

TITLE: "Introduction to Google Cloud - gsutil commands"

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- Tags: [Google Cloud, DataEngineer, Python, PySpark, SQL, BigData]

## gsutil tool documentation link

- <https://cloud.google.com/storage/docs/gsutil>

## Object Versioning:

- Object versioning prevents accidental deletion and also provides the history of what happens with the specific object in the bucket.
- Object versioning is best for data recovery processes and it can be enabled at Bucket level and can be turned on/off at any time.
- Whenever you use object versioning, the latest version of the object which you have uploaded will be the live version.
- Therefore, Live versions and non-current versions are stored in the same bucket with the same storage class by default.
- According to Google's recommended practices, you need to use Object versioning in Cloud Storage for sensitive data.

## Lab Commands:

- Creating a bucket in Cloud Storage
  - `gsutil mb -c standard -l $LOCATION gs://gsutildemo-pde-0003`
- List contents in a bucket.
  - `gsutil ls`
- To enable versioning, substitute on for on in the command.
  - `gsutil versioning set on/off gs://gsutildemo-pde-0003`
- To disable versioning, substitute off for on in the command.
  - `gsutil versioning set on/off gs://gsutildemo-pde-0003`
- How to verify the current status of versioning on a bucket.
  - `gsutil versioning get gs://gsutildemo-pde-0003`
- Create a new text file like demo\_test.txt. Add text to it. In Cloud Storage, restoring a noncurrent object version means making a copy of it.
- Upload it to bucket
  - `gsutil cp /home/cloudaiaanalytics/demo_test.txt gs://gsutildemo-pde-0003`
- Open it using global http url.
- Now edit demo\_test.txt and save it.
- Object versioning you cant find it in console but it can be found in gsutil path.
  - `gsutil ls -a gs://gsutildemo-pde-0003`
- Listing Archived Object Versions
  - `gsutil ls -l gs://gsutildemo-pde-0003`
- To view the file in command line tool use
  - `gsutil cat gs://gsutildemo-pde-0003/demo_test.txt`