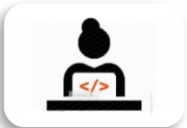





Google Cloud Platform project

**Deploy your static website on Google Cloud
(Cloud Storage)**

	Nouf Khaled Al - Homoud
	www.linkedin.com/in/nouf-al-homoud-146258262
	NoufKH8
	Nouf.k.alhomoud@gmail.com

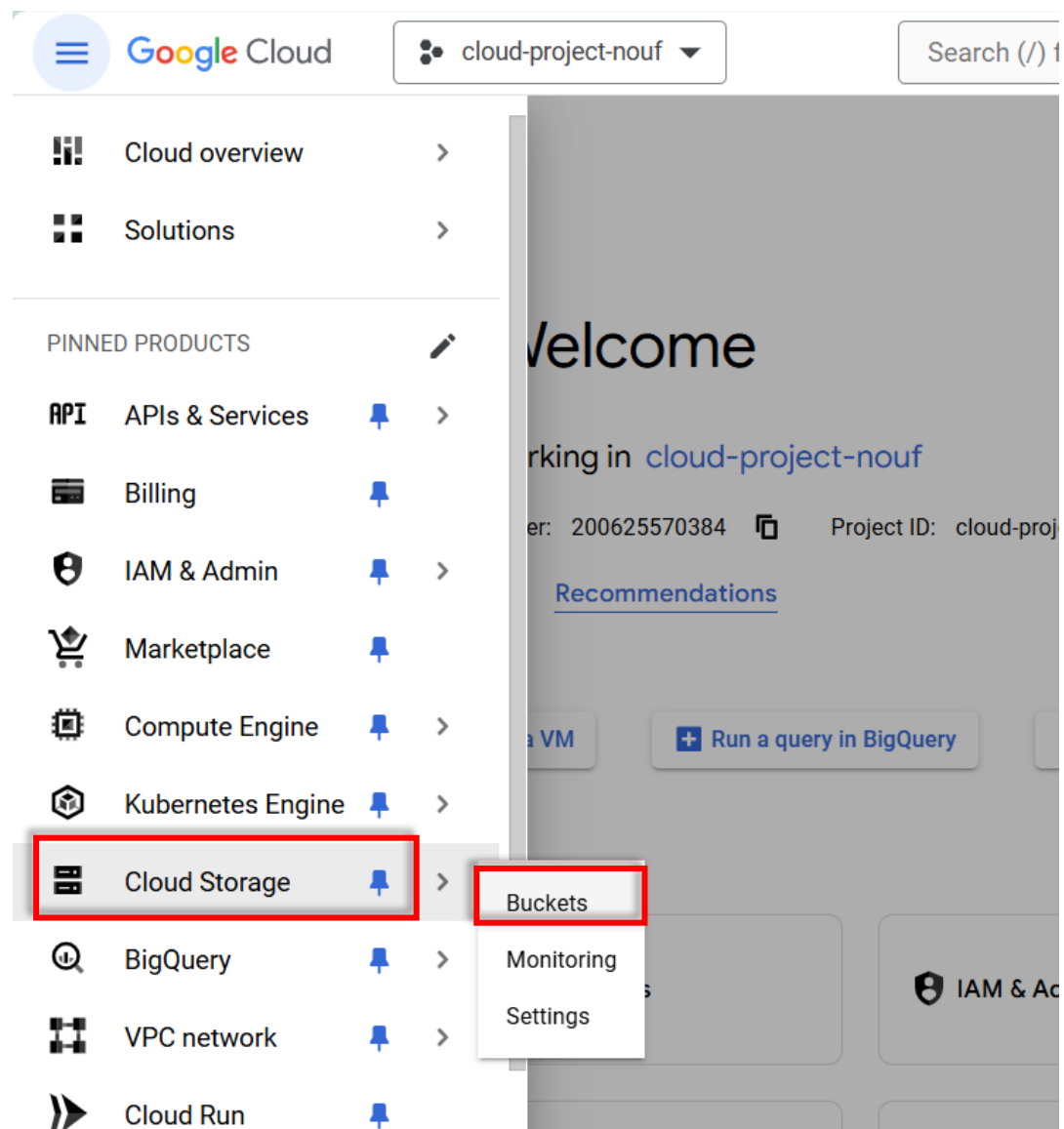
Guidelines:

