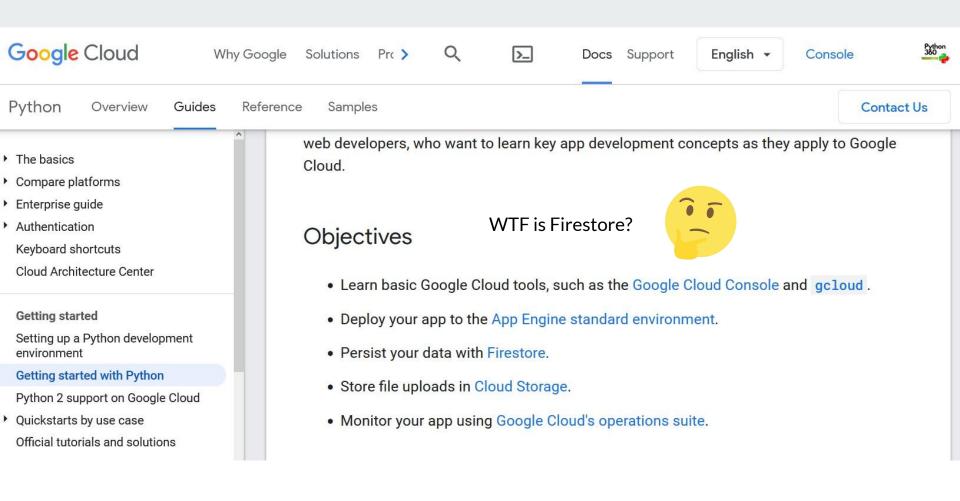
Google Cloud

Getting started with Python

https://cloud.google.com/python/docs/getting-started

On this page ^ Objectives Costs Before you begin Running your app Deploying your app to App Engine Persisting your data with Firestore Storing file uploads in Cloud Storage Monitoring your app using Google Cloud's operations suite Monitor logs with Cloud Logging Monitor errors with Error Reporting Clean up What's next

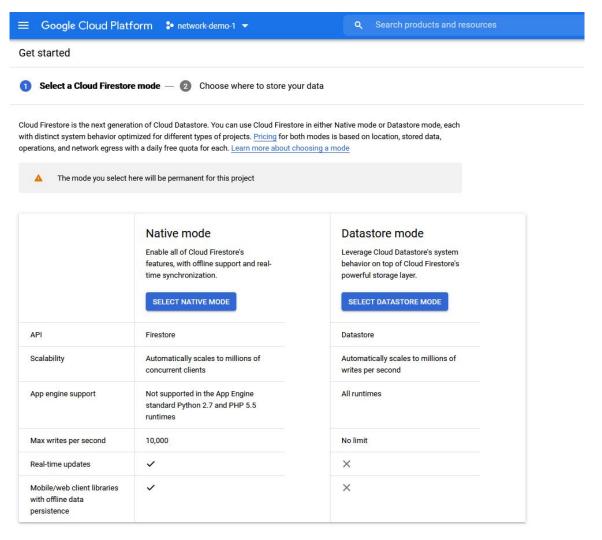


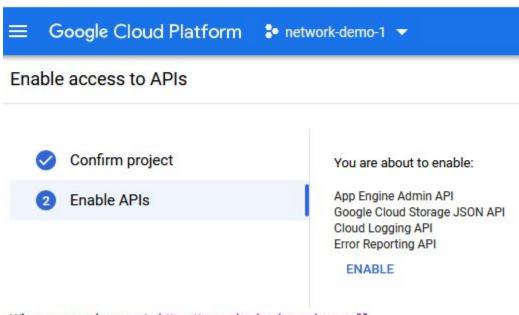
Firestore

Easily develop rich applications using a fully managed, scalable, and serverless document database.

