Google Cloud Platform Project

Deploy your static website on google cloud (cloud Storage)
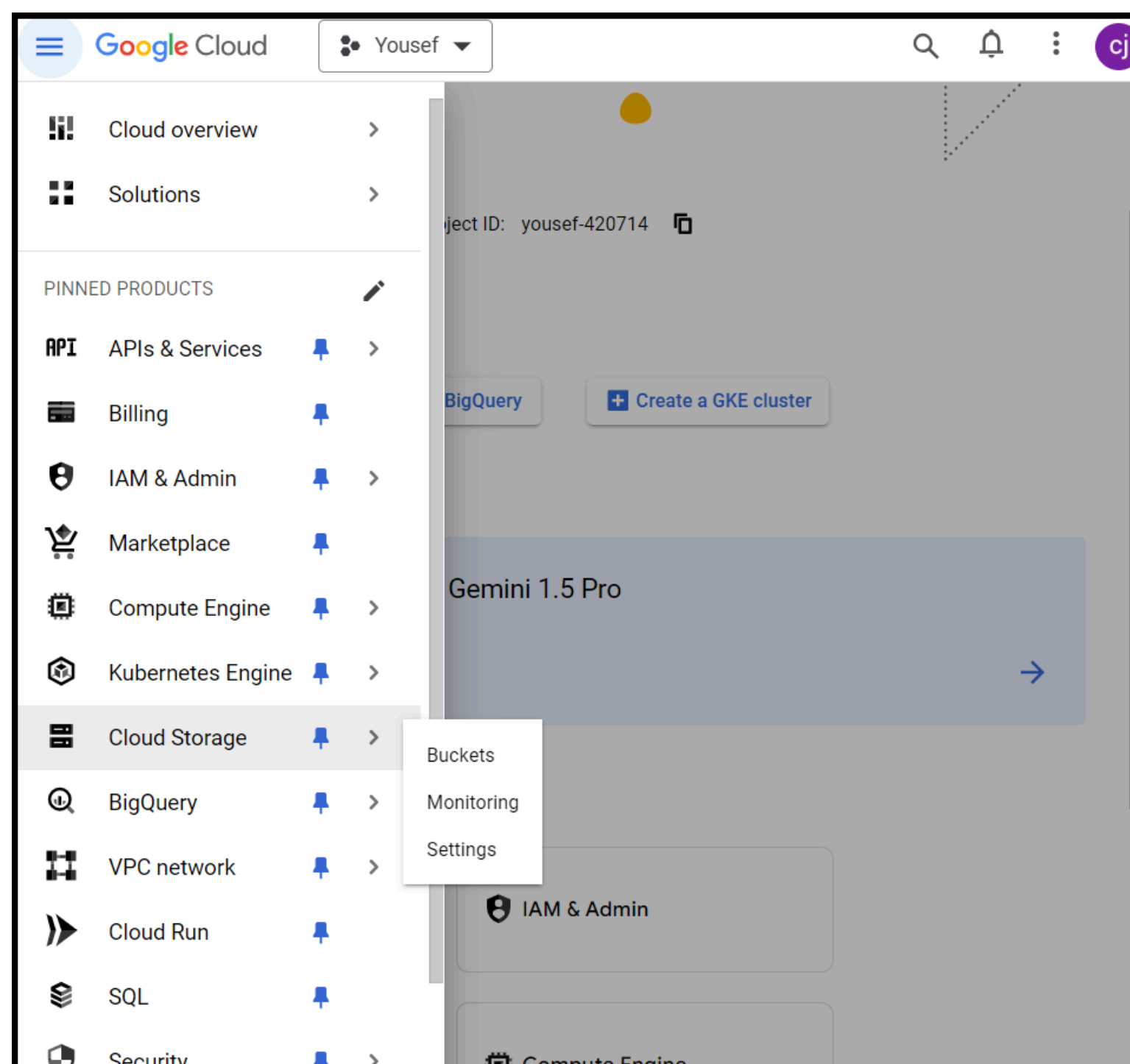
