

# GOOGL CLOUD PLATFORM PROJECT

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

BY SHAHAD BAELAYAN

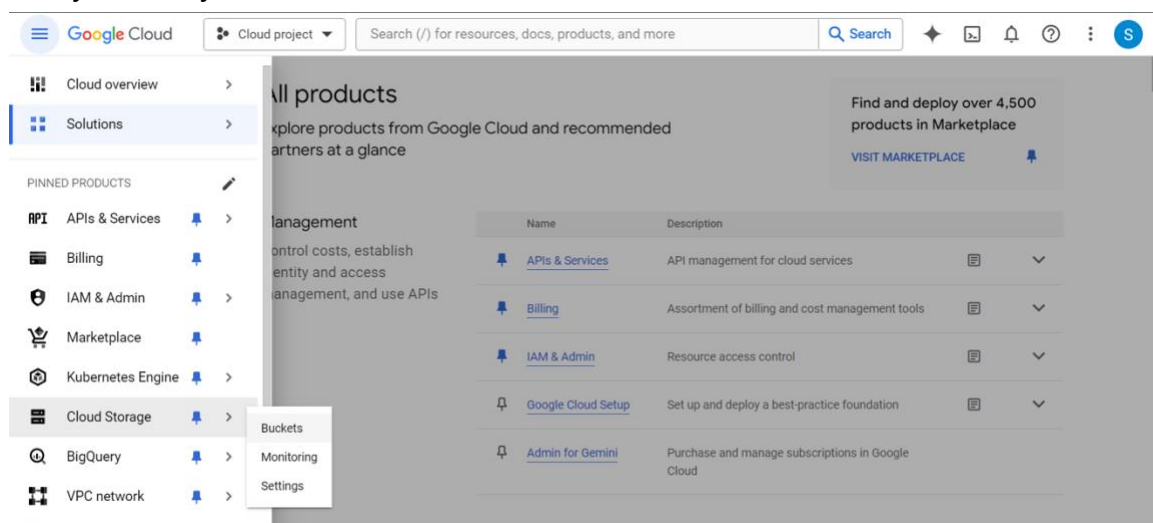
### GUIDELINES:

- First make your own GCP account.
- second after you make your account go to cloud storage and create your first bucket.
- third upload your website and enable public access.

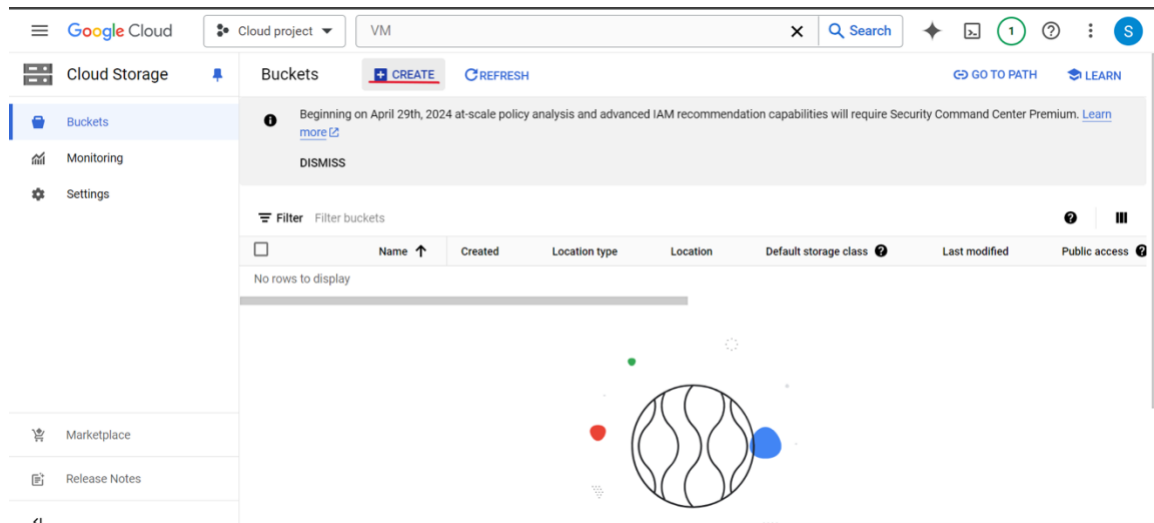
### HANDS-ON-DECK \$:~

Bucket settings:

