

# GOOGLE CLOUD PLATFORM PROJECT

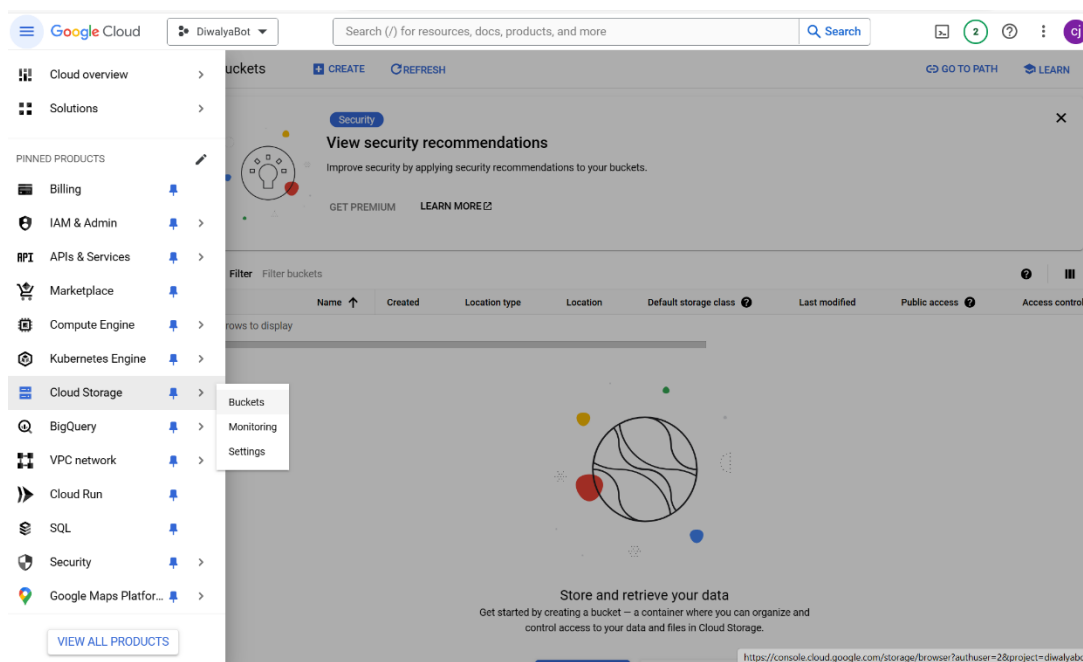
## DEPLOY YOUR STATIC WEBSITE ON GOOGE CLOUD (CLOUD STORAGE)

by Noura Alhenaki

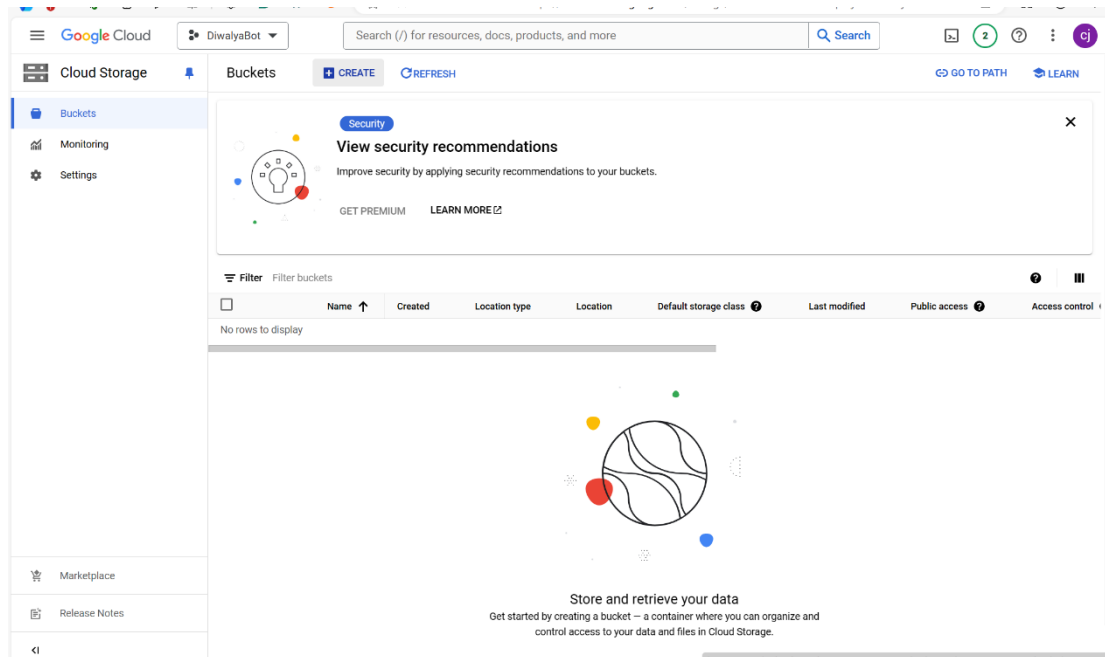
### Guidelines:

- First make your own GCP account. project on Google Cloud (Cloud Storage)
- second after you make your account go to cloud storage and create your first bucket
- third upload your website and enable public access

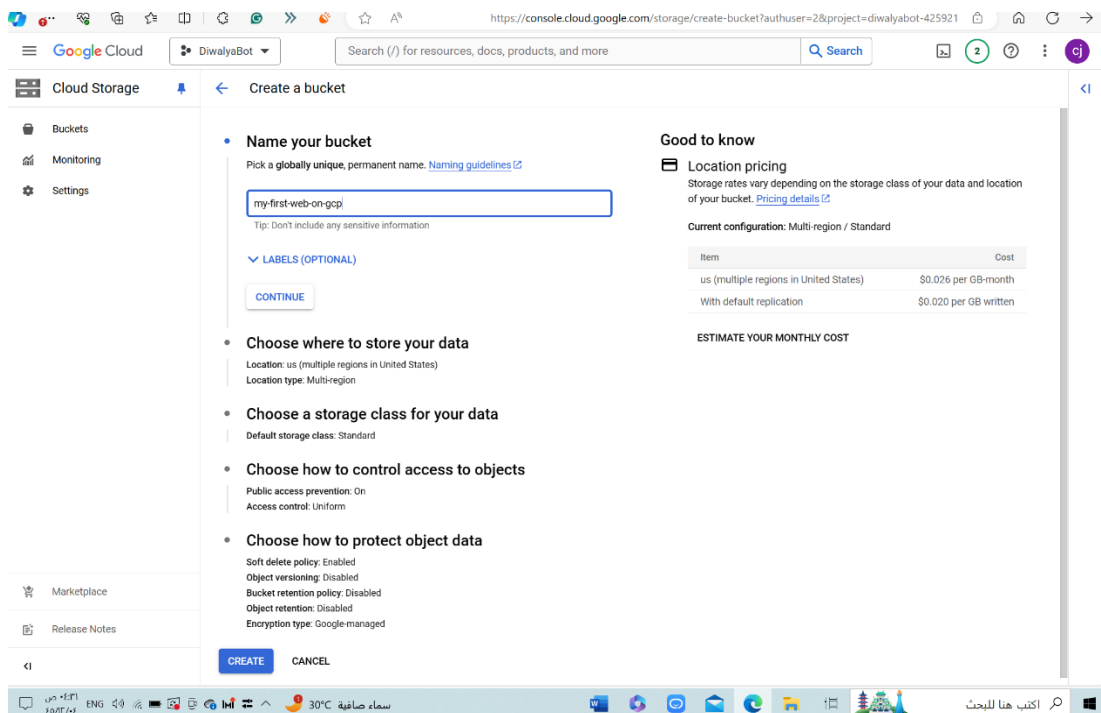
Bucket settings: here you make your first Bucket.



And click on create.



The bucket settings.



Choose the region.