- 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

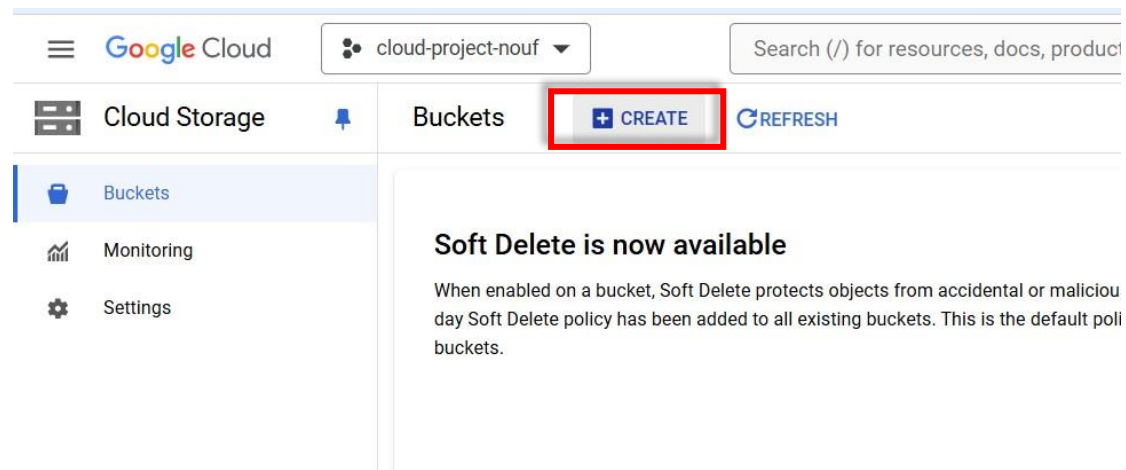
Hands-on-deck \$:~

Bucket settings:

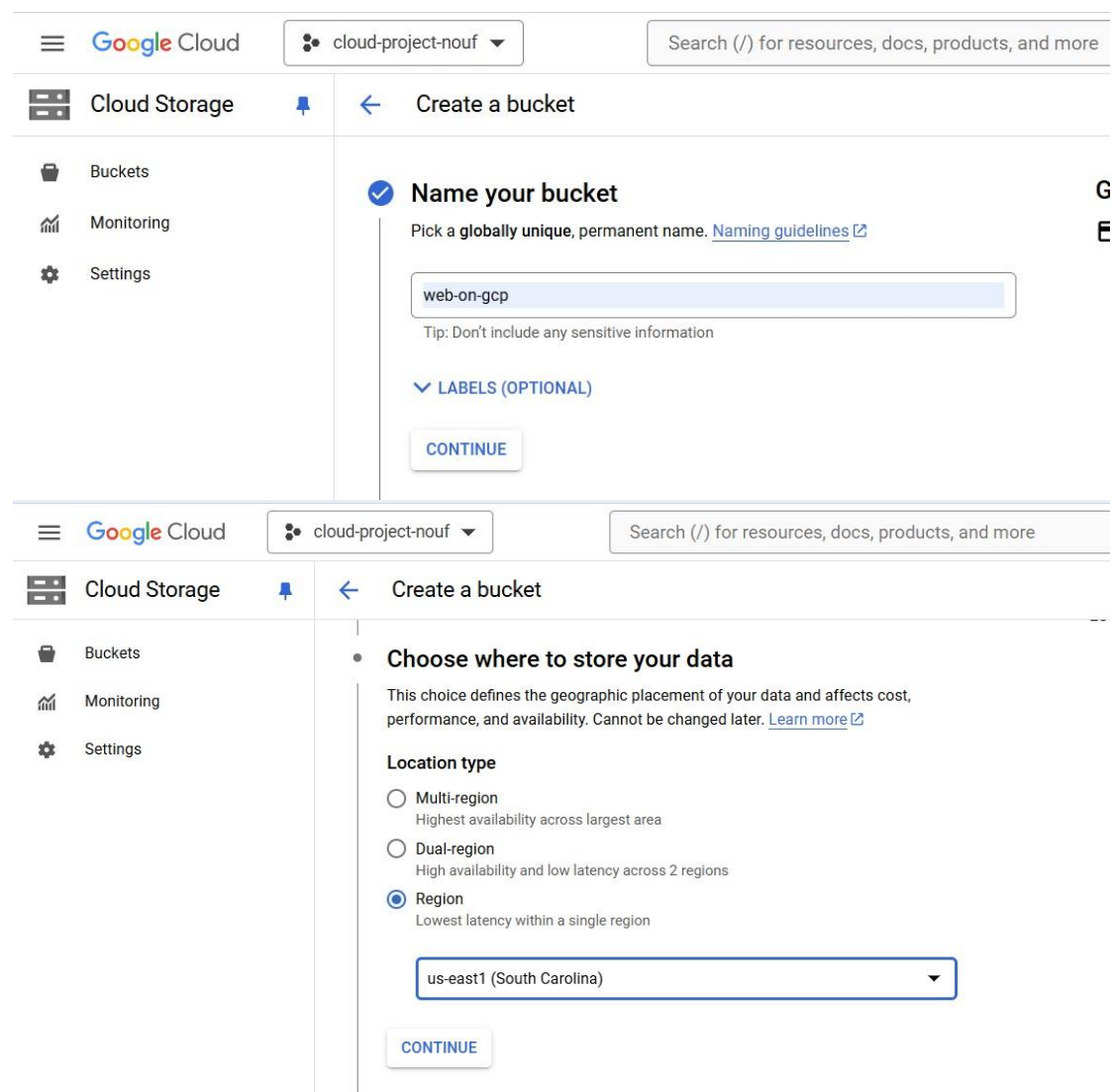
here you make your first Bucket.