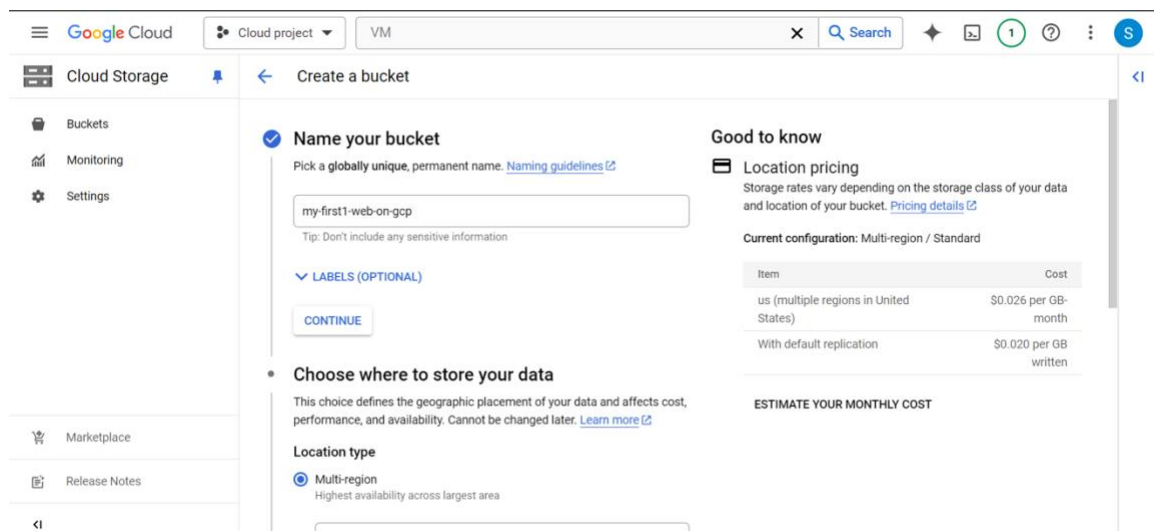
here you make your first Bucket.



And click on create.



The bucket settings.



## Choose the region.

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Cloud Storage Buckets Monitoring Settings

### Create a bucket

✓ **Name your bucket**  
Name: my-first1-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**

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Cloud Storage Buckets Monitoring Settings

### Create a bucket

• **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 Standard or Nearline class 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.
  - ☒ 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

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

**ESTIMATE YOUR MONTHLY COST**

Google Cloud Cloud project VM Search

Cloud Storage Buckets Monitoring Settings

### Create a bucket

• **Choose how to control access to objects**

**Prevent public access**  
Restrict data from being publicly accessible via the internet. Will prevent this bucket from being used for web hosting. [Learn more](#)

☐ Enforce public access prevention on this bucket

**Access control**

- ☐ Uniform  
Ensure uniform access to all objects in the bucket by using only bucket-level permissions (IAM). This option becomes permanent after 90 days. [Learn more](#)
- ☒ Fine-grained  
Specify access to individual objects by using object-level permissions (ACLs) in addition to your bucket-level permissions (IAM). [Learn more](#)

CONTINUE

• **Choose how to protect object data**  
Soft delete policy: Enabled  
Object versioning: Disabled

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

**ESTIMATE YOUR MONTHLY COST**

Now click create.