Google Cloud

My First Project

Search (/) for resources, docs, products, and more

Search

Cloud Storage

Buckets

Monitoring

Settings

Marketplace

Release Notes

←

Create a bucket

HELP ASSISTANT

◀

✓

Name your bucket

|

Name: my-first-web-on-gcp

✓

Choose where to store your data

This choice defines the geographic placement of your data and affects cost, performance, and availability. Cannot be changed later. [Learn more](#)

Location type

☐ Multi-region

Highest availability across largest area

☐ Dual-region

High availability and low latency across 2 regions

☒ Region

Lowest latency within a single region

me-central1 (Doha)

▼

CONTINUE

Good to know

Location pricing

Storage rates vary depending on the storage class of your data and location of your bucket. [Pricing details](#)

Current configuration: Region / Standard

| Item               | Cost                 |
|--------------------|----------------------|
| me-central1 (Doha) | \$0.023 per GB-month |

ESTIMATE YOUR MONTHLY COST

✓

Choose a storage class for your data

A storage class sets costs for storage, retrieval, and operations, with minimal differences in uptime. Choose if you want objects to be managed automatically or specify a default storage class based on how long you plan to store your data and your workload or use case. [Learn more](#)

☐ Autoclass

Automatically transitions each object to hotter or colder storage based on object-level activity, to optimize for cost and latency. Recommended if usage frequency may be unpredictable. Can be changed to a default class at any time. [Pricing details](#)

☒ Set a default class

Applies to all objects in your bucket unless you manually modify the class per object or set object lifecycle rules. Best when your usage is highly predictable. Can't be changed to Autoclass once the bucket is created.

☒ Standard

Best for short-term storage and frequently accessed data

☐ Nearline

Best for backups and data accessed less than once a month

☐ Coldline

Best for disaster recovery and data accessed less than once a quarter

☐ Archive

Best for long-term digital preservation of data accessed less than once a year

CONTINUE

Item

Cost

us (multiple regions in United States)

\$0.026 per GB-month

With default replication

\$0.020 per GB written

ESTIMATE YOUR MONTHLY COST

click create

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Create a bucket

HELP ASSISTANT

◀

✓

Choose a storage class for your data

|

Default storage class: Standard

✓

Choose how to control access to objects

Public access prevention: On

Access control: Uniform

•

Choose how to protect object data

Your data is always protected with Cloud Storage but you can also choose from these additional data protection options to prevent data loss. Note that object versioning and retention policies cannot be used together.

Protection tools

☒ None

☐ Object versioning (for data recovery)

For restoring deleted or overwritten objects. To minimize the cost of storing versions, we recommend limiting the number of noncurrent versions per object and scheduling them to expire after a number of days. [Learn more](#)

☐ Retention policy (for compliance)

For preventing the deletion or modification of the bucket's objects for a specified minimum duration of time after being uploaded. [Learn more](#)

DATA ENCRYPTION

Item

Cost

us (multiple regions in United States)