- ## **General Instruction:**
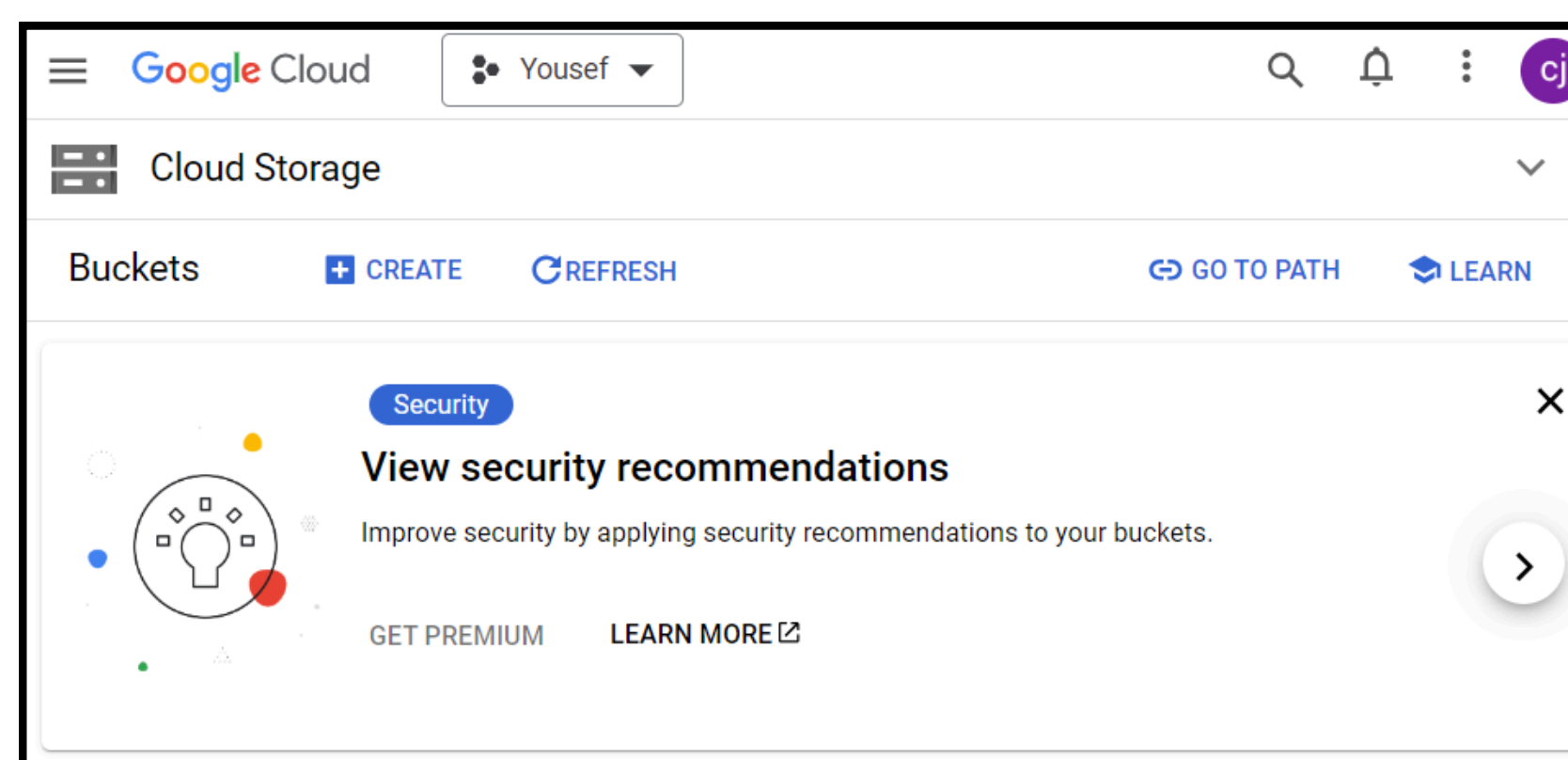
  1 - Make your own GCP account

