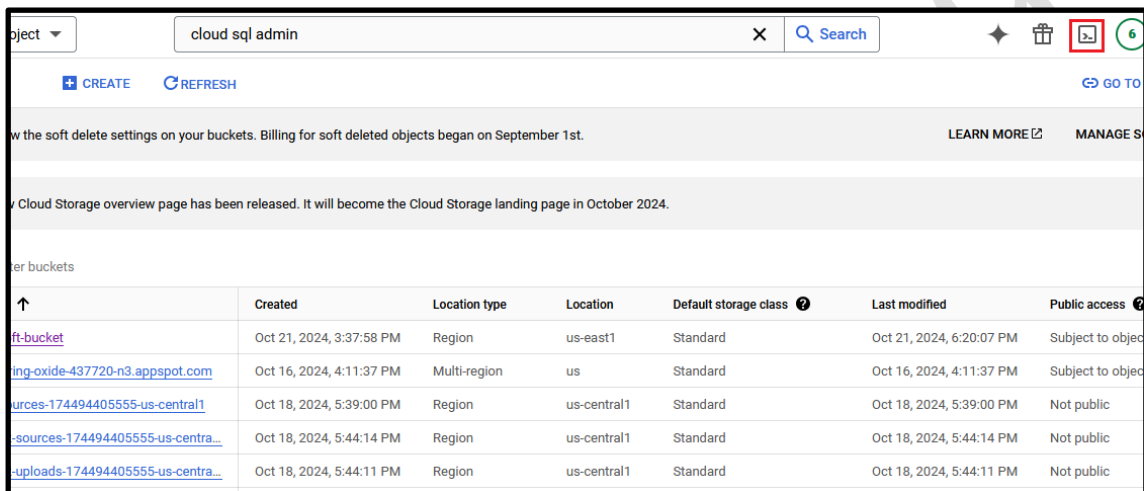


# Google Cloud Platform Practices

## 1. Cloud Storage

- We're going to create a practice using the command "gcloud" on the command line so that you get used to it.
- We're going to create a bucket, and then we upload a file and read it.
- From the Cloud Storage window we enter Cloud Shell.



↑	Created	Location type	Location	Default storage class	Last modified	Public access
<a href="#">ft-bucket</a>	Oct 21, 2024, 3:37:58 PM	Region	us-east1	Standard	Oct 21, 2024, 6:20:07 PM	Subject to objec
<a href="#">ting-oxide-437720-n3.appspot.com</a>	Oct 16, 2024, 4:11:37 PM	Multi-region	us	Standard	Oct 16, 2024, 4:11:37 PM	Subject to objec
<a href="#">sources-174494405555-us-central1</a>	Oct 18, 2024, 5:39:00 PM	Region	us-central1	Standard	Oct 18, 2024, 5:39:00 PM	Not public
<a href="#">sources-174494405555-us-centra...</a>	Oct 18, 2024, 5:44:14 PM	Region	us-central1	Standard	Oct 18, 2024, 5:44:14 PM	Not public
<a href="#">uploads-174494405555-us-centra...</a>	Oct 18, 2024, 5:44:11 PM	Region	us-central1	Standard	Oct 18, 2024, 5:44:11 PM	Not public

- Let's now create a bucket. Remember that the name must be unique. Therefore, you must replace the name I am going to give with one created by you. Otherwise, it will fail.
- We also indicate the region where we want to create it.

```
gcloud storage buckets create gs://apasoft-bucket-3 --location=us-east1
```

```
Creating gs://apasoft-bucket-3/...
```

- Let's list the buckets to verify that they have been created. Of course, you can get a very different list.

```
gcloud storage ls
```

```
gs://apasoft-bucket/
```

```
gs://apasoft-bucket-3/
```

```
gs://centering-oxide-437720-n3.appspot.com/
```

```
gs://gcf-sources-174494405555-us-central1/
```

```
gs://gcf-v2-sources-174494405555-us-central1/
gs://gcf-v2-uploads-174494405555-us-central1/
gs://staging.centering-oxide-437720-n3.appspot.com/
```