\$0.026 per GB-month

With default replication

\$0.020 per GB written

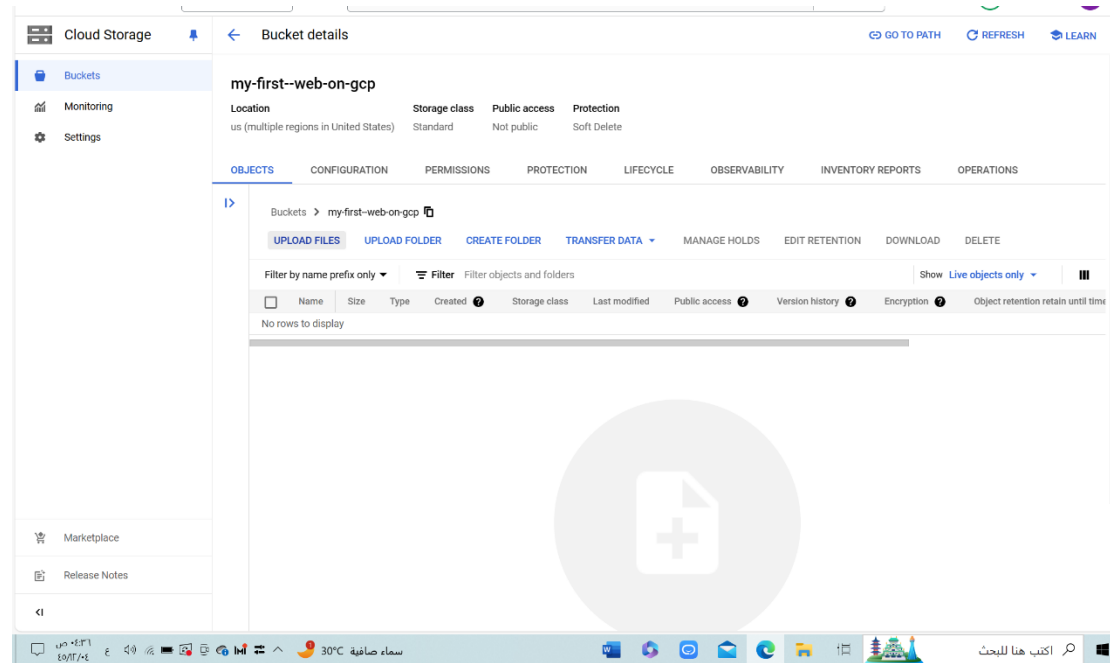
ESTIMATE YOUR MONTHLY COST

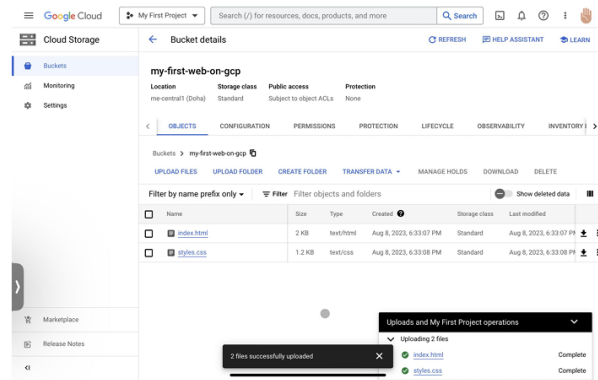
CREATE

CANCEL

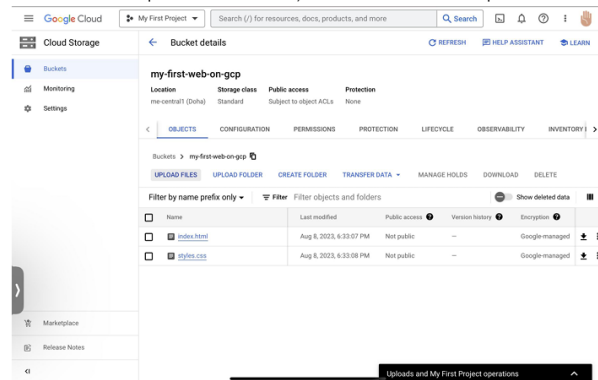
## Bucket console:

After we create our first bucket, we'll upload our website from click on the upload button.



