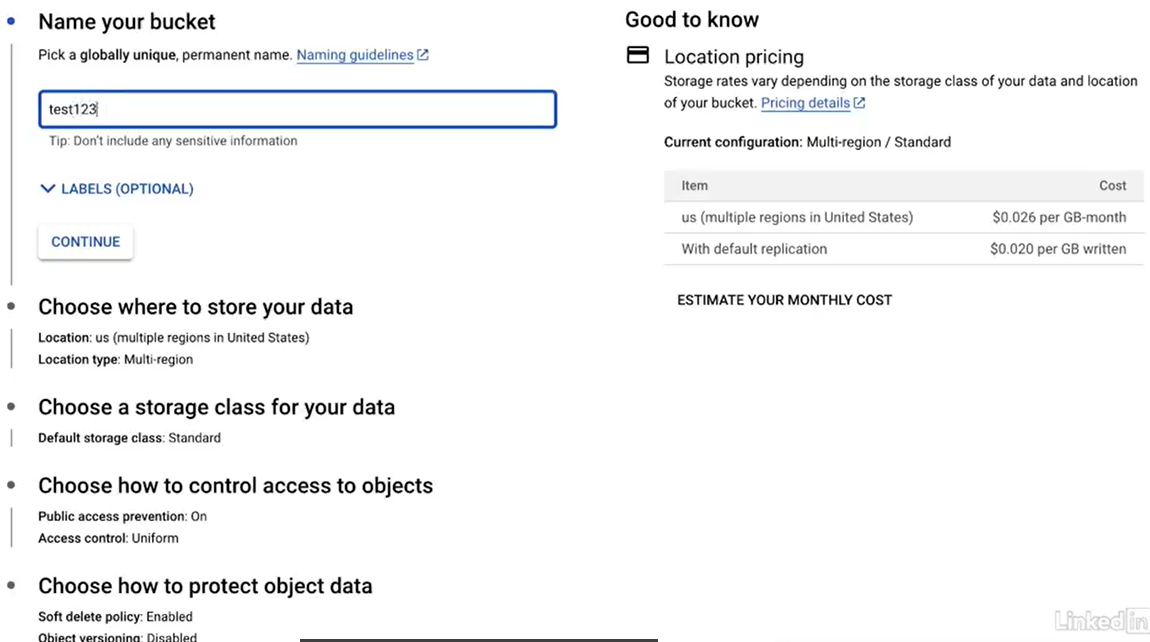


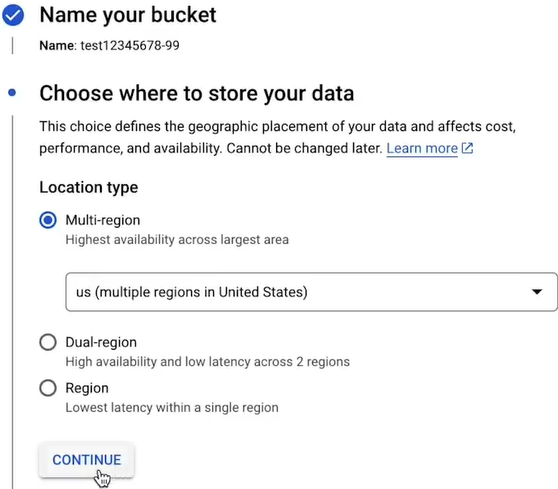


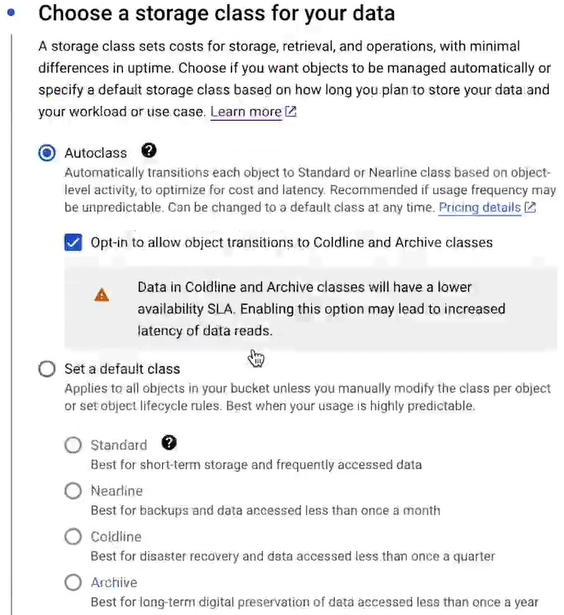
**Optimazing cloud storage costs with Autoclass**. If you do not know how long you are going to need the store data from a duration standpoint set Autoclass in the bucket.

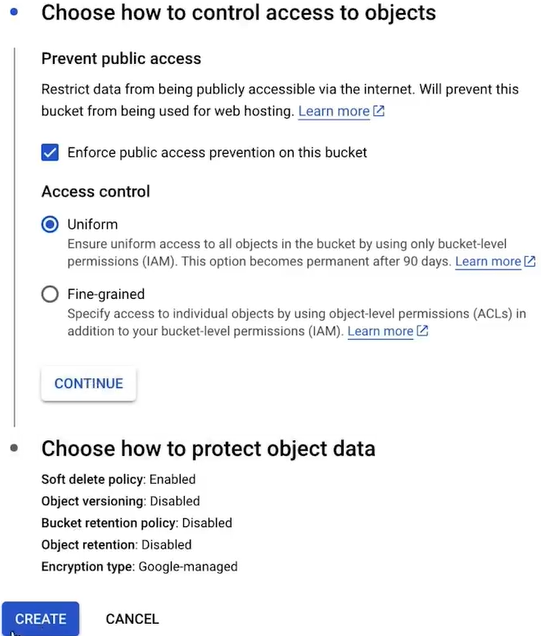
## Example creating a new bucket:

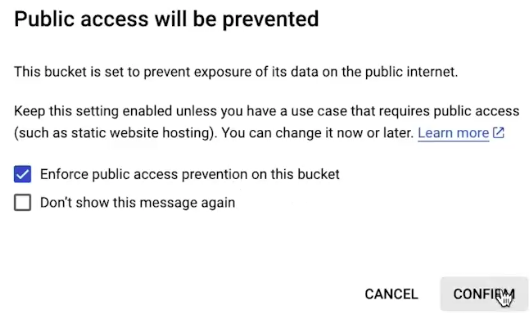




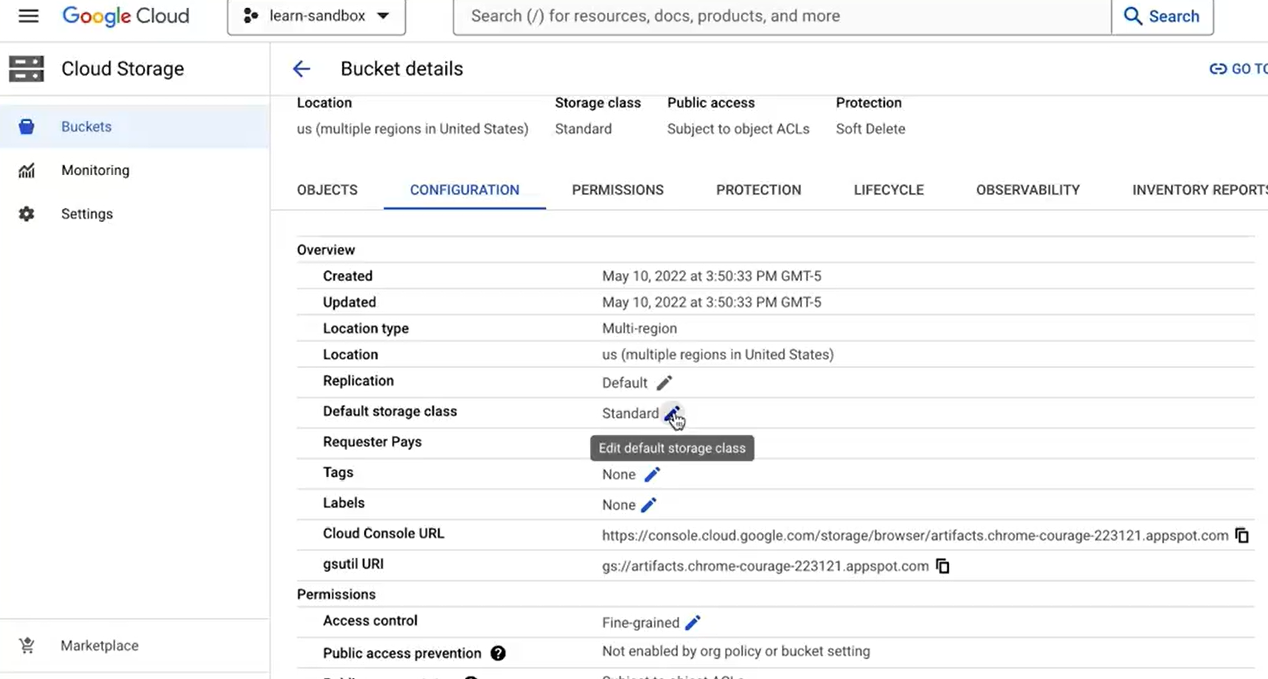




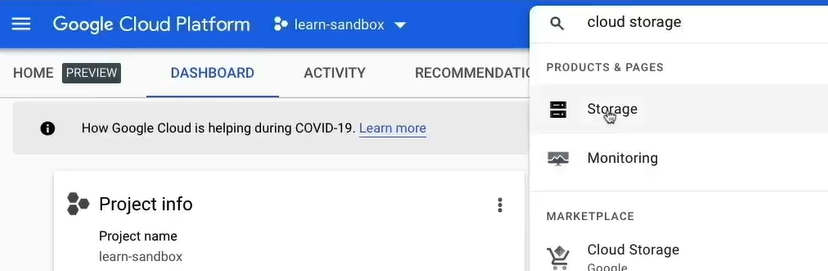


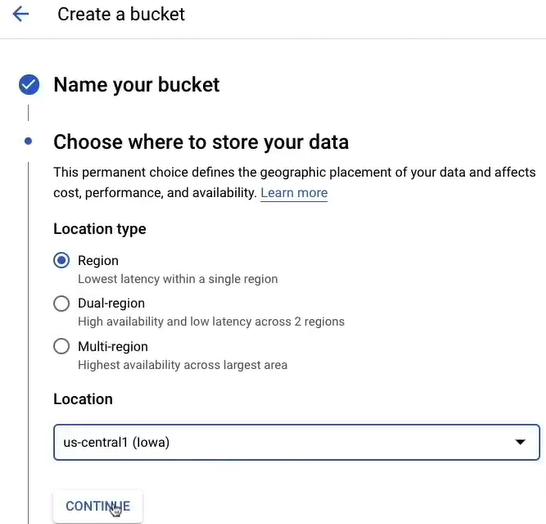
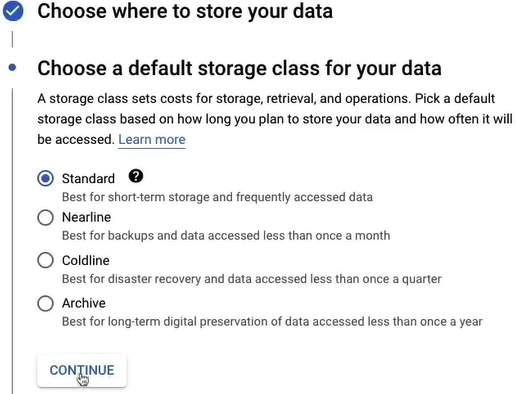


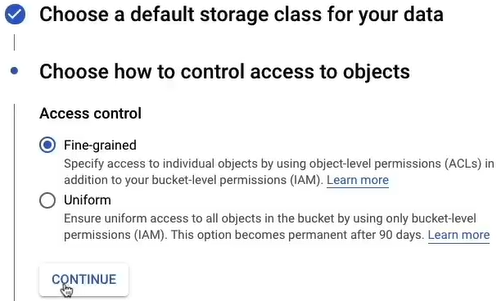
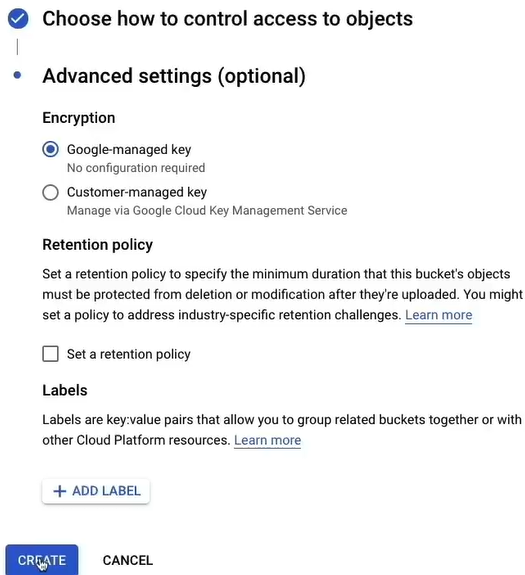
You can also enable **Autoclass** on existing buckets.