- Now let's upload a file to the bucket.
- Let's first create a file within the Cloud Shell environment where we are.

```
echo "This is a file to upload in my Bucket" > test.txt

ls -l

total 12

drwxr-xr-x 4 gcp gcp 4096 Oct 19 12:34 app-engine
-rwxr-xr-x 1 gcp gcp 913 Oct 22 20:05 README-cloudshell.txt
-rw-rw-r-- 1 gcp gcp 38 Oct 22 20:31 test.txt

cat test.txt

This is a file to upload in my Bucket
```

- Once we have created the file we upload it with the following command.

```
cloud storage cp test.txt gs://apasoft-bucket-3

Copying file://test.txt to gs://apasoft-bucket-3/test.txt

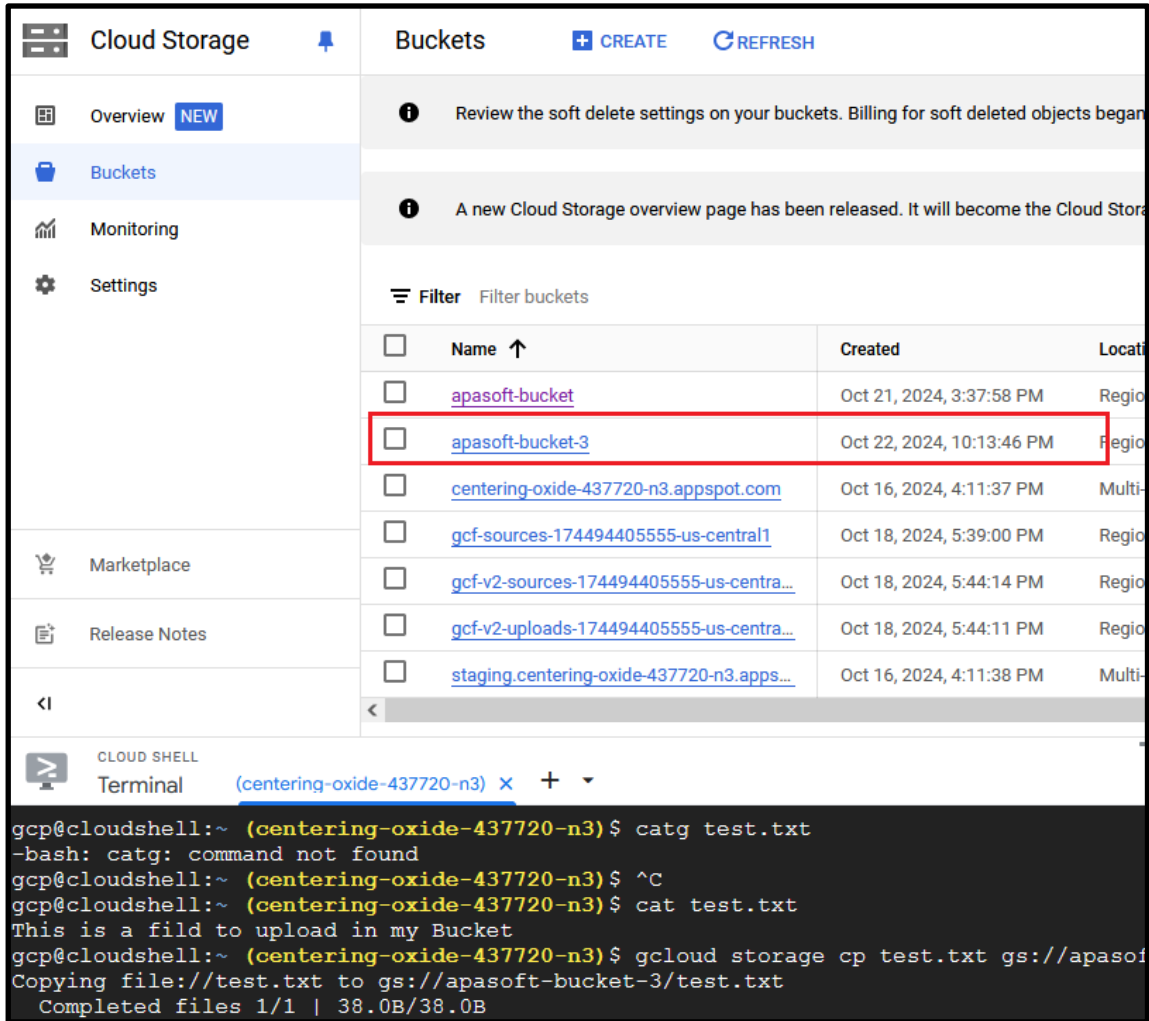
Completed files 1/1 | 38.0B/38.0B
```

- Now we check that the file exists in the bucket.

```
gcloud storage ls gs://apasoft-bucket-3

gs://apasoft-bucket-3/test.txt
```

- Before continuing, and from the web console we check that the bucket exists.