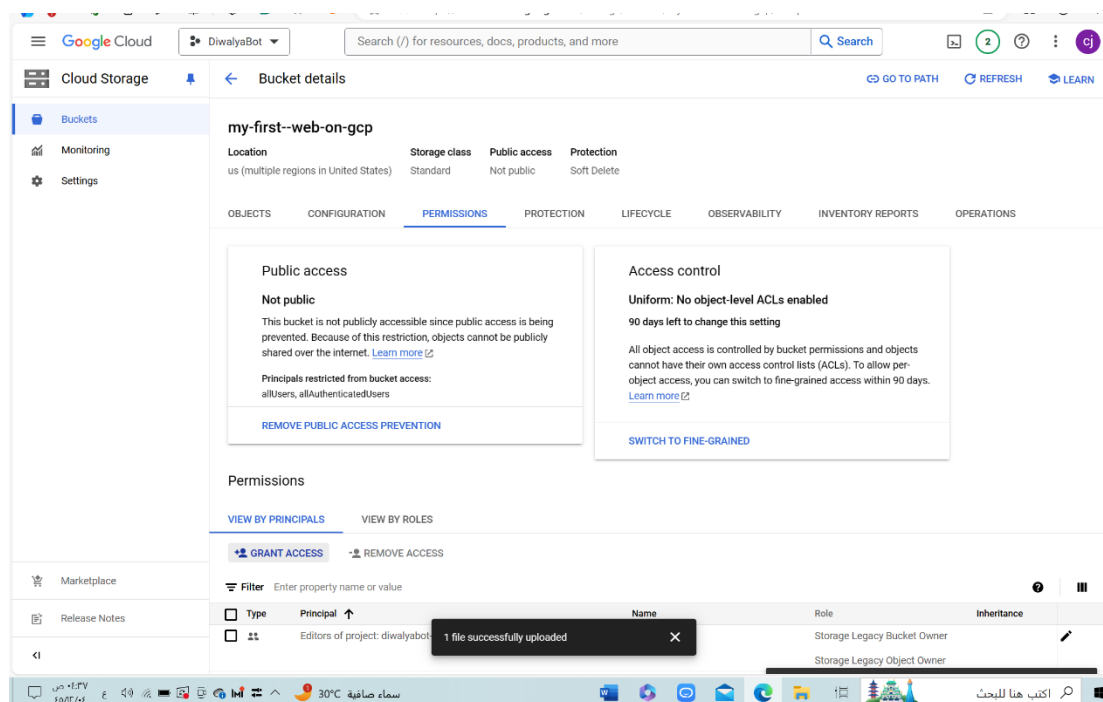


After we have uploaded the site, we have to make it public.

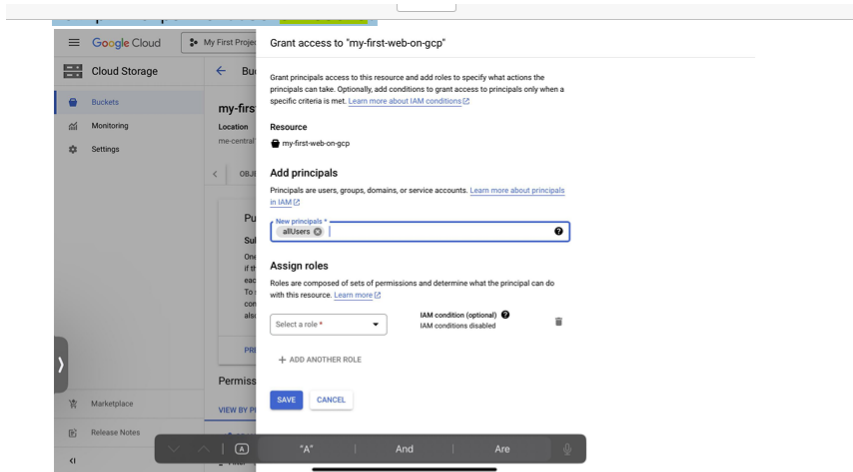


Click on permissions and follow the steps.