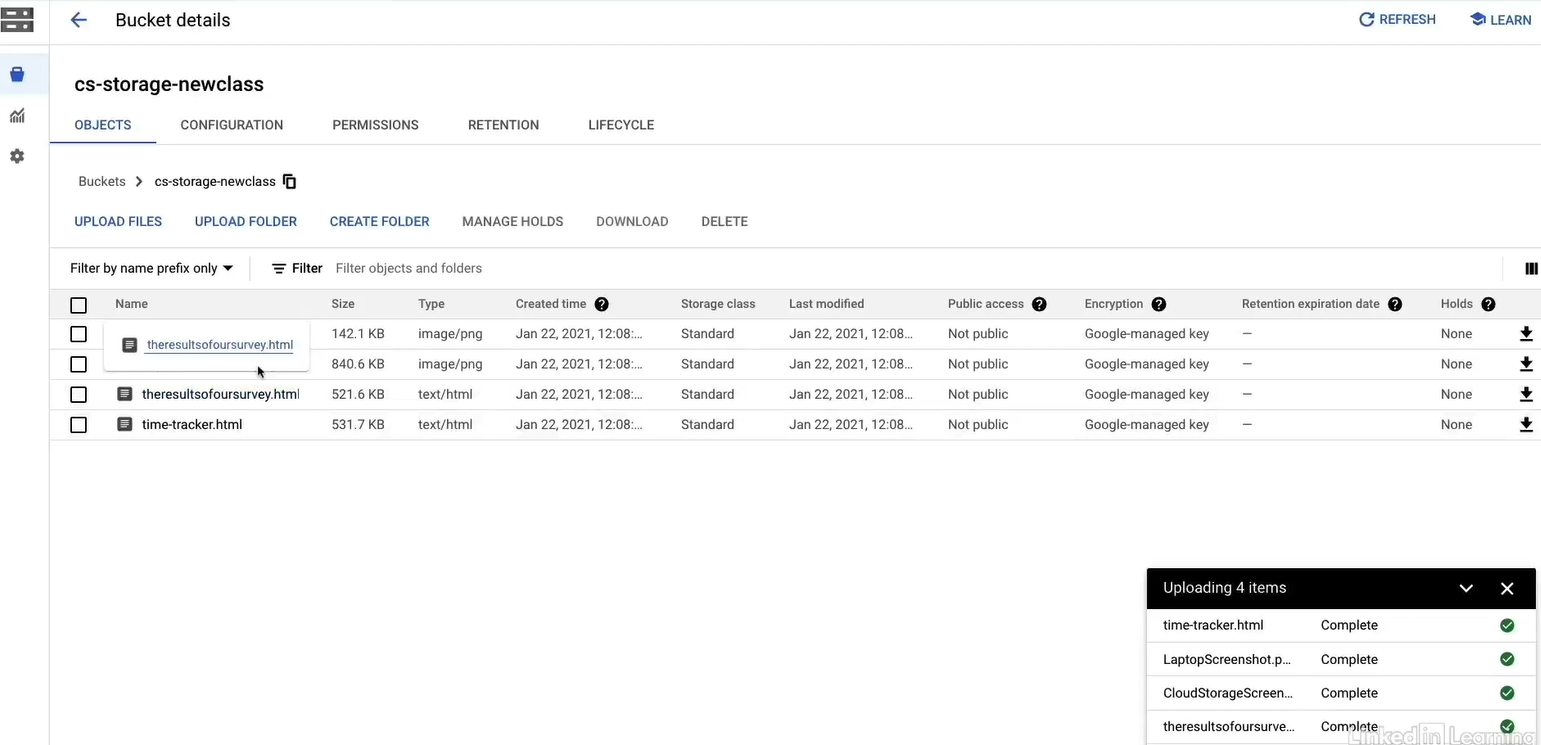
We are insterested in look for ways in which we can move data into cloud storage, so we will go to our project and search for the product that we want to use:

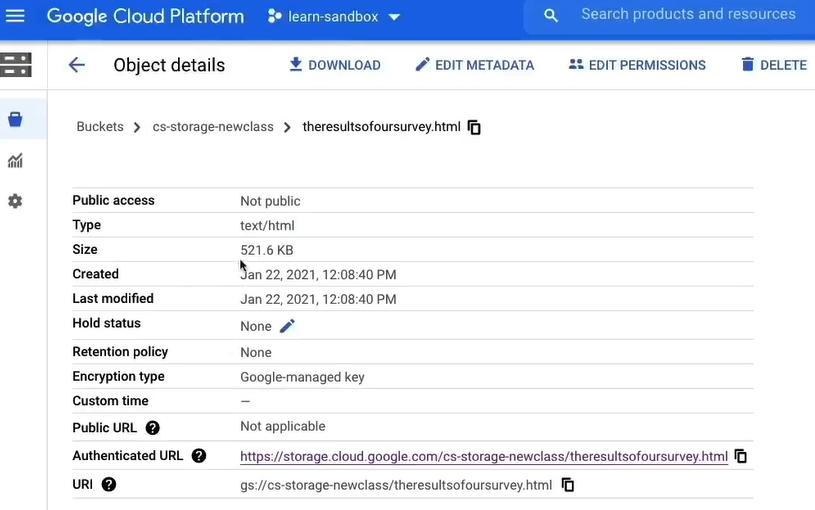


Now we create a bucket:  
 