Go to console

- Serverless document database that effortlessly scales to meet any demand, with no maintenance
- Accelerate development of mobile, web, and IoT apps with direct connectivity to the database
- Built-in live synchronization and offline mode makes it easy to develop real-time applications
- Fully customizable security and data validation rules to ensure the data is always protected
- Seamless integration with Firebase and Google Cloud services like Cloud Functions and BigQuery





When you are done, go to $\underline{\text{https://console.cloud.google.com}} \ \ \underline{\text{L}}.$

GitHub repo:

~/cloudshell_open/getting-started-python-0/bookshelf

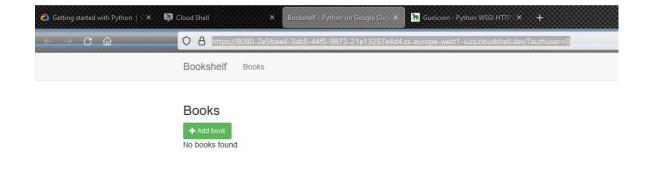
pip install google-cloud-firestore

gunicorn -b :8080 main:app

pip install grpcio

pip uninstall google_cloud_error_reporting

https://8080-2e5fcee4-3ab5-44f5-9873-21e13257e4d4.cs-europe-west1-iuzs.cloudshell.dev/?authuser=0



(firey-332517) × + ▼ Installing collected packages: google-cloud-error-reporting Successfully installed google-cloud-error-reporting-0.34.0 ken worthington 360@cloudshell:~/cloudshell open/getting-started-python-1/bookshelf (firey-332517) gunicorn -b :8080 main:app [2021-11-18 18:01:56 +0000] [2820] [INFO] Starting qunicorn 19.10.0 [2021-11-18 18:01:56 +0000] [2820] [INFO] Listening at: http://0.0.0.0:8080 (2820) [2021-11-18 18:01:56 +0000] [2820] [INFO] Using worker: sync [2021-11-18 18:01:56 +0000] [2824] [INFO] Booting worker with pid: 2824 [2021-11-18 18:03:30 +0000] [2820] [INFO] Handling signal: winch ^C[2021-11-18 18:03:53 +0000] [2820] [INFO] Handling signal: int [2021-11-18 18:03:53 +0000] [2824] [INFO] Worker exiting (pid: 2824) Waiting up to 5 seconds. Sent all pending logs. [2021-11-18 18:03:53 +0000] [2820] [INFO] Shutting down: Master ken worthington 360@cloudshell:~/cloudshell open/getting-started-python-1/bookshelf (firey-332517) \$ gcloud app deploy Services to deploy: descriptor: [/home/ken worthington 360/cloudshell open/getting-started-python-1/bookshelf/app.yaml] [/home/ken worthington 360/cloudshell open/getting-started-python-1/bookshelf] source: target project: [firev-332517] target service: [default] target version: [20211118t180400] target url: [https://firey-332517.nw.r.appspot.com] [App Engine default service account]

Do you want to continue (Y/n)?

target service account:

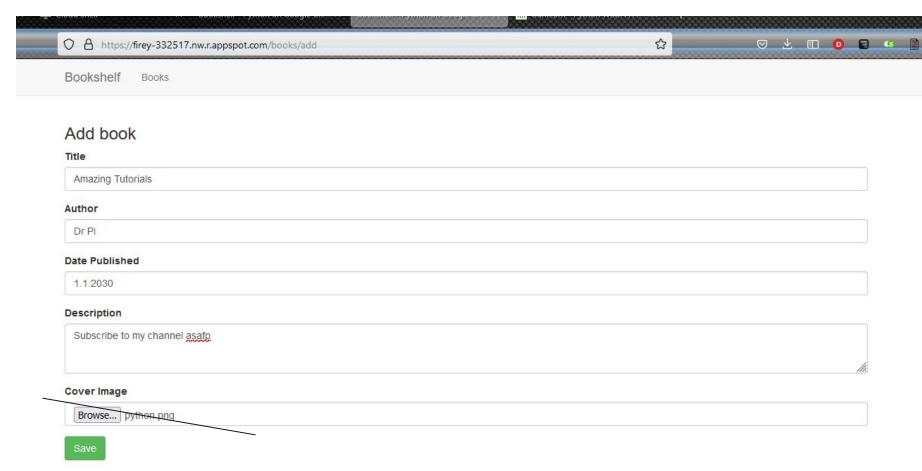
```
(firey-332517) × + ▼
target service:
                             [default]
                             [20211118t180400]
target version:
target url:
                             [https://firey-332517.nw.r.appspot.com]
target service account:
                             [App Engine default service account]
Do you want to continue (Y/n)? y
Beginning deployment of service [default]...
Created .gcloudignore file. See `gcloud topic gcloudignore` for details.
Uploading 15 files to Google Cloud Storage
7%
13%
20%
27%
33%
40%
47%
53%
60%
67%
73%
808
87%
93%
```

```
100%
File upload done.
Updating service [default]...done.
Setting traffic split for service [default]...done.
Deployed service [default] to [https://firey-332517.nw.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
ken worthington 360@cloudshell:~/cloudshell open/getting-started-python-1/bookshelf (firey-332517)$
```