  2 - after you make your account go to cloud storage and create your first bucket

  3 - upload your website and enable public access

- ## **Bucket settings:**

  - here you can make your first Bucket , click on "**Cloud Storage**" Then click on "**Buckets**"

  - Then click on "**create**"

- This is bucket settings , please follow this steps:

1

← Create a bucket

Name your bucket

Pick a **globally unique**, permanent name. Naming guidelines ↗

cloud1lab2

Tip: Don't include any sensitive information

⌄ LABELS (OPTIONAL)

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: Multi-region / Standard

Item	Cost
us (multiple regions in United States)	$0.026 per GB-month

2

- **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

3

- **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

4

- **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

5

- **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

- Now click "**create**"

6

✓ **Name your bucket**
Name: cloud1lab2

✓ **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
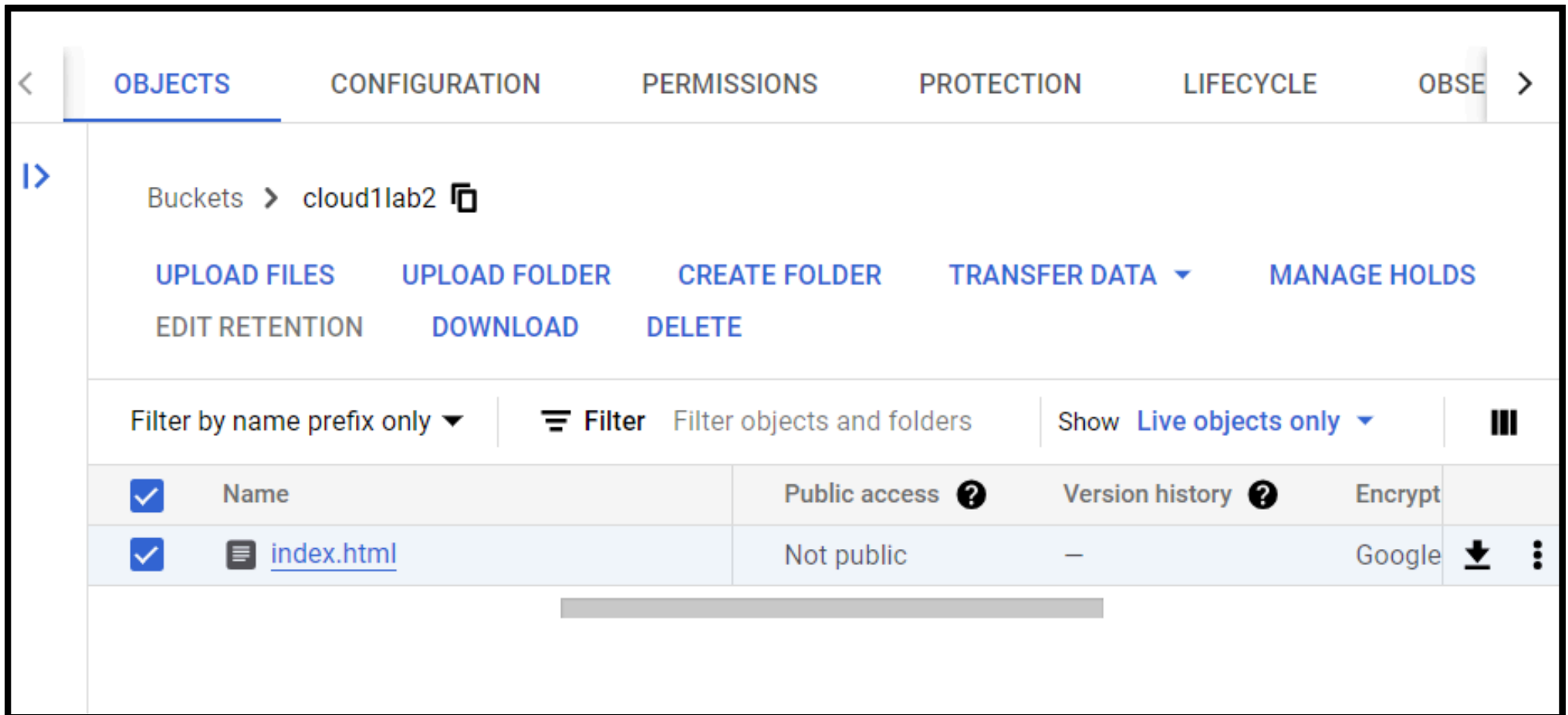Object retention: Disabled
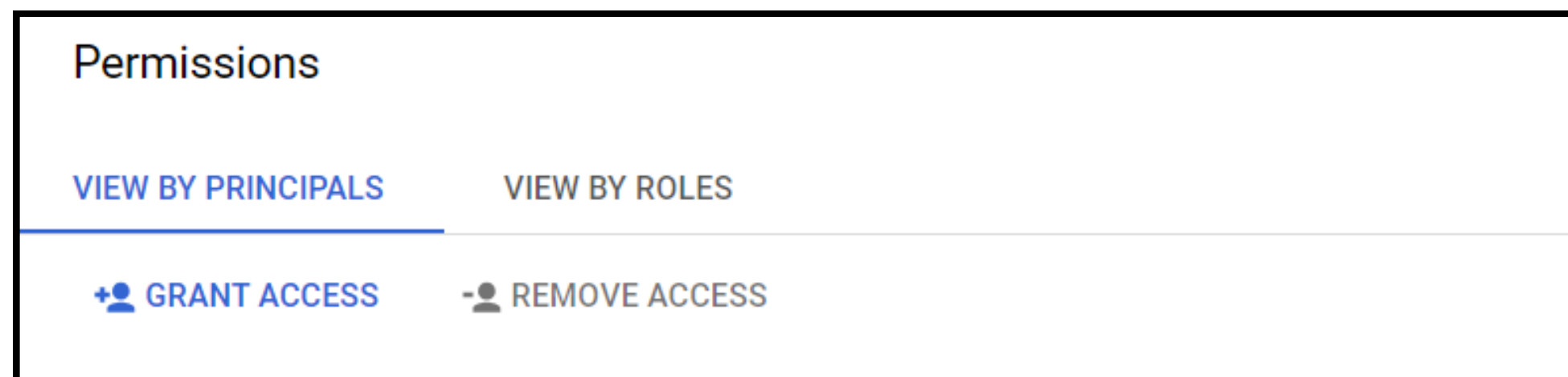Encryption type: Google-managed