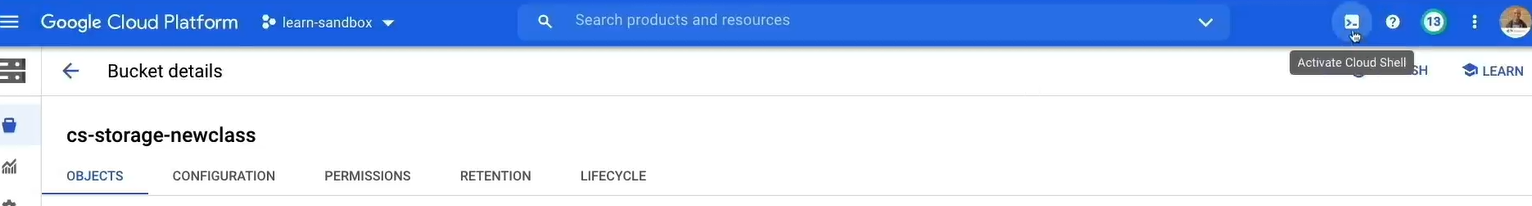
 

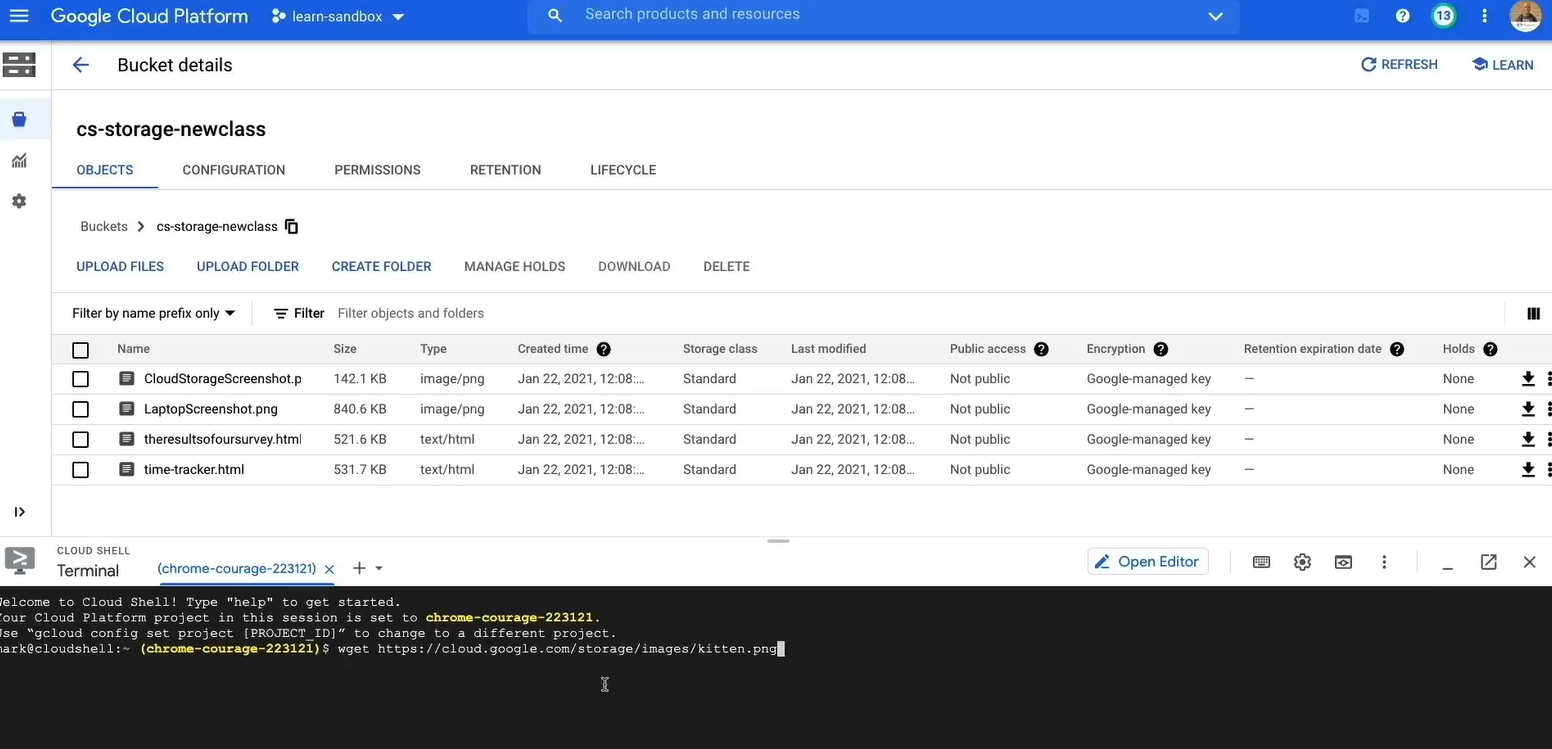
Then we set the data (we can drag and drop the files)

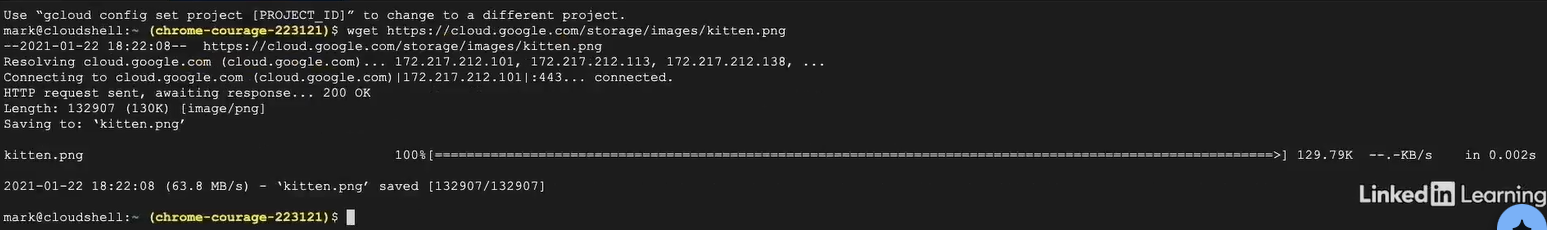




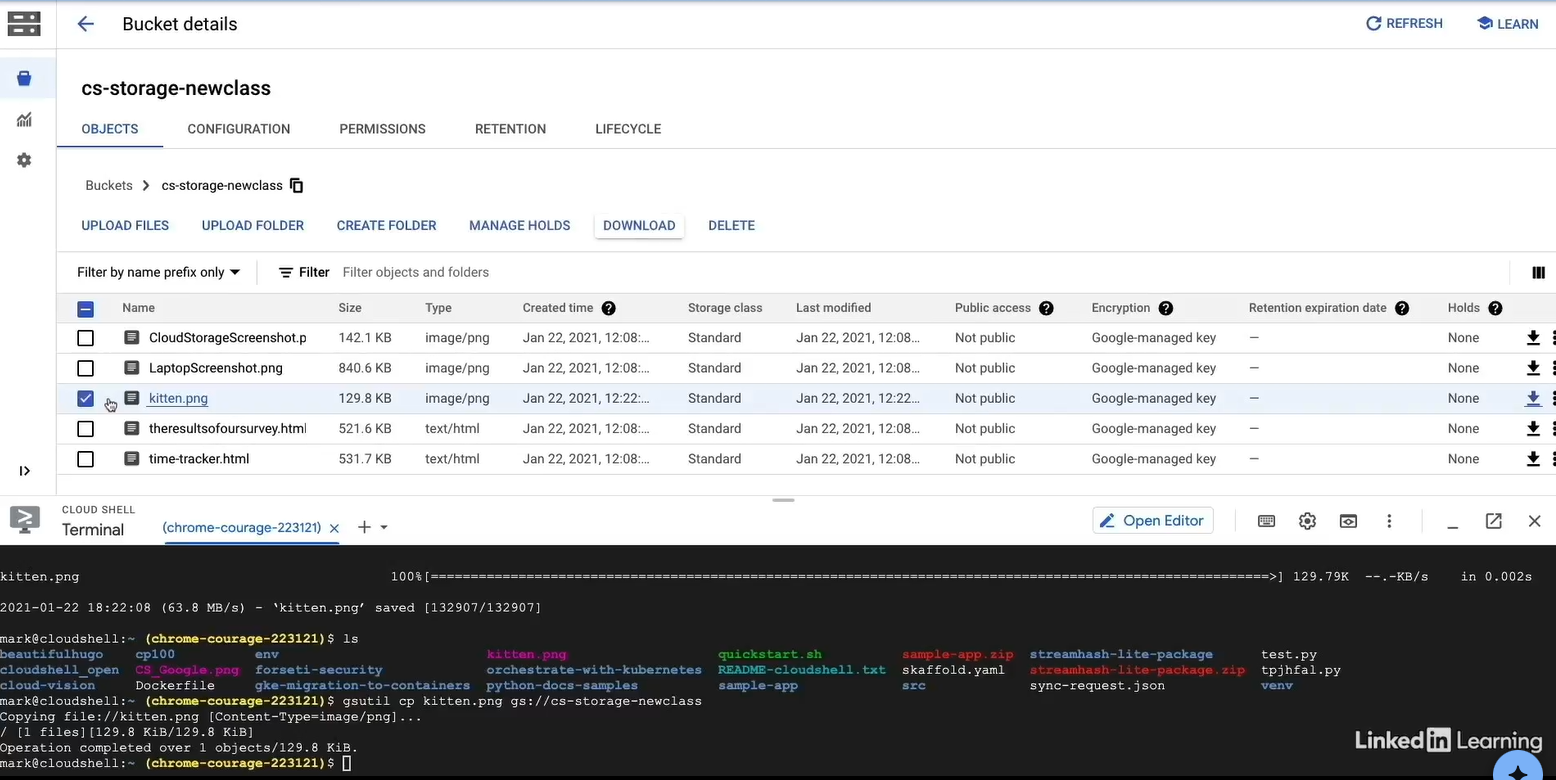
## Migrate data in Clous Storage using GS util (with Cloud Shell)