Google Cloud Cloud project VM Search

Cloud Storage Buckets Monitoring Settings

Create a bucket

name: my-first-web-on-gcp

- ✓ Choose where to store your data  
Location: me-central1 (Doha)  
Location type: Region
- ✓ Choose a storage class for your data  
Default storage class: Standard
- ✓ Choose how to control access to objects  
Public access prevention: Off  
Access control: Fine-grained
- ✓ Choose how to protect object data  
Soft delete policy: Enabled  
Object versioning: Disabled  
Bucket retention policy: Disabled  
Object retention: Disabled  
Encryption type: Google-managed

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

PROCESSING... CANCEL

Bucket console:

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

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Cloud Storage Buckets Monitoring Settings

Bucket details

GO TO PATH REFRESH LEARN

my-first-web-on-gcp Standard subject to object ACLs Soft Delete

OBJECTS CONFIGURATION PERMISSIONS PROTECTION LIFECYCLE OBSERVABILITY INVENTORY REPORTS

Folder browser

my-first-web-on-gcp

UPLOAD FILES UPLOAD FOLDER CREATE FOLDER TRANSFER DATA

MANAGE HOLDS EDIT RETENTION DOWNLOAD DELETE

Filter by name prefix only Filter objects and folders Show Live objects only

Name	Size	Type	Created	Storage class	Last modified	Public access
No rows to display						

Google Cloud Cloud project VM Search

Cloud Storage Buckets

my-first1-web-on-gcp

Location: me-central1 (Doha) Storage class: Standard Public access: Subject to object ACLs Protection: Soft Delete

OBJECTS CONFIGURATION PERMISSIONS PROTECTION LIFECYCLE OBSERVABILITY INVENTORY REPORTS

Folder browser

my-first1-web-on-gcp

UPLOAD FILES UPLOAD FOLDER CREATE FOLDER TRANSFER DATA

MANAGE HOLDS EDIT RETENTION DOWNLOAD DELETE

Filter by name prefix only Filter Filter objects and folders Show Live objects only

Name	Size	Type	Created
index.html	2.1 KB	text/html	May 9, 2024, 6:56:4

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

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Cloud Storage Buckets

my-first1-web-on-gcp

Location: me-central1 (Doha) Storage class: Standard Public access: Subject to object ACLs Protection: Soft Delete

OBJECTS CONFIGURATION PERMISSIONS PROTECTION LIFECYCLE OBSERVABILITY INVENTORY REPORTS

Permissions

Public access: Not public

Name	Public access	Version history	Encryption	Object retention retain u
index.html	Not public	6 PM	Google-managed	—

Click on permissions and follow the steps.

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Cloud Storage Bucket details GO TO PATH REFRESH LEARN

my-first1-web-on-gcp

Location: me-central1 (Doha) Storage class: Standard Public access: Subject to object ACLs Protection: Soft Delete

OBJECTS CONFIGURATION PERMISSIONS PROTECTION LIFECYCLE OBSERVABILITY INVENTORY REPORTS

Buckets > my-first1-web-on-gcp

UPLOAD FILES UPLOAD FOLDER CREATE FOLDER TRANSFER DATA MANAGE HOLDS EDIT RETENTION DOWNLOAD DELETE

Filter by name prefix only Filter objects and folders Show Live objects only

Name	Size	Type	Created	Storage class	Last modified
index.html	2.1 KB	text/html	May 9, 2024, 6:56:46 PM	Standard	May 9, 2024, 6:56:46 PM

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

Google Cloud Cloud project VM Search

Cloud Storage Bucket details GO TO PATH REFRESH LEARN

OBJECTS CONFIGURATION PERMISSIONS PROTECTION LIFECYCLE OBSERVABILITY INVENTORY REPORTS

Public access

Subject to object ACLs

One or more objects in this bucket could be public to the internet if they grant access to **allUsers** or **allAuthenticatedUsers**. Check each object's permissions to see if they are public. To streamline permissions, you can switch to uniform access control. If objects should never be publicly accessible, you should also prevent public access to this bucket. [Learn more](#)

PREVENT PUBLIC ACCESS

Access control

Fine-grained: Object-level ACLs enabled

Access to objects can be granted through object access control lists (ACLs). To enforce a single set of permissions on the bucket and its objects, switch to uniform bucket-level access control. [Learn more](#)

SWITCH TO UNIFORM

Permissions

VIEW BY PRINCIPALS VIEW BY ROLES

GRANT ACCESS REMOVE ACCESS

New principals choose allUsers.