⟳ PROCESSING...   CANCEL

- ## **Bucket console:**

  - After we create our first bucket , we will upload our website by clicking on "**Upload Files**"
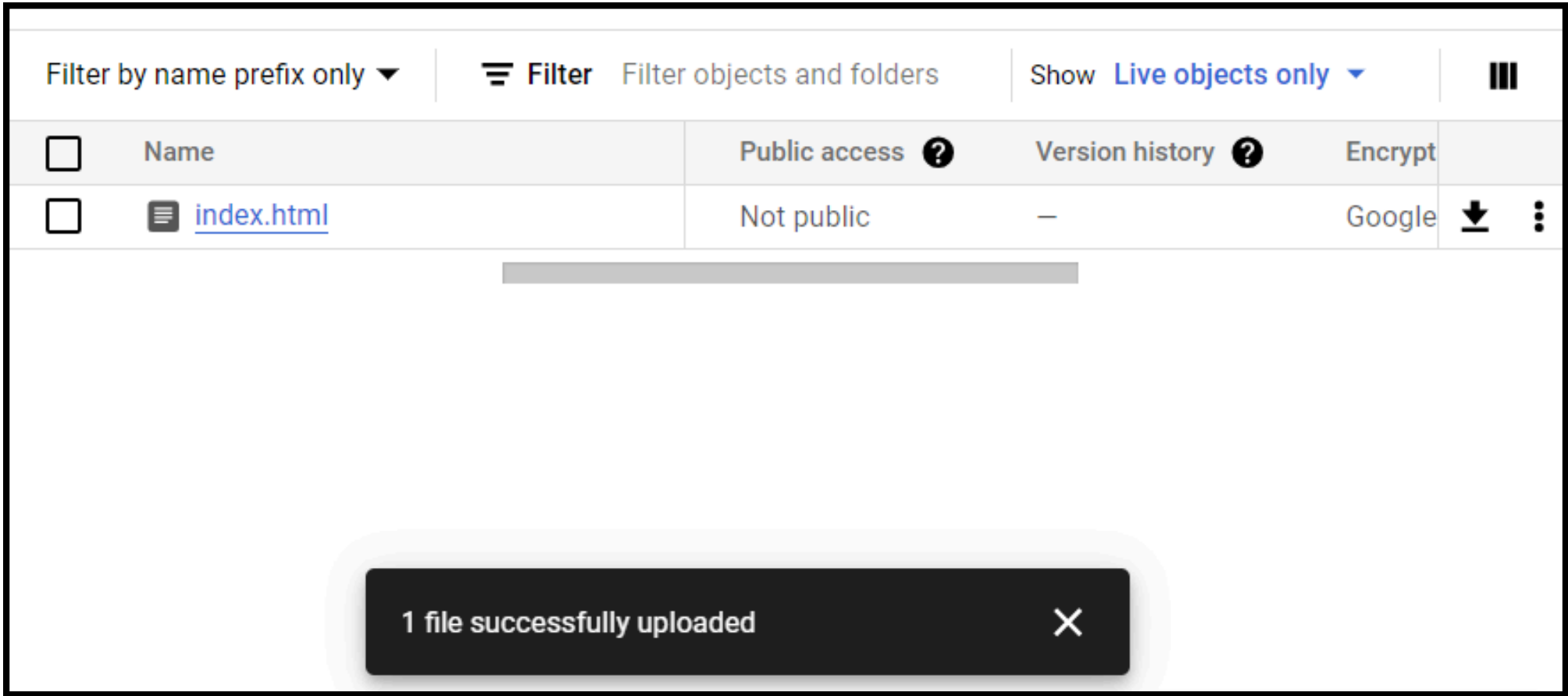