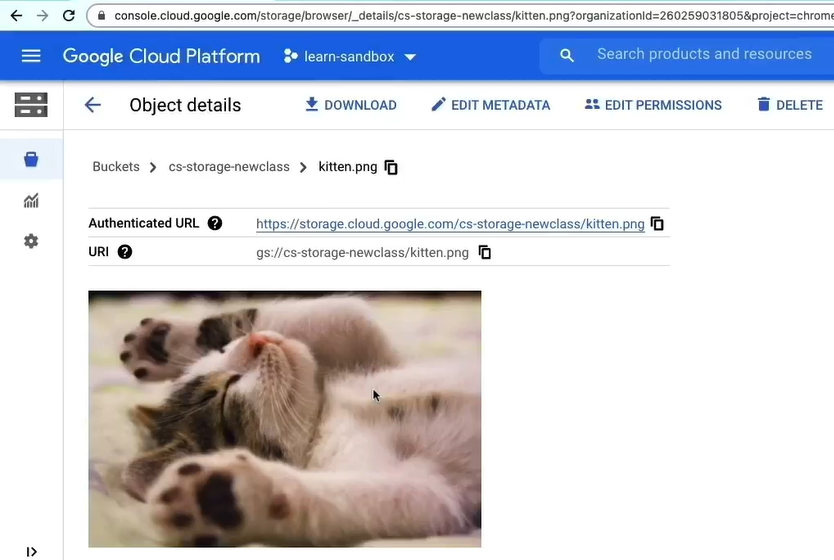


We will download an image form terminal:  


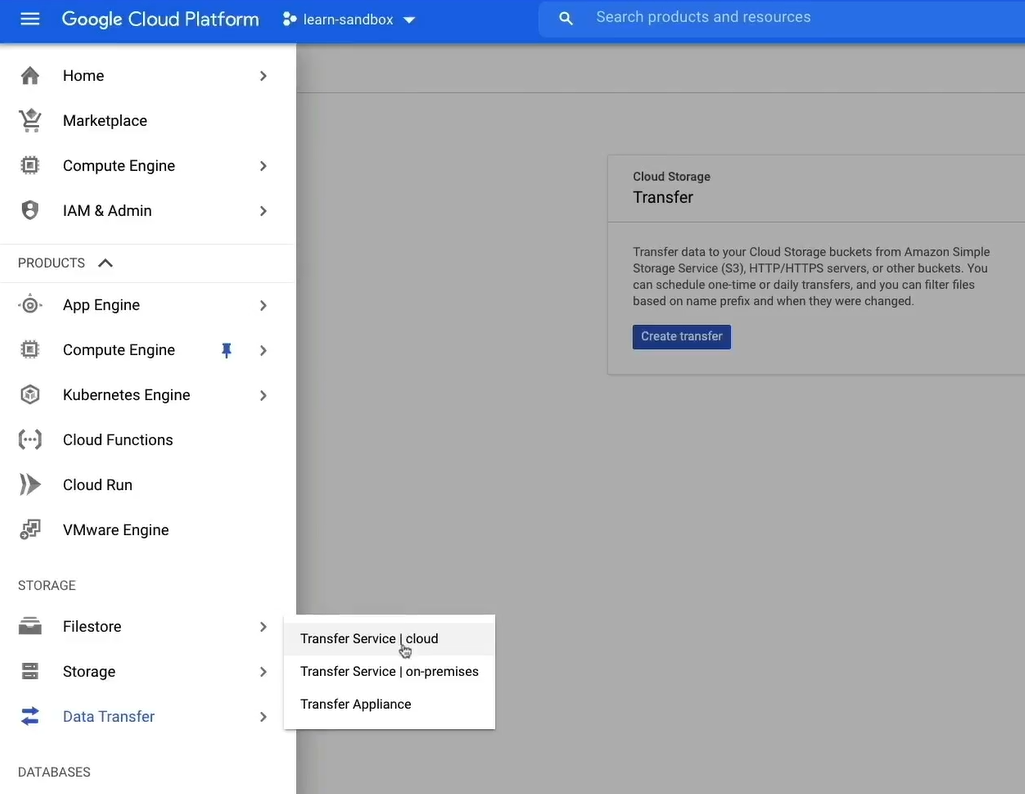


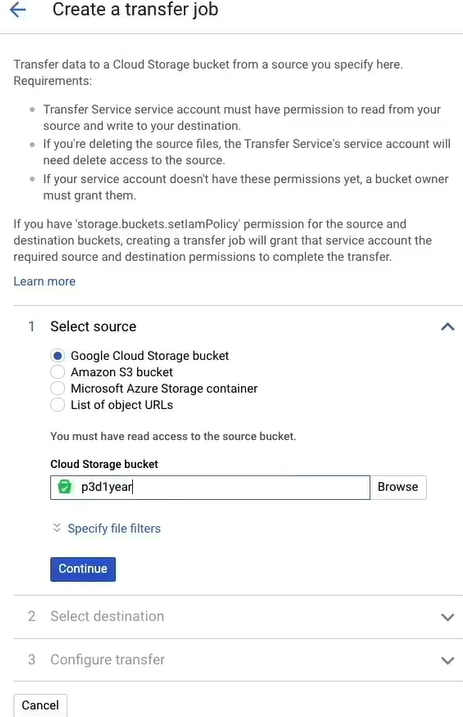
Then we can copy it to save in the bucket using the command:

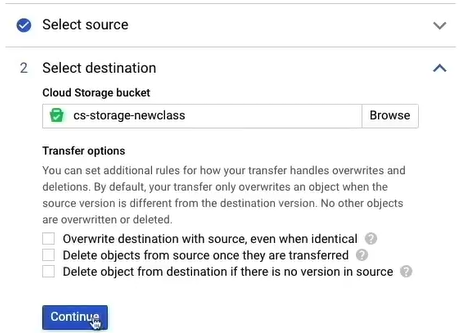
***gsutil cp kitten.png gs://cs-storage-newclass***