And click on create.



The bucket settings.



cloud-project-nouf

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

Cloud Storage

Buckets

Monitoring

Settings

Marketplace

Release Notes

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

CONTINUE

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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

4

Now click create.

The screenshot shows the Google Cloud console interface for creating a new bucket. The left sidebar contains navigation links for Cloud Storage, Buckets, Monitoring, Settings, Marketplace, and Release Notes. The main content area is titled 'Create a bucket' and shows the first step: 'Choose how to protect object data'. Below this, there is a section for 'Data protection' with three options: 'Soft delete policy (For data recovery)' (checked), 'Object retention period' (set to 7 days), 'Object versioning (For version control)' (unchecked), and 'Retention (For compliance)' (unchecked). A 'DATA ENCRYPTION' section is partially visible. At the bottom, there are 'CREATE' and 'CANCEL' buttons, with the 'CREATE' button highlighted by a red rectangle.

Google Cloud cloud-project-nouf Search (/) for resources, docs, products, and more

Cloud Storage Buckets Monitoring Settings Marketplace Release Notes

Create a bucket

- **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 add extra layers of security.

Data protection

☒ **Soft delete policy (For data recovery)**
When enabled, deleted objects will be kept for a specified period after they're deleted and can be restored during this time. [Learn more](#)

Object retention period

Duration * 7 days

☐ **Object versioning (For version control)**
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 (For compliance)**
For preventing the deletion or modification of the bucket's objects for a specified period of time.

DATA ENCRYPTION

CREATE CANCEL

The screenshot shows the Google Cloud console interface for creating a new bucket, continuing from the previous step. The left sidebar is the same. The main content area is titled 'Create a bucket' and shows the second step: 'Name your bucket'. Below this, there are four sections: 'Name your bucket' (Name: web-on-gcp), 'Choose where to store your data' (Location: us-east1 (South Carolina), Location type: Region), 'Choose a storage class for your data' (Default storage class: Standard), and 'Choose how to control access to objects' (Public access prevention: On, Access control: Uniform). The 'Choose how to protect object data' section is also visible, showing 'Soft delete policy: Enabled', 'Object versioning: Disabled', 'Bucket retention policy: Disabled', 'Object retention: Disabled', and 'Encryption type: Google-managed'. At the bottom, there are 'PROCESSING...' and 'CANCEL' buttons.