**Cloud Storage** Buckets CREATE REFRESH

Overview NEW

Buckets

Monitoring

Settings

Marketplace

Release Notes

Filter Filter buckets

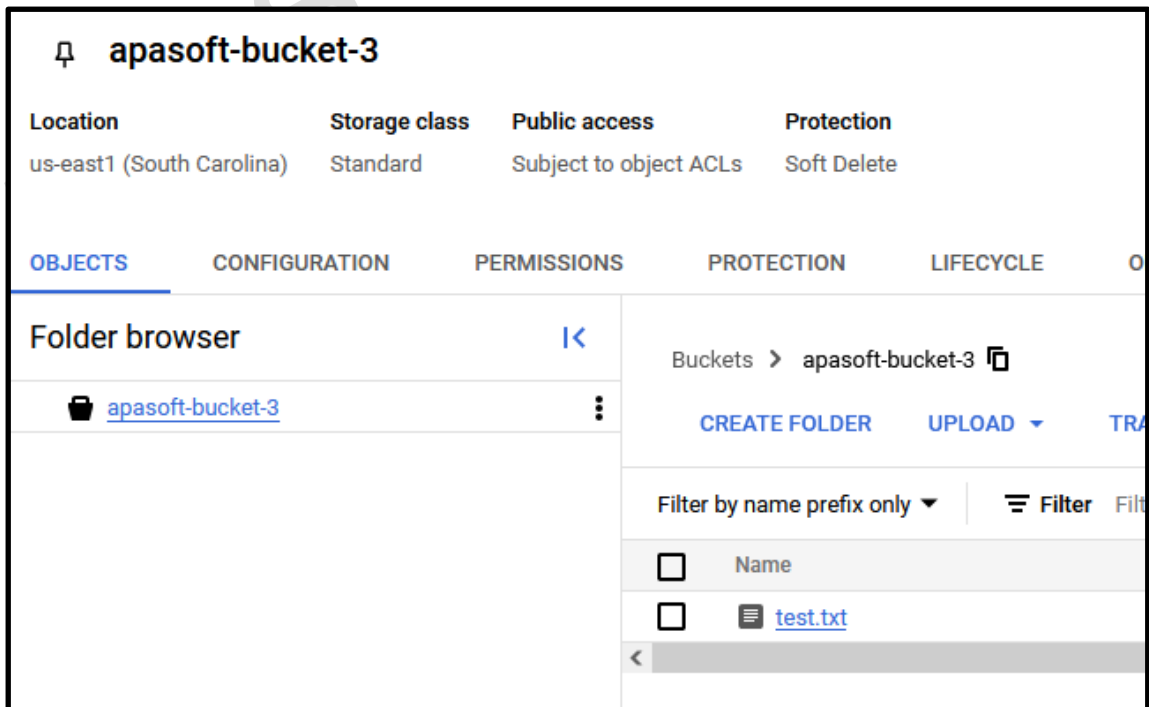
<input type="checkbox"/>	Name ↑	Created	Location
<input type="checkbox"/>	<a href="#">apasoft-bucket</a>	Oct 21, 2024, 3:37:58 PM	Region
<input type="checkbox"/>	<a href="#">apasoft-bucket-3</a>	Oct 22, 2024, 10:13:46 PM	Region
<input type="checkbox"/>	<a href="#">centering-oxide-437720-n3.appspot.com</a>	Oct 16, 2024, 4:11:37 PM	Multi-Region
<input type="checkbox"/>	<a href="#">gcf-sources-174494405555-us-central1</a>	Oct 18, 2024, 5:39:00 PM	Region
<input type="checkbox"/>	<a href="#">gcf-v2-sources-174494405555-us-centra...</a>	Oct 18, 2024, 5:44:14 PM	Region
<input type="checkbox"/>	<a href="#">gcf-v2-uploads-174494405555-us-centra...</a>	Oct 18, 2024, 5:44:11 PM	Region
<input type="checkbox"/>	<a href="#">staging.centering-oxide-437720-n3.apps...</a>	Oct 16, 2024, 4:11:38 PM	Multi-Region