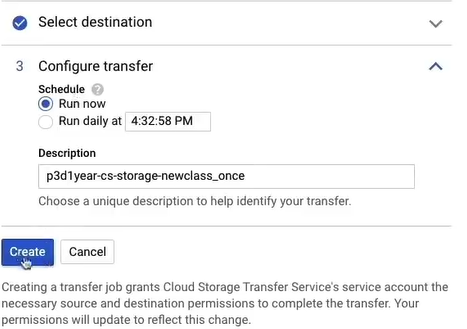


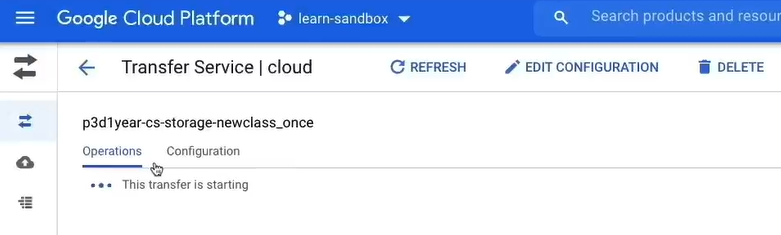
## Example Storage - Transfer Service

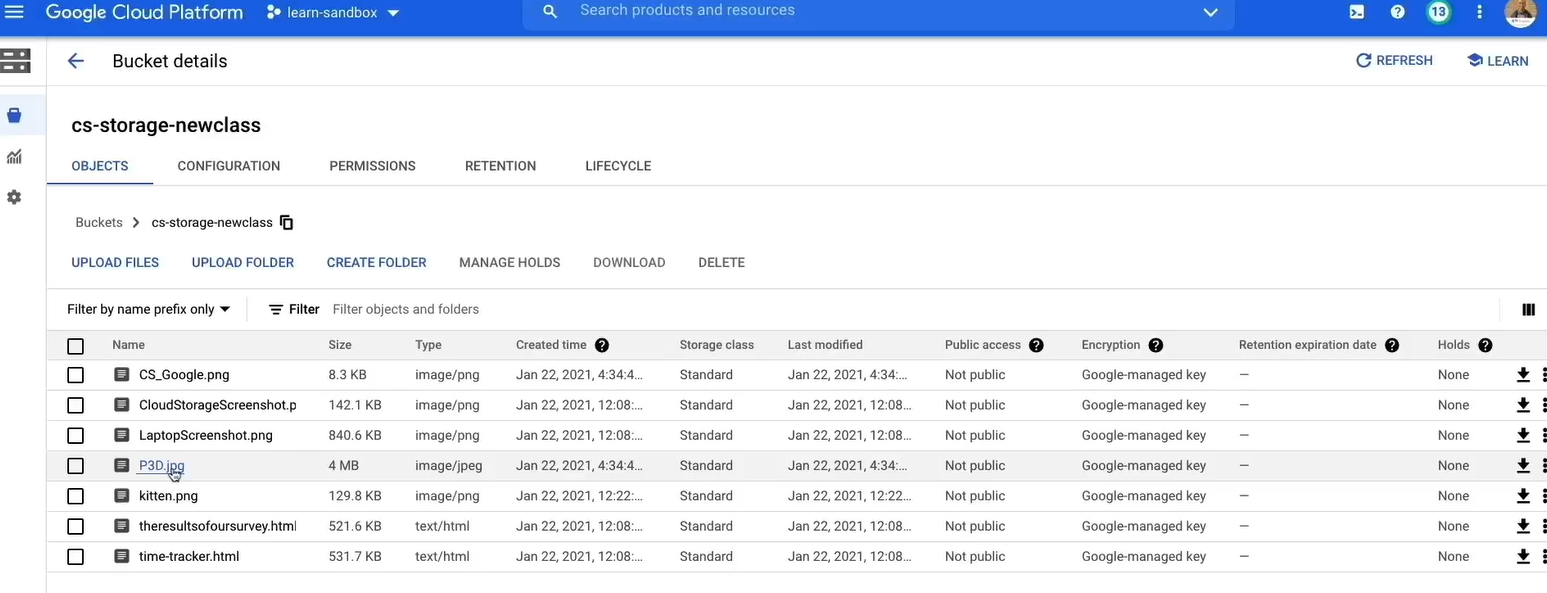












# Example deploy project

Youtube: [Google Cloud Platform Flask Python App Deployment](https://www.youtube.com/watch?v=F7R8dEin6ZY)

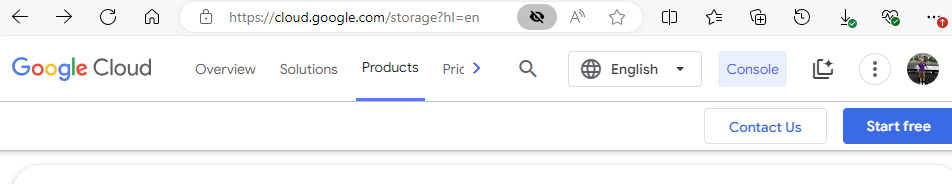
I walk through how to deploy Python Flask applications to Google Cloud Platform as an alternative to Heroku or AWS for PaaS.

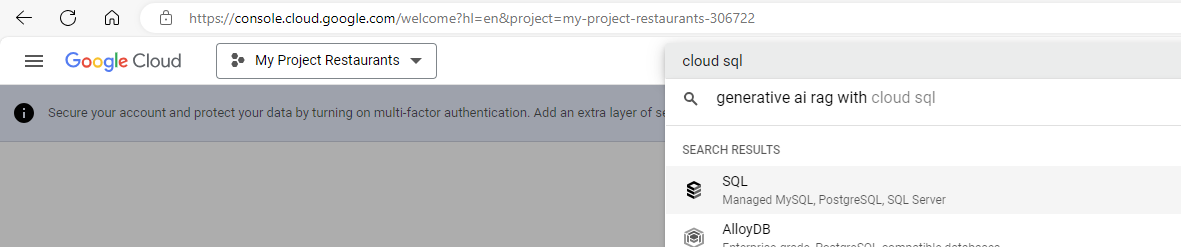
1. Create a new project in Google Cloud console
2. Activate cloud shell button (top right)
3. Clone Google's repo at [https://github.com/GoogleCloudPlatfor...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbTZ1TzFWcUhZYllmVEhIY2tsVjl0bWtsa0JKUXxBQ3Jtc0tuRnVWSlRFZ3V2cFl3dTlBbjl2RlJMMktNeEJfdjlsVlh2MnBPbVU5aU9SUVJ3MkZCc0drT1dOWXUzSEFpc0t5NUxFR2M4V0lBcklIelM3UHQxems2TkVMbWpaYXBRMW1JTThJM05uYm5JaWdGNTAxcw&q=https%3A%2F%2Fgithub.com%2FGoogleCloudPlatform%2Fpython-docs-samples&v=F7R8dEin6ZY) into the project.
4. Click on Open Editor (within the Cloud shell)
5. Expand appengine, flexible, hello\_world (confirm you can see the .py file for the Flask example) Note that the file: app.yaml is where you add additional PaaS config settings for GCP
6. In the console, cd to the hello\_world dir and run command: gcloud app deploy
7. If you are asked to set PROJECT\_ID, run following command: gcloud config set project [PROJECT\_NAME]
8. After a few minutes, your project should be live and it will have a link you can go to access your application!

