PROFESSIONAL DATA ENGINEER - *Google Cloud Platform*

TITLE: "Introduction to Google Cloud - gsutil commands"

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gsutil tool documentation link

- https://cloud.google.com/storage/docs/gsutil (https://cloud.google.com/storage/docs/gsutil)

Gsutil commands:

export LOCATION=us-central1 echo $LOCATION

1. Create bucket

   - gsutil mb -p -c NEARLINE -l $LOCATION -b on gs://gsutildemo-pde-0002/ (or)
   - gsutil mb -c standard -l $LOCATION gs://gsutildemo-pde-0002

2. Upload file(file should be in gcp shell or editor)

   - gsutil cp /home/cloudaianalytics/titanic.csv gs://gsutildemo-pde-0002

3. Upload Object

   - gsutil cp -r /home/thearrow0494/demo gs://gsutildemo-pde-0002/

   NOTE Use the -r option to copy an entire directory tree. (or)

   - gsutil cp filename.* gs://gsutildemo-pde-0002

4. Upload large collection of Objects

   - gsutil -m cp -r /home/thearrow0494/demo gs://gsutildemo-pde-0002

NOTE (You can also use the -m option to upload large number of files which performs a parallel (multi-threaded/multi-processing) copy.)

5. move files/folder to newly created bucket details

    - gsutil mv /home/cloudaianalytics/output.txt gs://gsutildemo-pde-0002

6. Move data from one bucket to another

    - gsutil cp -r gs://gsutildemo-pde-0002/* gs://gsutildemo-pde-0001 (or)
    - gsutil cp -r gs://gsutildemo-pde-0002/* gs://gcpdemo-pde-0001

7. Download the object from your bucket

    - gsutil cp gs://gsutildemo-pde-0002/desktopwallpapercopy.jpeg .

8. Listing buckets

    - gcloud alpha storage ls (or) gsutil ls

9. List contents of a bucket or folder.Use the gsutil ls command to list the contents of the bucket:

    - gsutil ls gs://gsutildemo-pde-0002

10. To print additional detail about objects and buckets use the gsutil ls -L option.

- gsutil ls -L gs://gsutildemo-pde-0002/file_name. (and) List details for an object --> gsutil ls -l gs://gsutildemo-pde-0002/file_name

13. Get bucket information

    - gsutil du -s gs://gsutildemo-pde-0002

14. need to write a file

    - nano sample.txt

15. To view file in cli

    - gsutil cat gs://gsutildemo-pde-0002/sample.txt

16. To get help

    - gsutil --help

17. Make the objects publicly accessible

    - gsutil iam ch allUsers:objectViewer gs://gsutildemo-pde-0002

18. Give someone access to your bucket

    - gsutil iam ch user:vsekar602@gmail.com:objectCreator,objectViewer gs://gsutildemo-pde-0002

19. Delete an object

- gsutil rm gs://gsutildemo-pde-0002/output.txt

20. Delete the bucket

- gsutil rm -r gs://gsutildemo-pde-0002