Google Cloud Cloud project VM Search

Cloud Storage Bucket details GO TO PATH REFRESH LEARN

OBJECTS CONFIGURATION PERMISSIONS PROTECTION LIFECYCLE OBSERVABILITY INVENTORY REPORTS

Public access

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One or more objects in this bucket could be public to the internet if they grant access to **allUsers** or **allAuthenticatedUsers**. Check each object's permissions to see if they are public. To streamline permissions, you can switch to uniform access control. If objects should never be publicly accessible, you should also prevent public access to this bucket. [Learn more](#)

PREVENT PUBLIC ACCESS

Permissions

VIEW BY PRINCIPALS VIEW BY ROLES

GRANT ACCESS REMOVE ACCESS

Grant access to "my-first1-web-on-gcp"

Grant principals access to this resource and add roles to specify what actions the principals can take. Optionally, add conditions to grant access to principals only when a specific criteria is met. [Learn more about IAM conditions](#)

Resource

my-first1-web-on-gcp

Add principals

Principals are users, groups, domains, or service accounts. [Learn more about principals in IAM](#)

New principals \*

allUsers

Assign roles

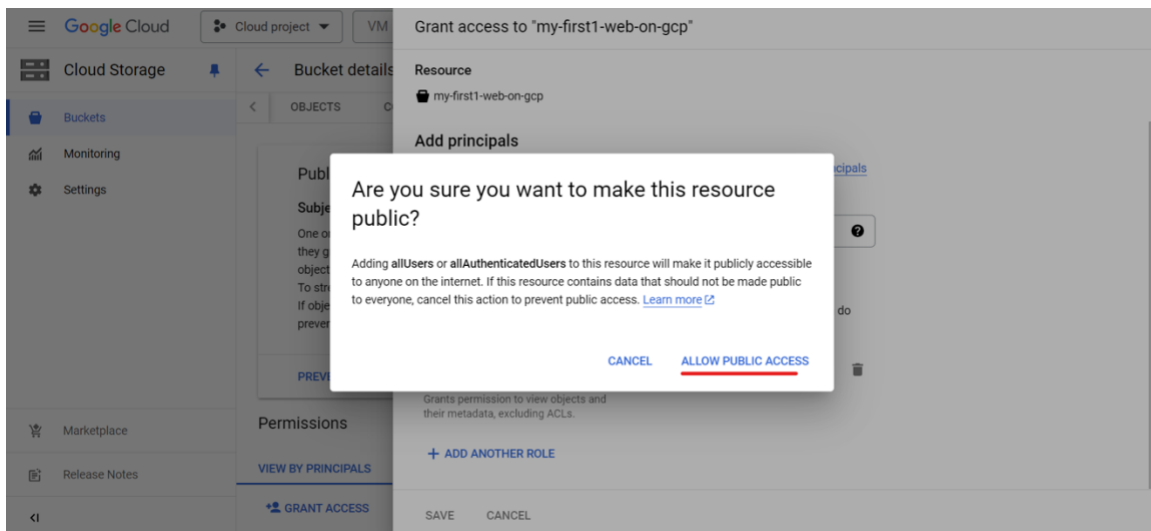
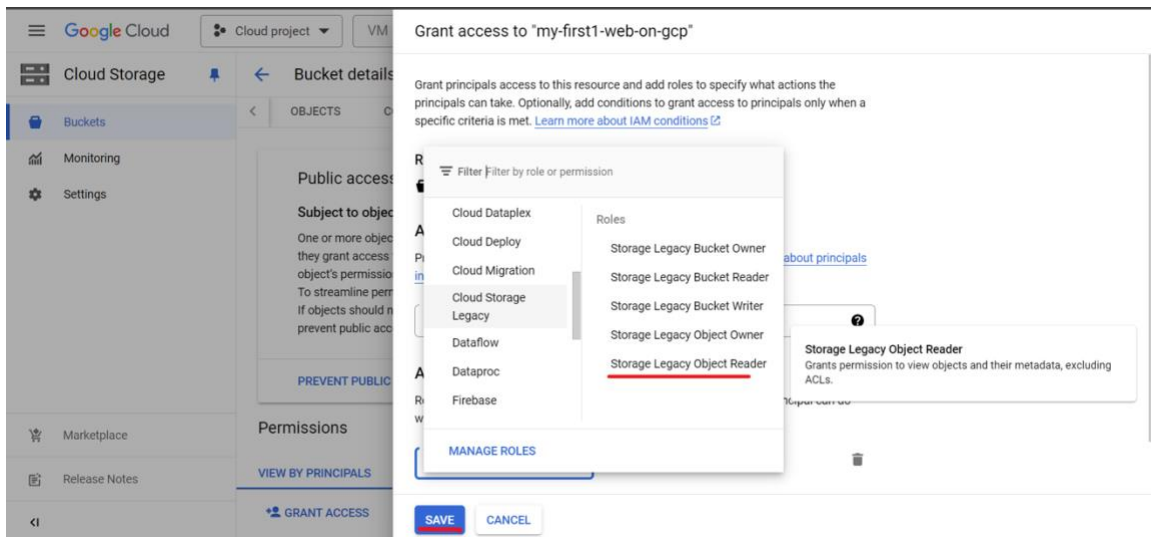
Roles are composed of sets of permissions and determine what the principal can do with this resource. [Learn more](#)