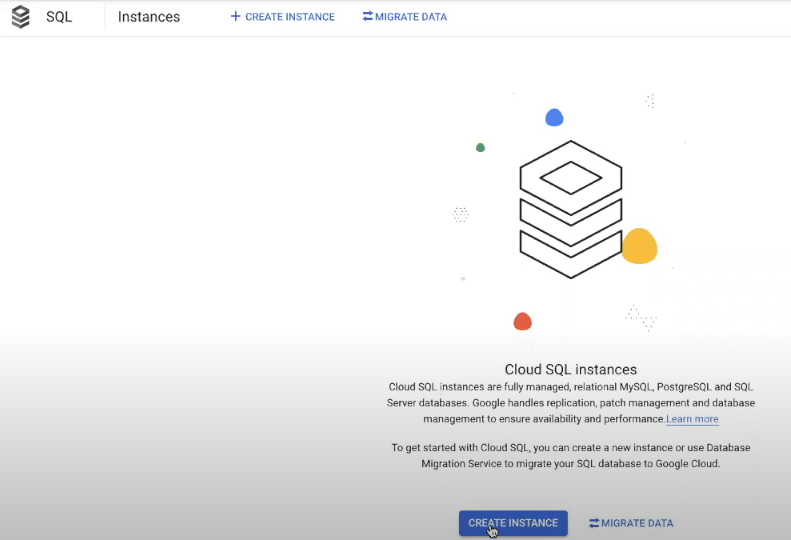
[python-docs-samples/appengine/flexible/hello\_world at main · GoogleCloudPlatform/python-docs-samples · GitHub](https://github.com/GoogleCloudPlatform/python-docs-samples/tree/main/appengine/flexible/hello_world)

Example Cloud SQL

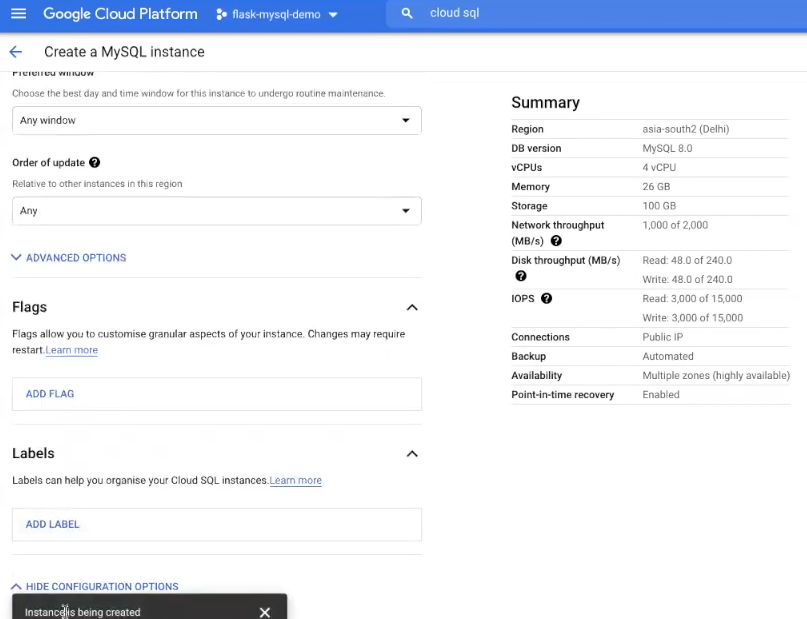
Click on Console:

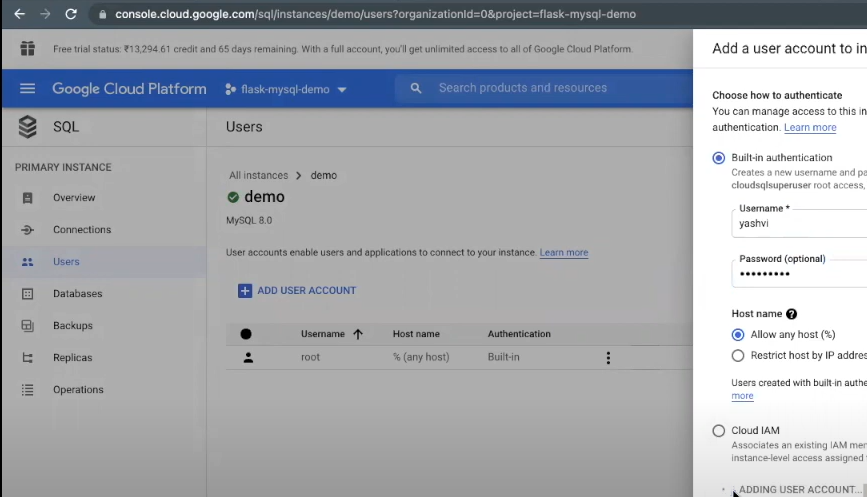


Search Cloud SQL:  


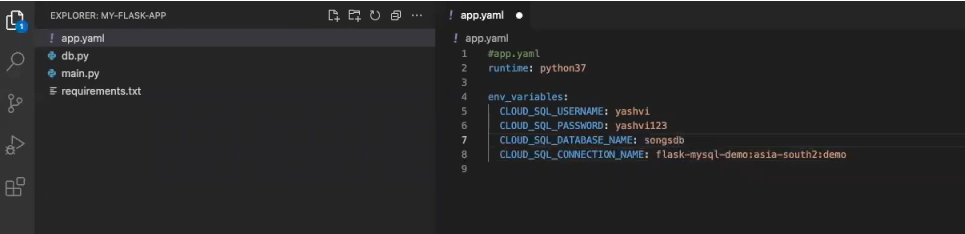
Create instance:  


Select type of DB,

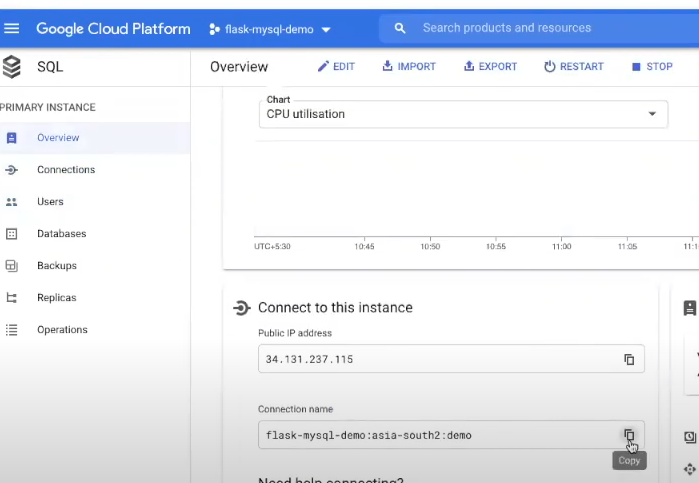
Create instance:

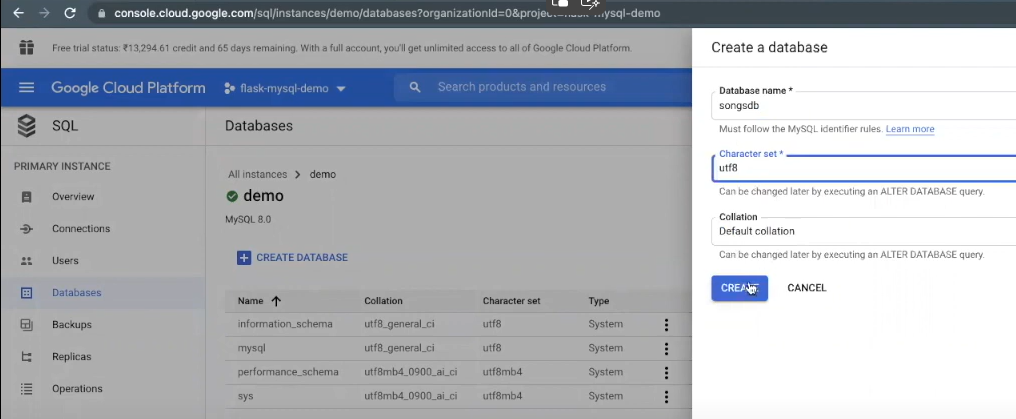
Go to Users, and add one account if required:  