93%





Bookshelf

Books

Book





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success!

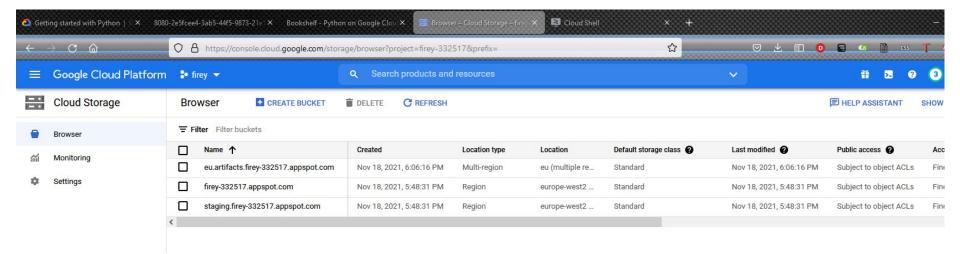


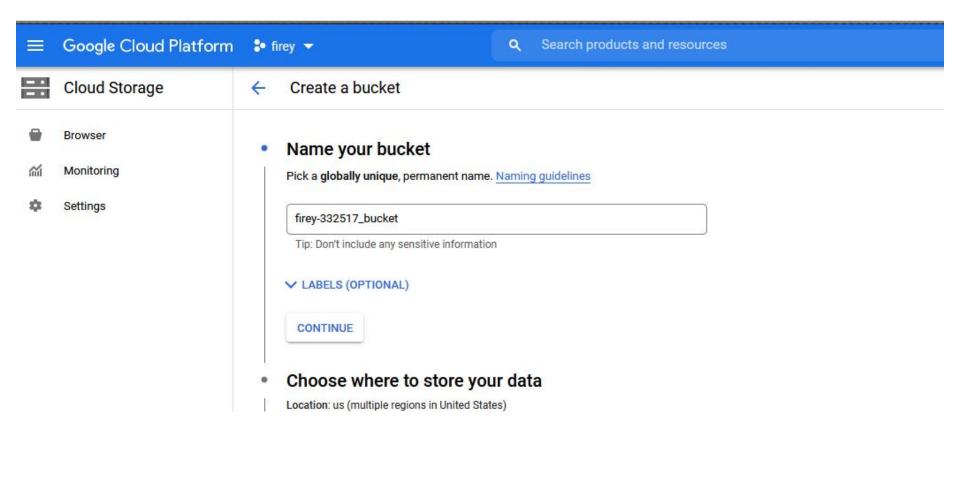
This happens if you try upload an image

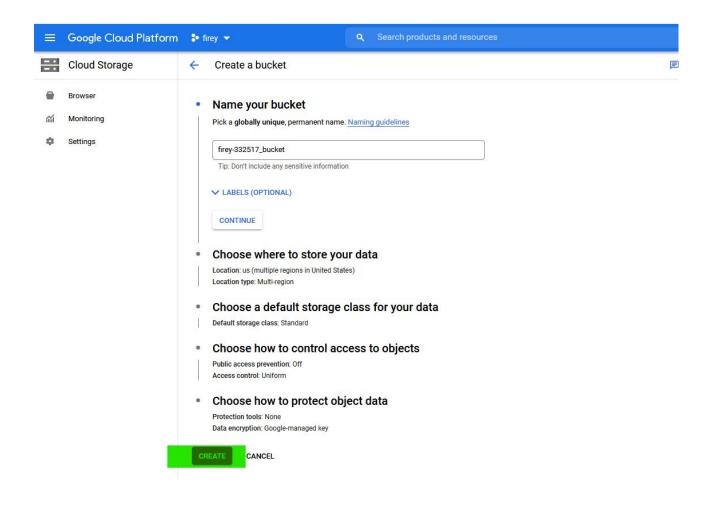
See logs for full stacktrace.

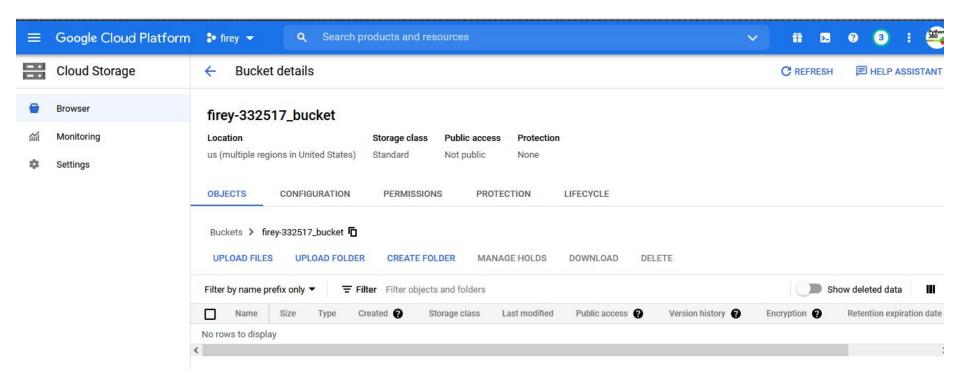
Storing file uploads in Cloud Storage

Now that you've added a book, it's time to add the book cover image. You cannot store files on your instances. A database isn't the right choice for image files. Instead, you use Cloud Storage.