Select a role \*

IAM condition (optional) IAM conditions disabled

SAVE CANCEL

Now select the role and save the Grant access.



Get back to Objects and click refresh.

The screenshot shows the Google Cloud Storage 'Bucket details' page for the bucket 'my-first1-web-on-gcp'. The 'OBJECTS' tab is selected, displaying a table of objects. The object 'index.html' is listed with a size of 2.1 KB, type 'text/html', and a creation time of May 9, 2024, 6:56:46 PM. A notification at the bottom states 'Policy updated'.

Name	Size	Type	Created	Storage class	Last modified
index.html	2.1 KB	text/html	May 9, 2024, 6:56:46 PM	Standard	May 9, 2024, 6:56:46 PM

As we see now the website is public.

The screenshot shows the Google Cloud Storage 'Bucket details' page for the bucket 'my-first1-web-on-gcp'. The 'OBJECTS' tab is selected, displaying a table of objects. The object 'index.html' is listed with a size of 2.1 KB, type 'text/html', and a creation time of May 9, 2024, 6:56:46 PM. The 'Public access' column shows 'Public to internet'.

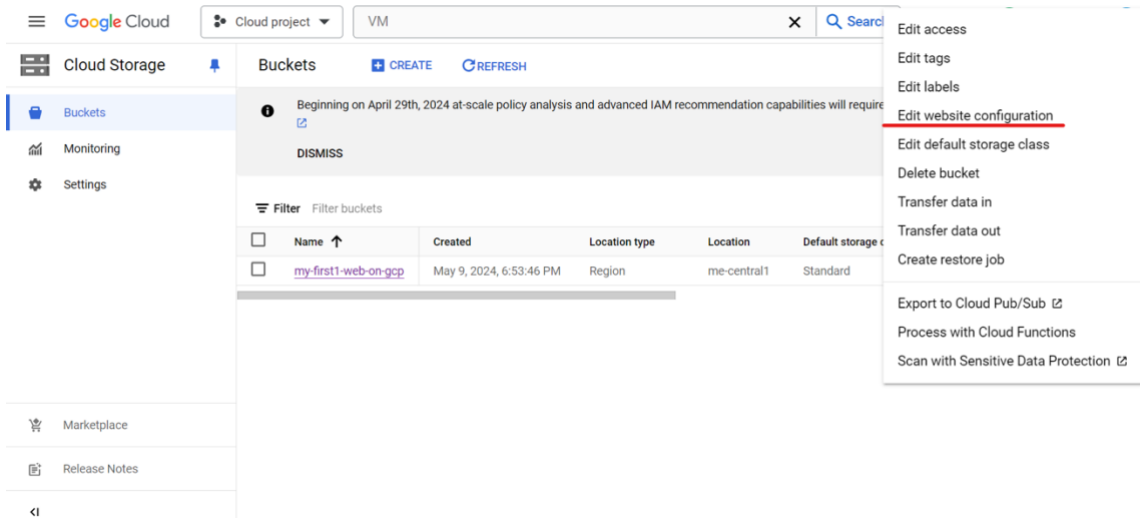
Name	Size	Type	Created	Storage class	Last modified	Public access
index.html	2.1 KB	text/html	May 9, 2024, 6:56:46 PM	Standard	May 9, 2024, 6:56:46 PM	Public to internet

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

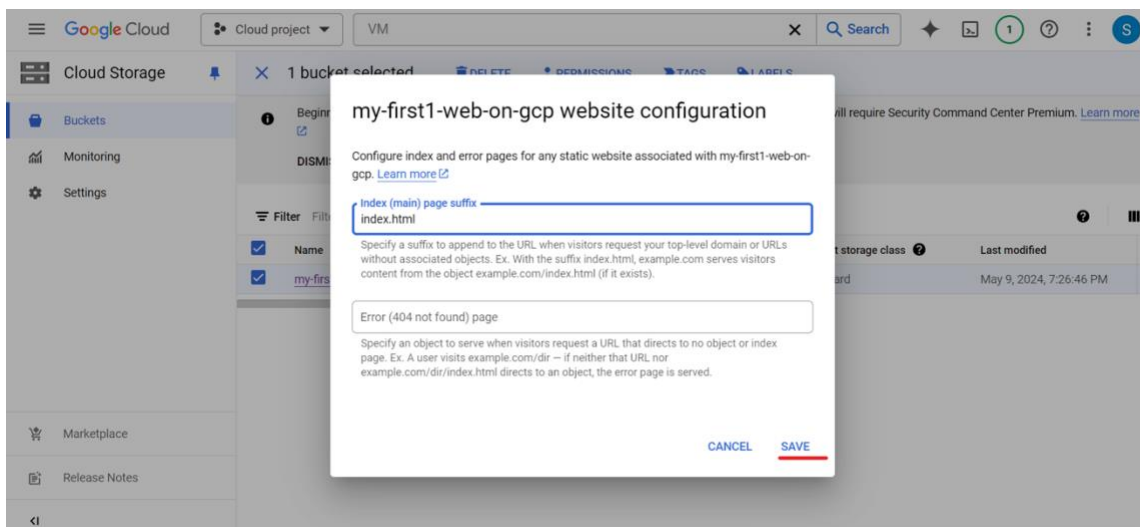
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Name	Size	Type	Created	Storage class	Last modified	Public access
index.html	2.1 KB	text/html	May 9, 2024, 6:56:46 PM	Standard	May 9, 2024, 6:56:46 PM	Public to internet