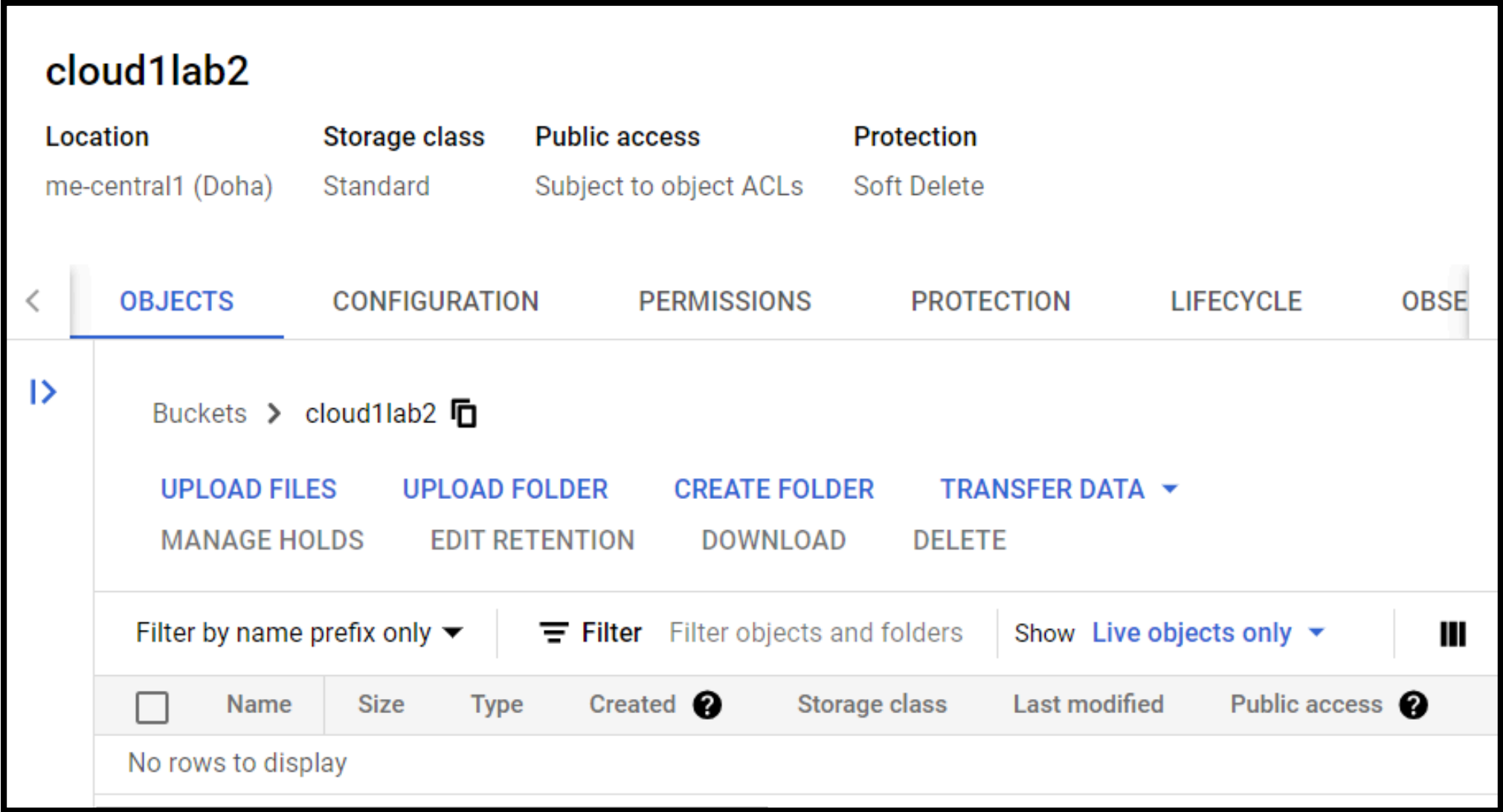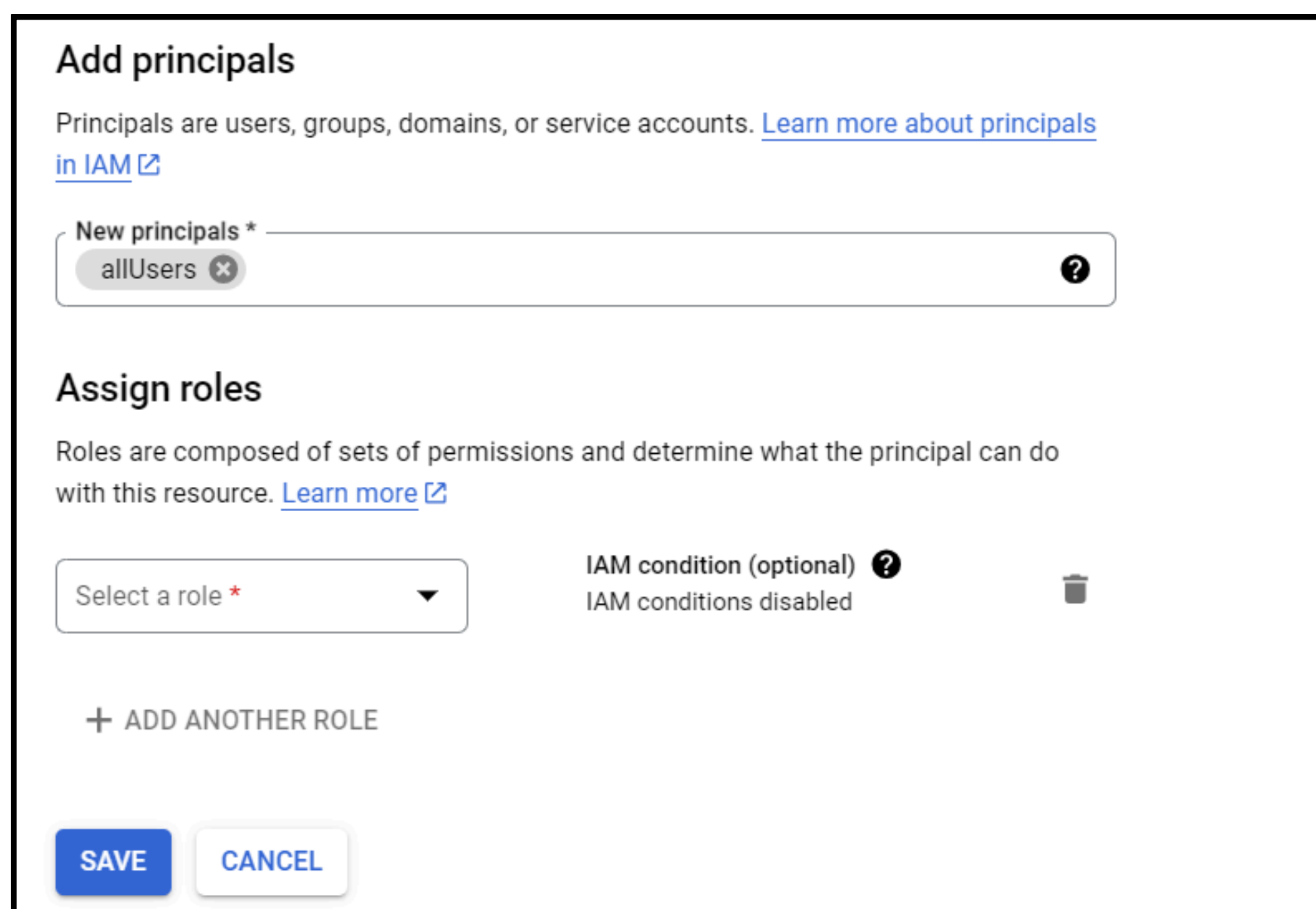

