



8 - Create Cloud Storage Buckets

10:33

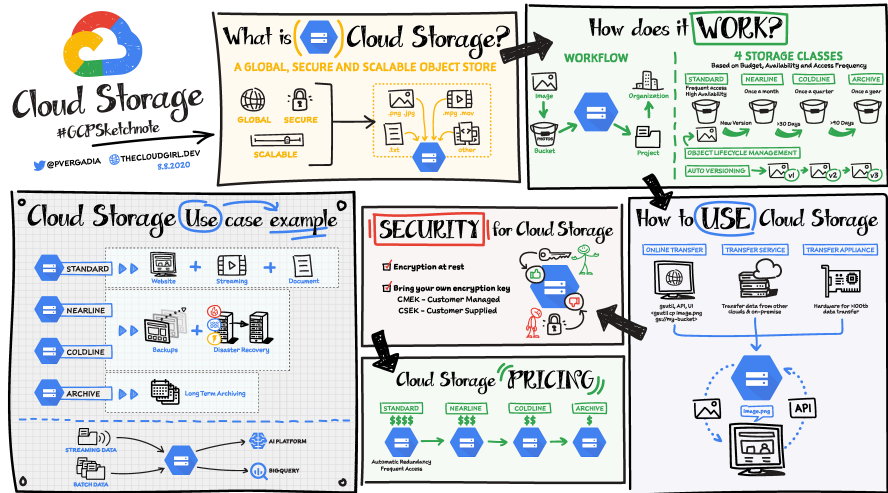


Mark Lesson Complete



Create Cloud Storage buckets

Google **Cloud Storage** is an object storage service that allows you to store and serve large amounts of data. We will use it to store our raw and processed videos.



The term bucket is used to refer to a container for objects (analogous to folders). Objects are the actual files that you upload to Cloud Storage.

Full Stack Development

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Intro

0 Demo and Architecture
8 min FREE

1 F 4 min FREE

Video Processing Service

2 Initialize Video Processing Service
11 min FREE

3 Process Locally
13 min FREE

Note: It's similar to a filesystem in that it has a hierarchical structure of buckets and folders. However, the folder structure is an illusion, since the files are actually stored in a flat hierarchy, similar to a hashmap.

FWIW, most people don't know these subtle details, but I thought it's worth mentioning.

We will create two buckets:

- 1. A bucket for raw videos.** This bucket will be configured to send file upload notifications to our Pub/Sub topic. It will also be private, so that only our internal services can access it. (Don't worry, users will still be able to upload videos to it, as we will see soon.)
- 2. A bucket for processed videos.** This bucket will be public, so that users can access the processed videos.

- 4 Containerize Video Processing Service 15 min
- 5 Convert Videos Hosted on Google Cloud Storage 24 min

Google Cloud

1. Create raw videos bucket.

```
# Create raw videos bucket
gsutil mb -l us-central1 --pap=enforced
gs://<BUCKET_NAME>

# Configure bucket to send file upload
notifications to Pub/Sub topic
gsutil notification create -t <topic-name> -f
json -e OBJECT_FINALIZE gs://<BUCKET_NAME>
```

Make sure to use the same topic name that you created in the previous lesson.

2. Create processed videos bucket

```
# Create processed videos bucket
gsutil mb -l us-central1 gs://<BUCKET_NAME>
```