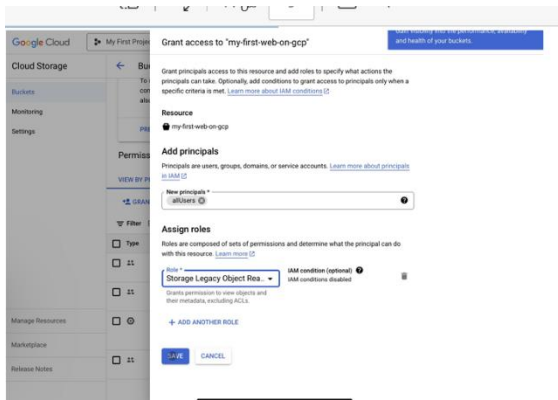
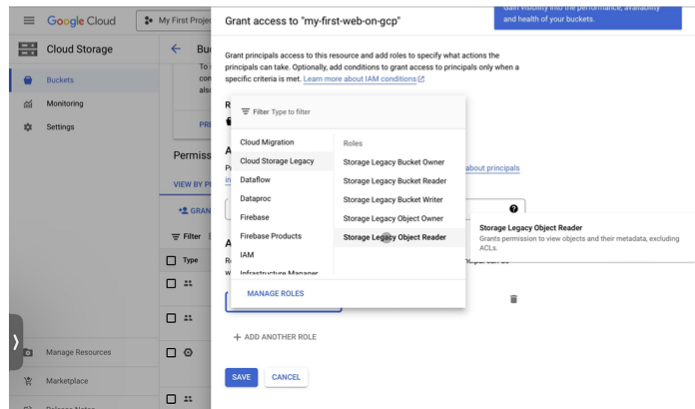
After you select the files click on permissions and click on Grant access.



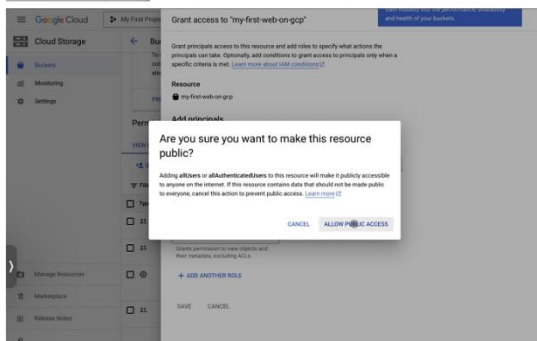
New principal choose **allUsers**



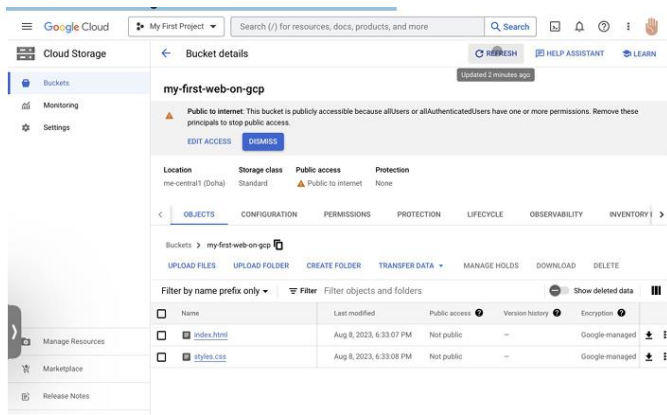
Now select the role.



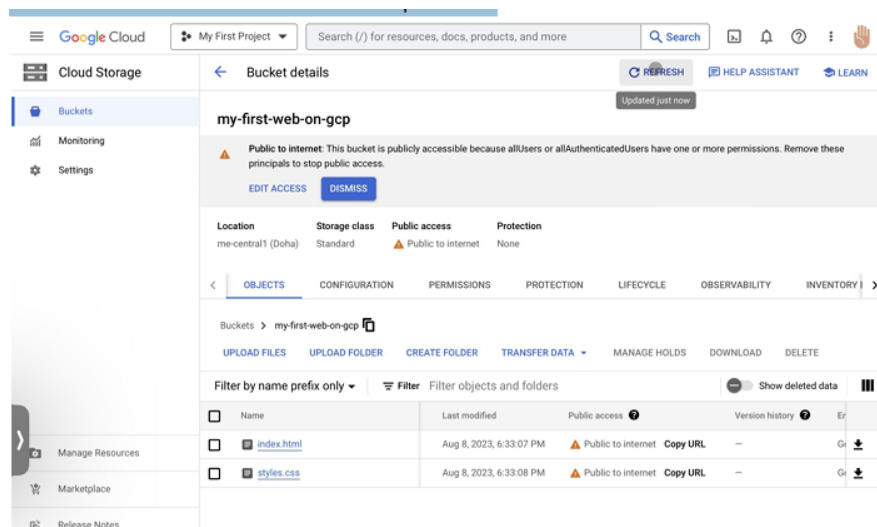
After that save the Grant access.