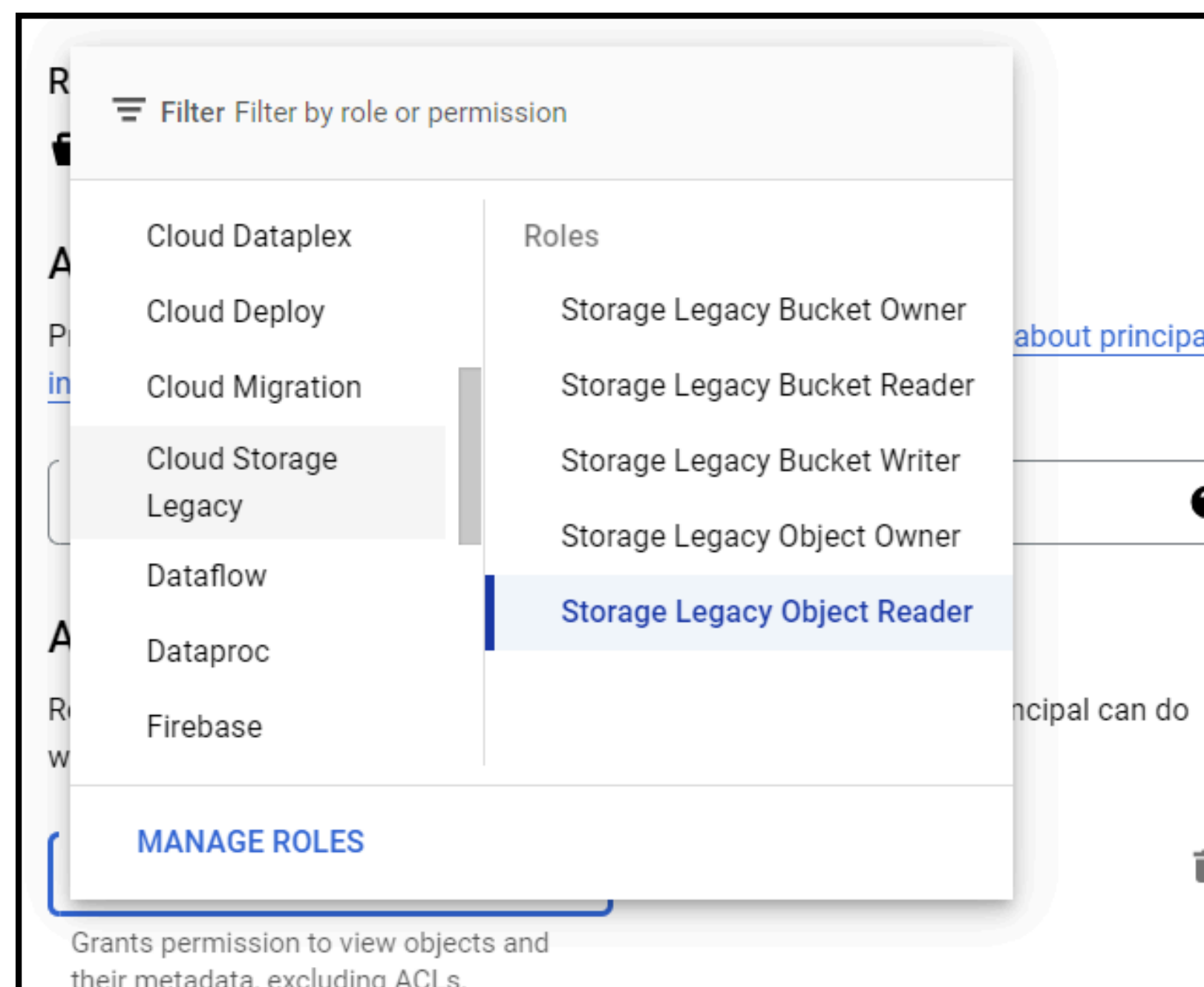 - After we uploaded the site , we have to make it public , so click on "**permissions**"