CLOUD SHELL Terminal (centering-oxide-437720-n3) X +

```

gcp@cloudshell:~ (centering-oxide-437720-n3)$ catg test.txt
-bash: catg: command not found
gcp@cloudshell:~ (centering-oxide-437720-n3)$ ^C
gcp@cloudshell:~ (centering-oxide-437720-n3)$ cat test.txt
This is a fild to upload in my Bucket
gcp@cloudshell:~ (centering-oxide-437720-n3)$ gcloud storage cp test.txt gs://apasoft-bucket-3/test.txt
Copying file://test.txt to gs://apasoft-bucket-3/test.txt
Completed files 1/1 | 38.0B/38.0B
    
```

- If I enter the bucket, the file should appear: test.txt.



**apasoft-bucket-3**

Location: us-east1 (South Carolina) | Storage class: Standard | Public access: Subject to object ACLs | Protection: Soft Delete

OBJECTS | CONFIGURATION | PERMISSIONS | PROTECTION | LIFECYCLE

Folder browser

Buckets > apasoft-bucket-3

CREATE FOLDER | UPLOAD | TRASH

Filter by name prefix only

<input type="checkbox"/>	Name
<input type="checkbox"/>	<a href="#">test.txt</a>

- Now let's delete the file.

```
gcloud storage rm gs://apasoft-bucket-3/test.txt

Removing objects:

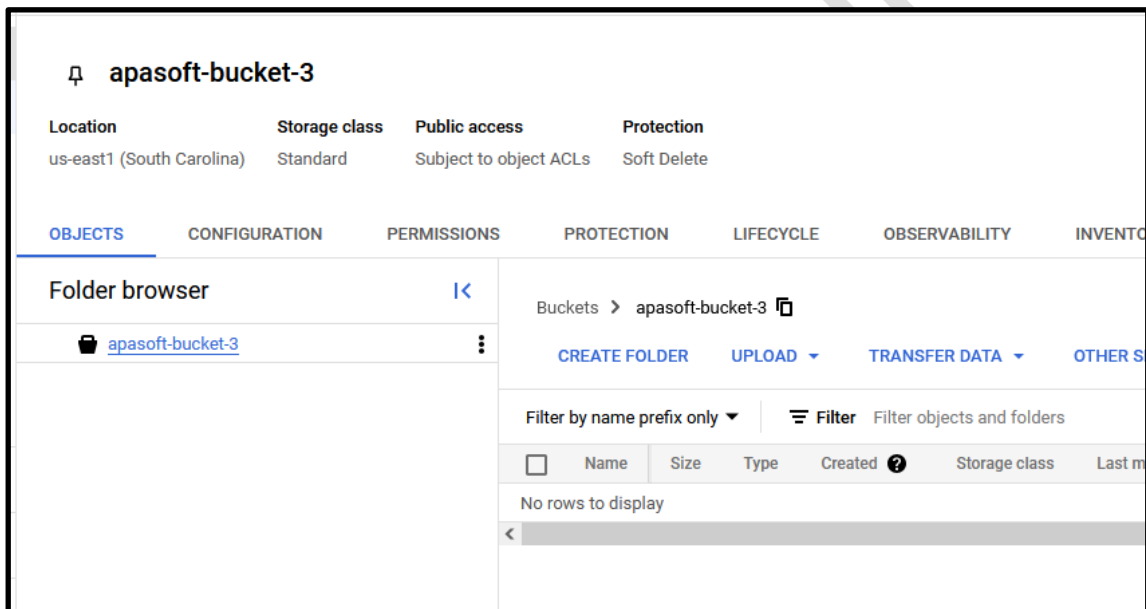
Removing gs://apasoft-bucket-3/test.txt...

Completed 1/1
```

- It should no longer appear in the list.

```
gcloud storage ls gs://apasoft-bucket-3
```

- In the web console it should also be gone.