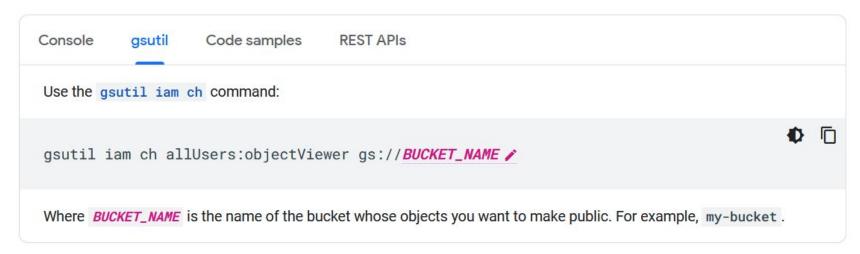


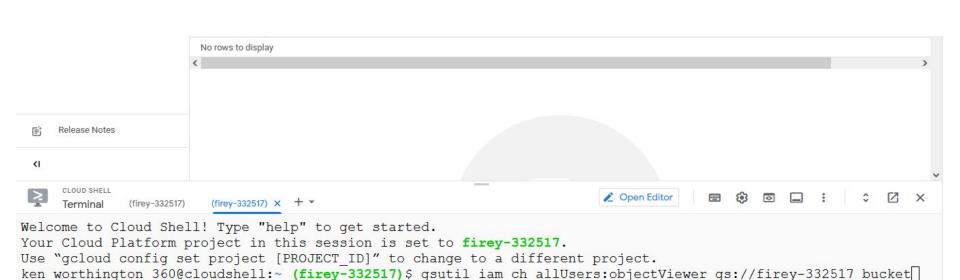


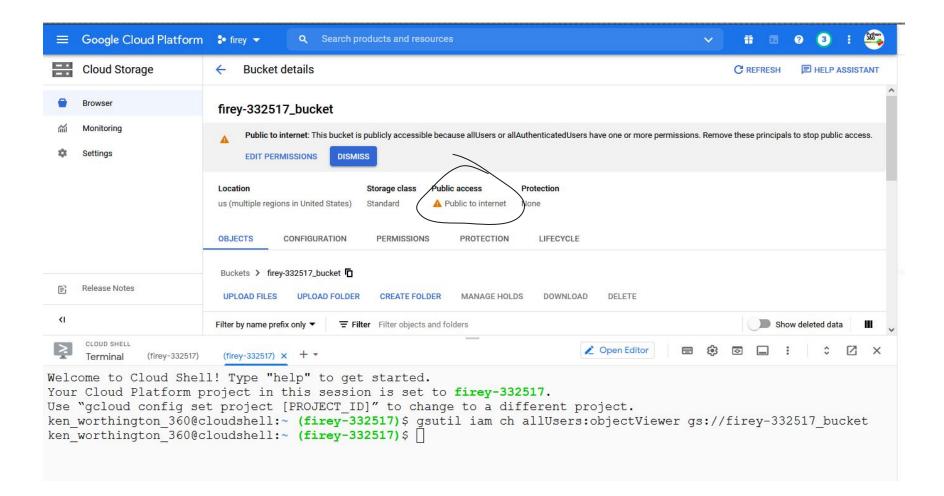


Making all objects in a bucket publicly readable

To make all objects in a bucket readable to everyone on the public internet:











O A https://firey-332517.nw.r.appspot.com/books/WZDMOefzJxaY6FRhDNAz

Bookshelf Books



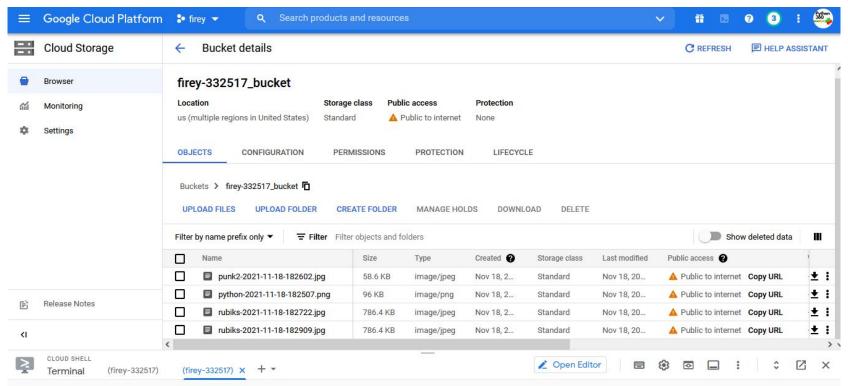
Delete book



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Welcome to Cloud Shell! Type "help" to get started. Your Cloud Platform project in this session is set to firey-332517.

Use "gcloud config set project [PROJECT_ID]" to change to a different project.

ken_worthington_360@cloudshell:~ (firey-332517) \$ gsutil iam ch allUsers:objectViewer gs://firey-332517_bucket ken worthington_360@cloudshell:~ (firey-332517) \$ gcloud app logs tail















Project Permanent Deletion Warning

Dear Developer,

Your Google Cloud project firey-332517 was shut down on November 18, 2021 6:35:48 PM UTC.

Shut-down projects and the data stored in them may be recovered for a limited time before the projects are permanently deleted. If you'd like to recover your project, you must cancel the project's permanent deletion before December 18, 2021 6:35:48 PM UTC.

To recover your shut-down project:

- 1. Visit the Resources pending deletion page.
- 2. Select the project you want to recover, and click Restore.
- 3. In the confirmation dialog, click Restore.

If you cannot recover your project by following the instructions above, you can try restoring it using the gcloud undelete command.

If you take no action by December 18, 2021 6:35:48 PM UTC, you will be unable to recover your project.

If you have any questions, please visit Google Cloud Platform Resource Manager Documentation or contact Google Cloud Platform Support.

Cordially,

The Google Cloud Platform Team