Get back to Objects and click refresh.



As we see now the website is public.



Return to the bucket and select the three dots button and do the following.



Google Cloud

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Search

Cloud Storage

← Bucket details

REFRESH

HELP ASSISTANT

LEARN

Buckets

Monitoring

Settings

my-first-web-on-gcp

Public to internet: This bucket is publicly accessible because allUsers or allAuthenticatedUsers have one or more permissions. Remove these principals to stop public access.

EDIT ACCESS

DISMISS

Location

me-central1 (Doha)

Storage class

Standard

Public access

Public to internet

Protection

None

OBJECTS

CONFIGURATIONPERMISSIONSPROTECTIONLIFECYCLEOBSERVABILITYINVENTORY

Buckets > my-first-web-on-gcp

UPLOAD FILES

UPLOAD FOLDER

CREATE FOLDER

TRANSFER DATA

MANAGE HOLDS

DOWNLOAD

DELETE

Filter by name prefix only

Filter

Filter objects and folders

Show deleted data

| <input type="checkbox"/> | Name       | Size   | Type      | Created                 | Storage class | Last modified           |
|--------------------------|------------|--------|-----------|-------------------------|---------------|-------------------------|
| <input type="checkbox"/> | index.html | 2 KB   | text/html | Aug 8, 2023, 6:33:07 PM | Standard      | Aug 8, 2023, 6:33:07 PM |
| <input type="checkbox"/> | styles.css | 1.2 KB | text/css  | Aug 8, 2023, 6:33:08 PM | Standard      | Aug 8, 2023, 6:33:08 PM |

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Try The New Cloud Storage Monitoring Dashboard

Check out the new Cloud Storage monitoring dashboard and Bucket Observability pages! Powered by Cloud Operations, you can customize these dashboards for each project.

TRY NOW

View security recommendations

Improve security by applying security recommendations to your buckets. The security insights column in the table describes which buckets have excess permissions.