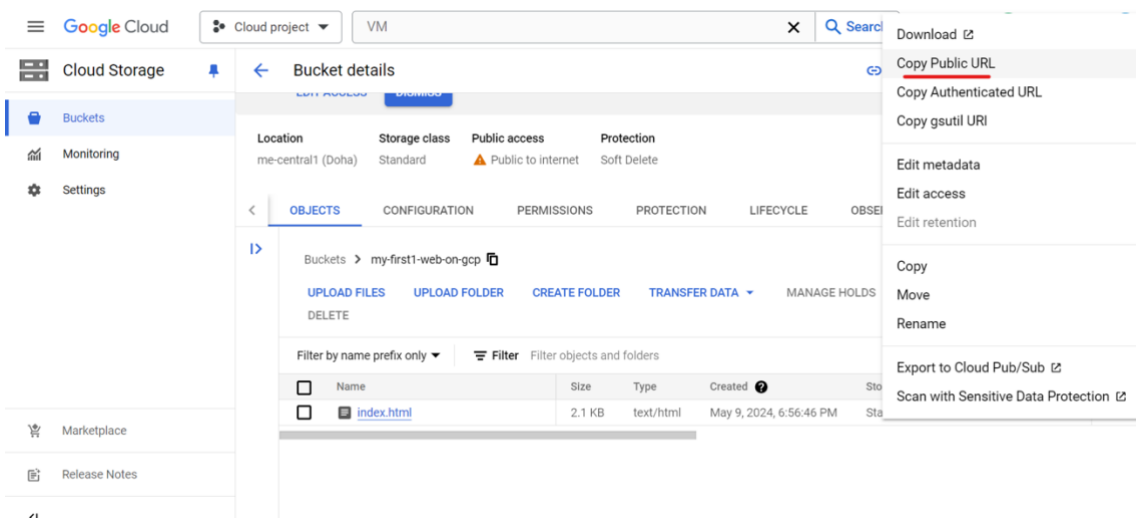




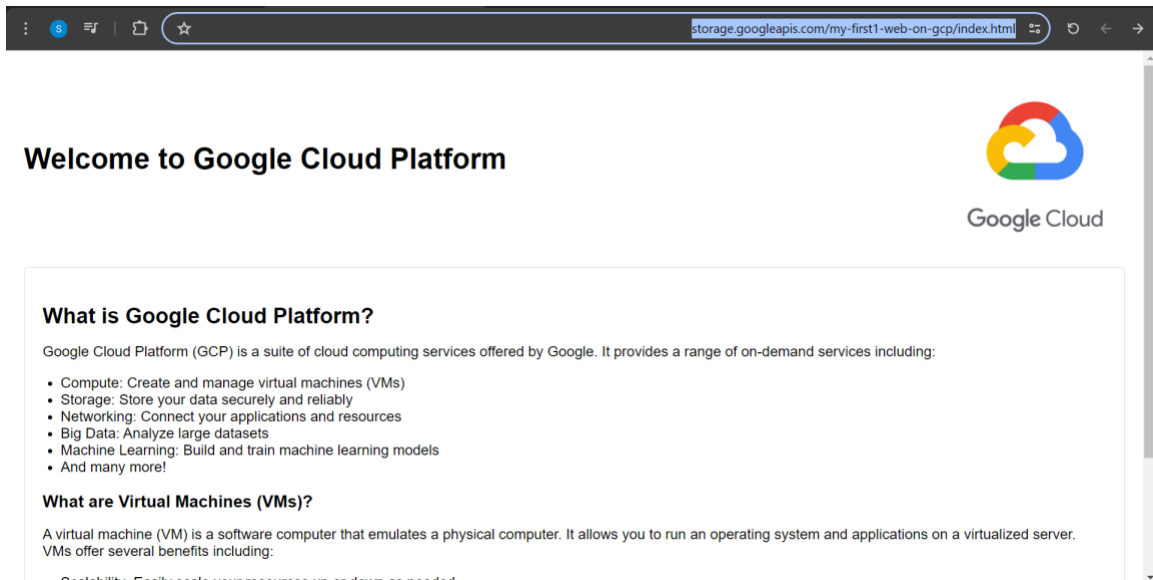
Write the main file.



Finally go to your index.html and copy the URL



Congratulations on the first static website on GCP.



I hope that the project will help you.