Google Cloud cloud-project-nouf Search (/) for resources, docs, products, and more

Cloud Storage Buckets Monitoring Settings Marketplace Release Notes

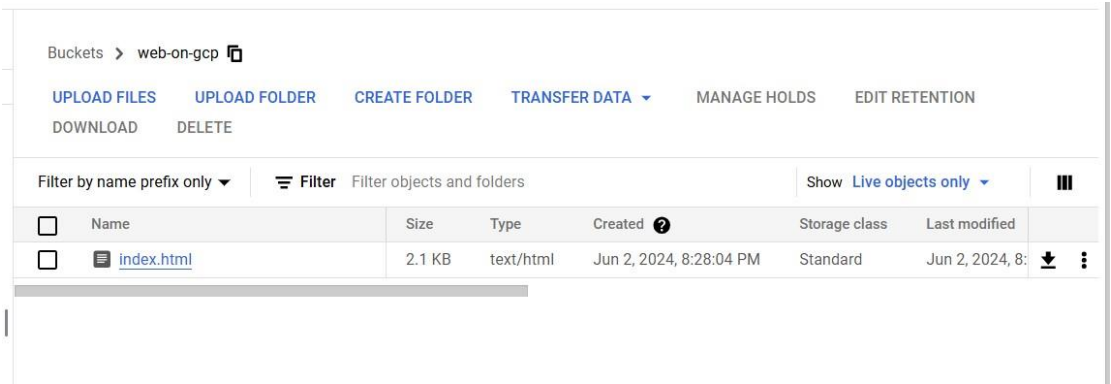
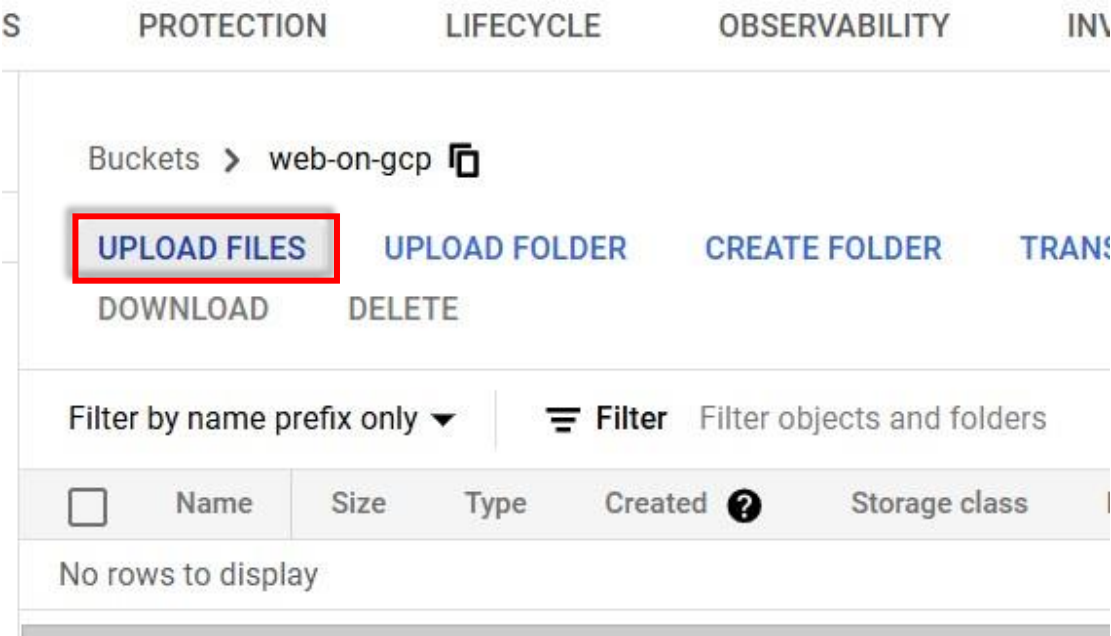
Create a bucket

- ✓ **Name your bucket**
Name: web-on-gcp
- ✓ **Choose where to store your data**
Location: us-east1 (South Carolina)
Location type: Region
- ✓ **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**
Soft delete policy: Enabled
Object versioning: Disabled
Bucket retention policy: Disabled
Object retention: Disabled
Encryption type: Google-managed