VIEW IN TABLE

LEARN MORE

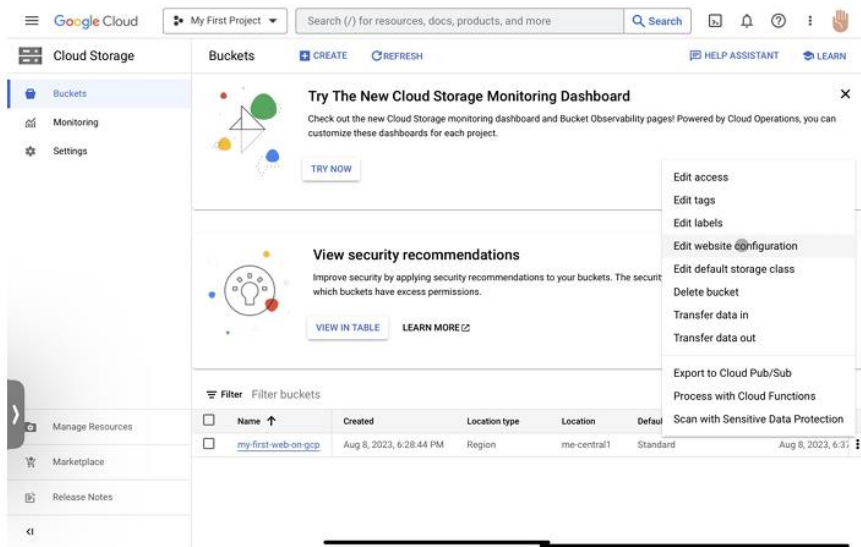
Filter

Filter buckets

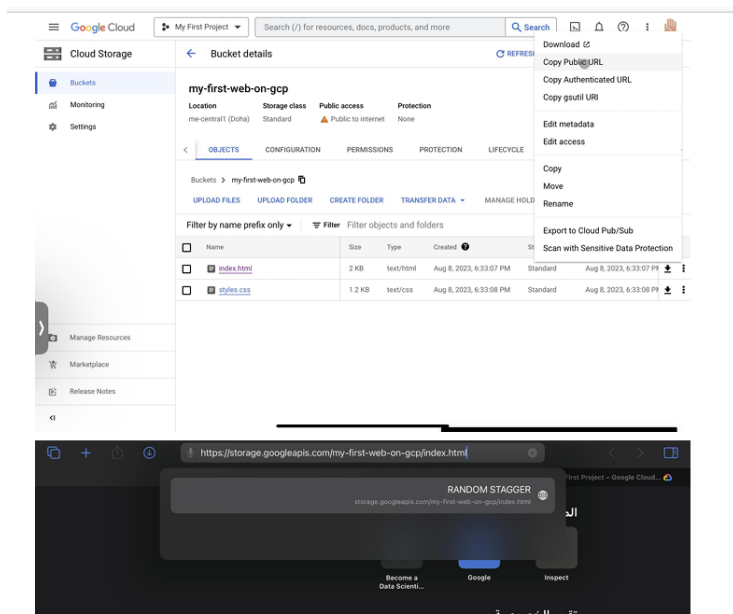
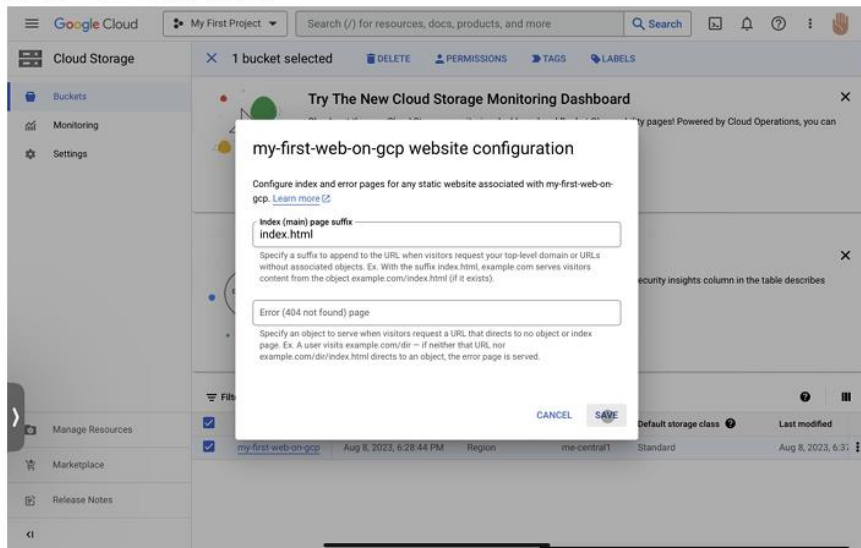
Filter

| <input type="checkbox"/> | Name                | Created                 | Location type | Location    | Default storage class | Last modified           |
|--------------------------|---------------------|-------------------------|---------------|-------------|-----------------------|-------------------------|
| <input type="checkbox"/> | my-first-web-on-gcp | Aug 8, 2023, 6:28:44 PM | Region        | me-central1 | Standard              | Aug 8, 2023, 6:37:11 PM |

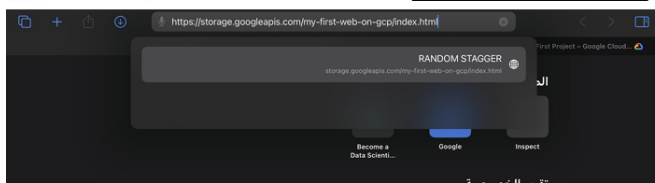
More actions for my-first-web-on-gcp



Write the main file.



Finally go to your index.html and copy the URL.



## first static website on GCP