- Finally, we delete the bucket.

```
gcloud storage rm -r gs://apasoft-bucket-3

Removing objects:

Completed 0

Removing buckets:

Removing gs://apasoft-bucket-3/...

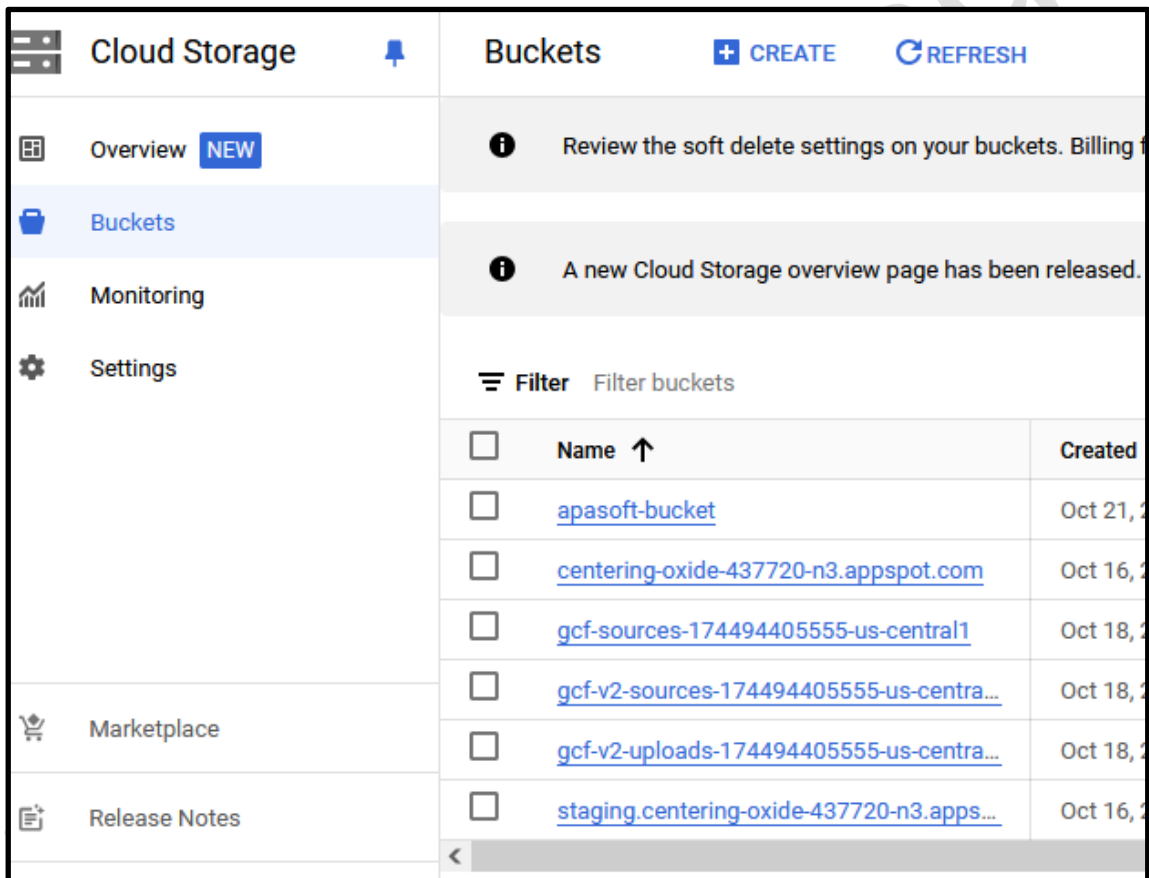
Completed 1/1
```

- It should no longer appear in the bucket list.

```
gcloud storage ls
```

```
gs://apasoft-bucket/  
gs://centering-oxide-437720-n3.appspot.com/  
gs://gcf-sources-174494405555-us-central1/  
gs://gcf-v2-sources-174494405555-us-central1/  
gs://gcf-v2-uploads-174494405555-us-central1/  
gs://staging.centering-oxide-437720-n3.appspot.com/
```

- It must also have disappeared from the WEB console.



-