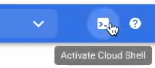
In the app.yaml set:



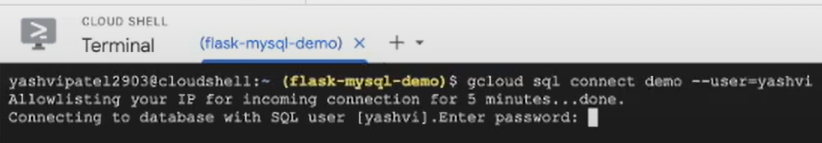
To get the connection name:



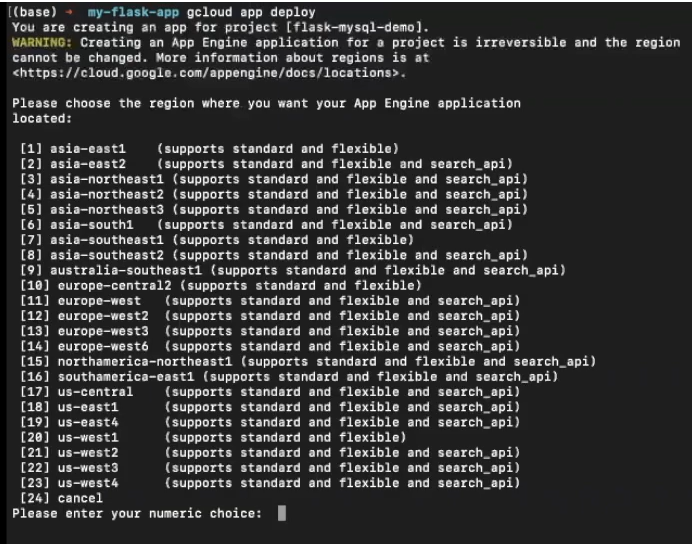
Go to databases and create a database:  


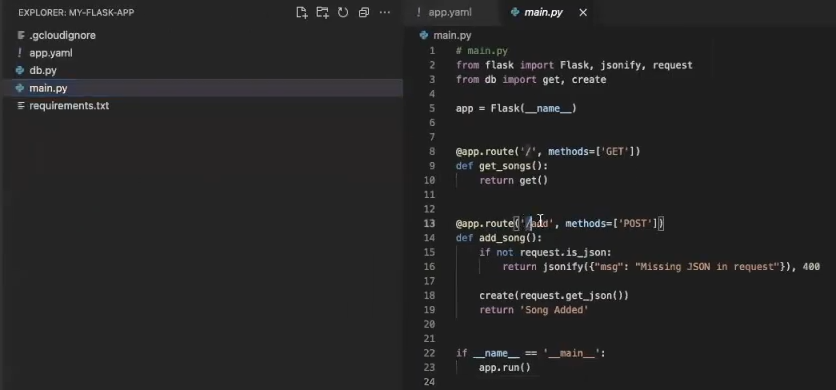
Then activate Cloud Shell:  


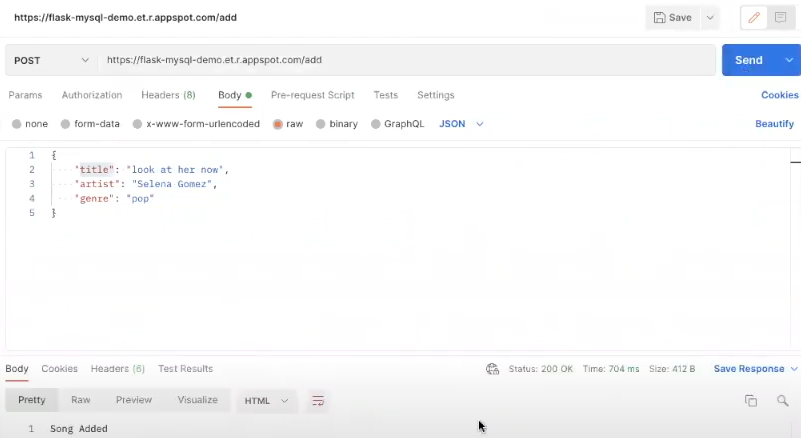
Run:

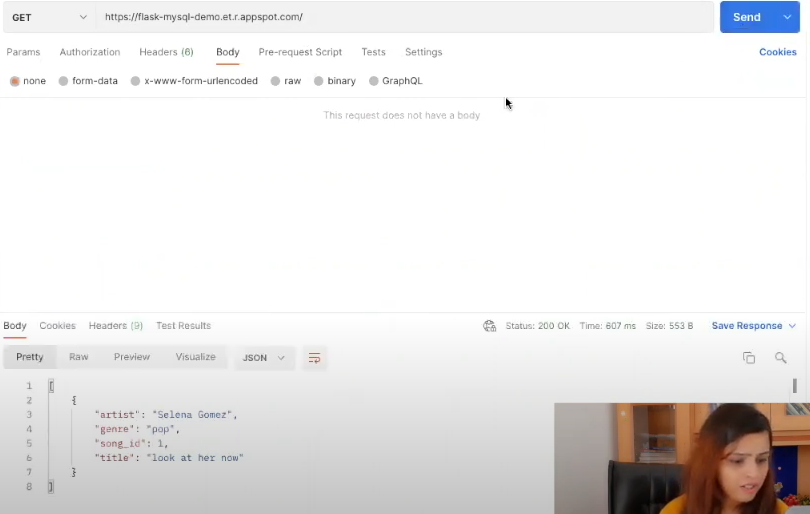




Deploy your app:  


[GitHub - YashviP/flask-cloud-sql-demo](https://github.com/YashviP/flask-cloud-sql-demo/tree/main)





[How I learned datascience | Roadmap to learn datascience | Learn datascience in 2021](https://www.youtube.com/watch?v=aYGSfZYp9Ik)

<https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbHZNUU02ZlBXR0lkR0JvVmVQTlJGREx5ajhMZ3xBQ3Jtc0tuclRIejlqdVphU3NDbGREUlZPREdtVU9zQzJmWXQwdTh6Z095YUg1Yk5EM0RRLWVVVkdZZ2s3ZUJXNm5wUlVxQzBTQXlDT3lUSWRTZTNqTWE5aUlOMjFzYW0tTTJ1bW5Nb0lQZ0VCa09Gd0hZb0tBSQ&q=https%3A%2F%2Fdocs.google.com%2Fdocument%2Fd%2F1UOMq-WXVm28w9TohhJvLQlrRYjNyXedFjay8KFhk4yY%2Fedit%3Fusp%3Dsharing&v=aYGSfZYp9Ik>

[Introduction to Computer Vision | Computer Vision playlist | BY YASHVI PATEL](https://www.youtube.com/watch?v=ZUQLXUylc5M&list=PL-Igr9xHTvSFP8PYeY7zlNU2k3Etf0Ror&index=1)