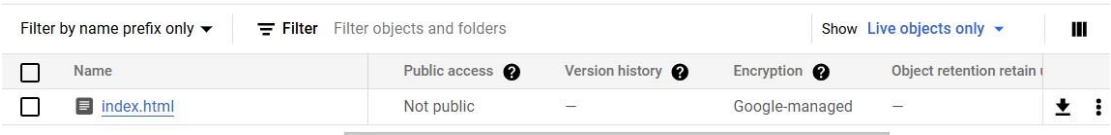
PROCESSING... CANCEL

Bucket console:

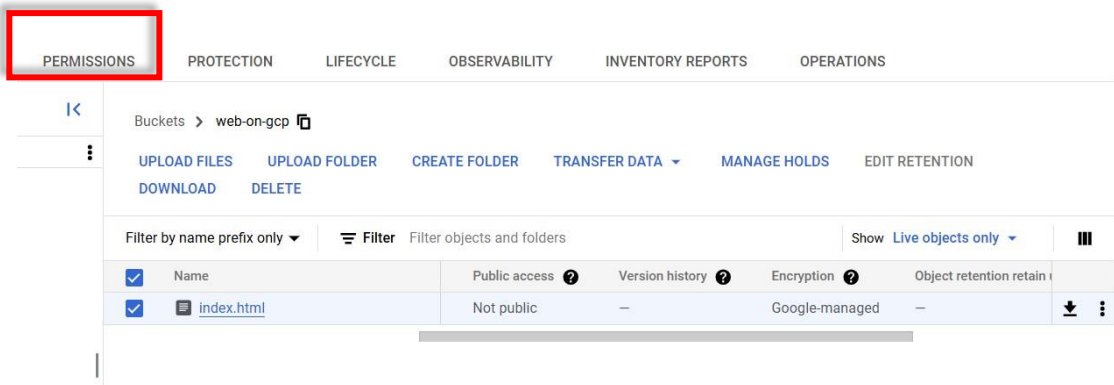
After we create our first bucket, we'll upload our website from click on the upload button.



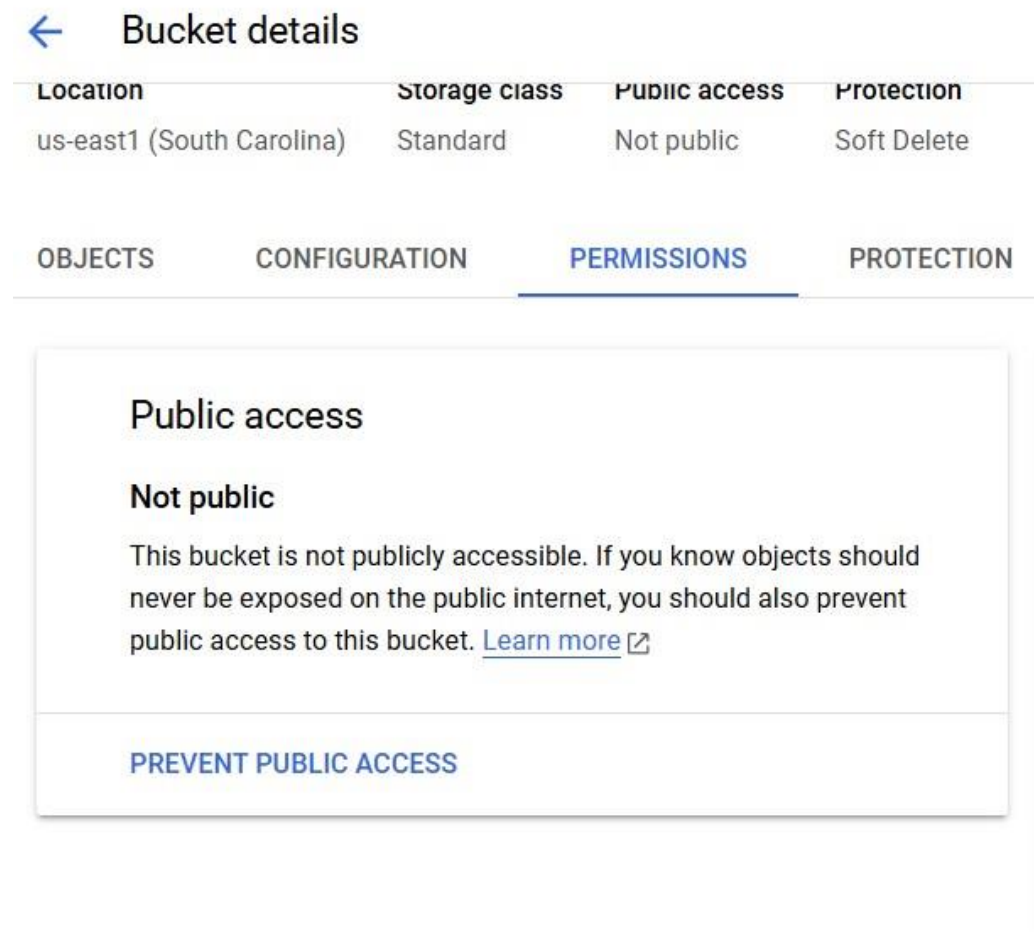
After we have uploaded the site, we have to make it public.



Click on permissions and follow the steps.



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




Permissions




New principal choose **allUsers**.

Add principals

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

New principals *  

Now select the role.

 Filter Filter by role or permission

Cloud Deploy	Roles
Cloud Migration	Storage Legacy Bucket Owner
Cloud Run	Storage Legacy Bucket Reader
Cloud Storage Legacy	Storage Legacy Bucket Writer
Dataflow	Storage Legacy Object Owner
Dataproc	Storage Legacy Object Reader
Firebase	

MANAGE ROLES

After that save the Grant access.

Grant access to "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

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](#)

Role *
Storage Legacy Object Reader

IAM condition (optional) ?
+ ADD IAM CONDITION

Grants permission to view objects and their metadata, excluding ACLs.

+ ADD ANOTHER ROLE

SAVE CANCEL

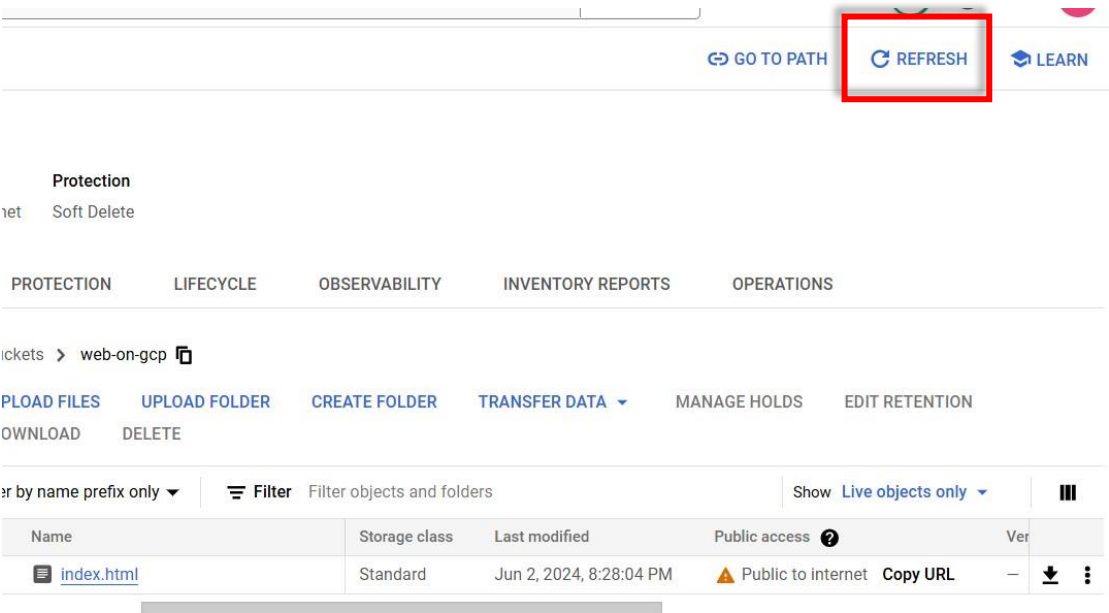
Are you sure you want to make this resource public?

Adding allUsers or allAuthenticatedUsers to this resource will make it publicly accessible to anyone on the internet. If this resource contains data that should not be made public to everyone, cancel this action to prevent public access. [Learn more](#)

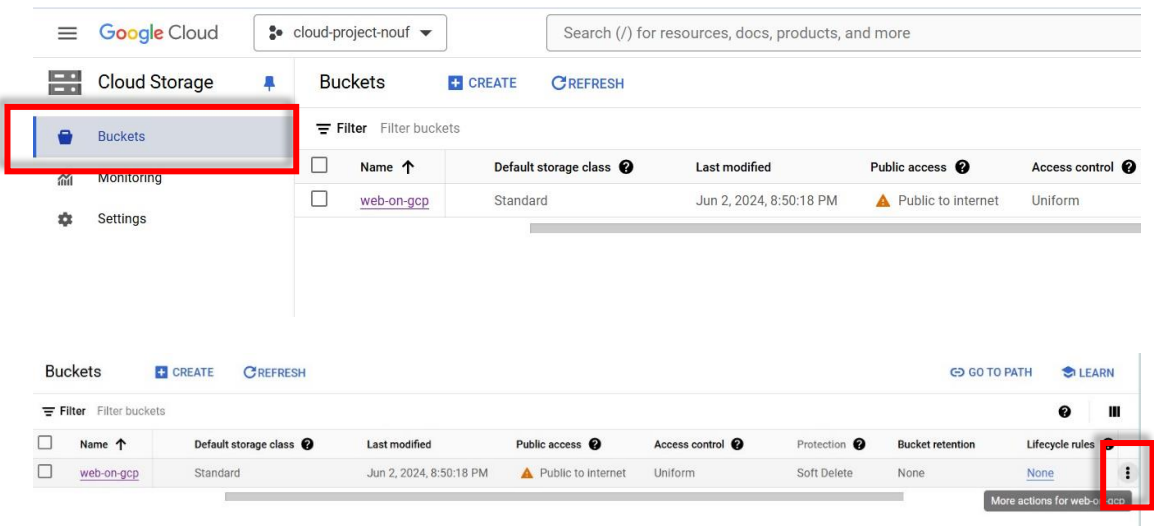
CANCEL ALLOW PUBLIC ACCESS

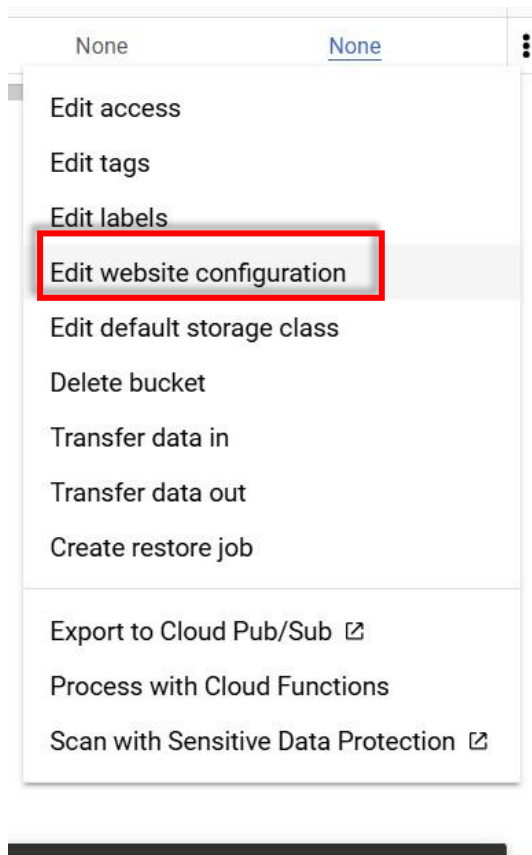
Get back to Objects and click refresh.

As we see now the website is public.

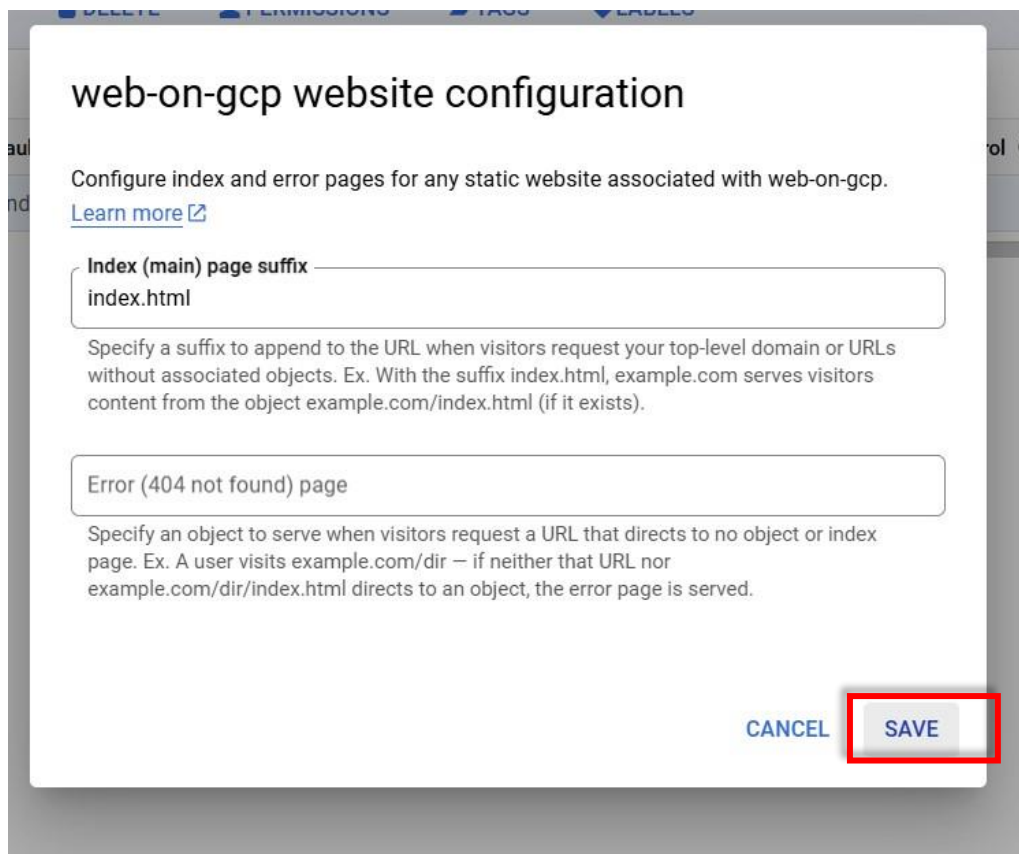


Return to the bucket and select the three dots button and do the following.





Write the main file.



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

GO TO PATHREFRESHLEARN

Protection
netSoft Delete

PROTECTIONLIFECYCLEOBSERVABILITYINVENTORY REPORTSOPERATIONS

ickets > web-on-gcp

LOAD FILESUPLOAD FOLDERCREATE FOLDERTRANSFER DATA MANAGE HOLDSEDIT RETENTION
OWNLOADDELETE

ar by name prefix onlyFilterFilter objects and foldersShow Live objects only

Name	Storage class	Last modified	Public access	Ver
index.html	Standard	Jun 2, 2024, 8:28:04 PM	Public to internetCopy URL	—

Download

Copy Public URL

Copy Authenticated URL

Copy gsutil URI

Edit metadata

Edit access

Edit retention

Copy

Move

Rename

Export to Cloud Pub/Sub

Scan with Sensitive Data Protection

Public to internetCopy URL—

Congratulations on the first static website on GCP.

Welcome to Google Cloud Platform



What is Google Cloud Platform?

Google Cloud Platform (GCP) is a suite of cloud computing services offered by Google. It provides a range of on-demand services including:

- Compute: Create and manage virtual machines (VMs)
- Storage: Store your data securely and reliably
- Networking: Connect your applications and resources
- Big Data: Analyze large datasets
- Machine Learning: Build and train machine learning models
- And many more!

What are Virtual Machines (VMs)?

A virtual machine (VM) is a software computer that emulates a physical computer. It allows you to run an operating system and applications on a virtualized server. VMs offer several benefits including:

- Scalability: Easily scale your resources up or down as needed
- Cost-effectiveness: Pay only for the resources you use
- Flexibility: Deploy different types of VMs for different applications
- Isolation: Applications running on VMs are isolated from each other

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I hope that the project will help you.