- After you select the files click on "**permissions**" then click on "**Grant access**"

- Now principal choose "**allUsers**"

- Then select the rule

- After that save the Grant access
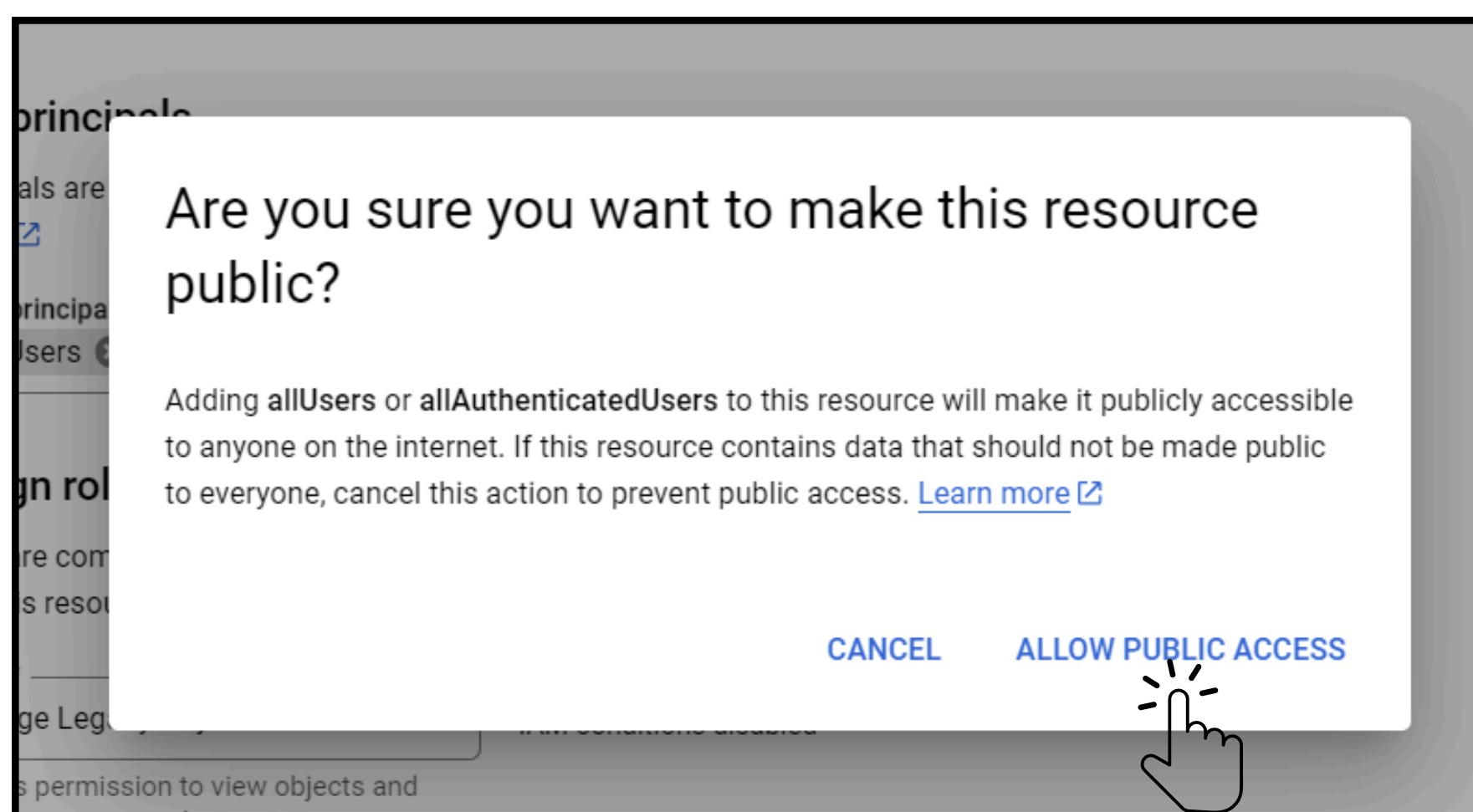
- Get back to objects and click "**refresh**"
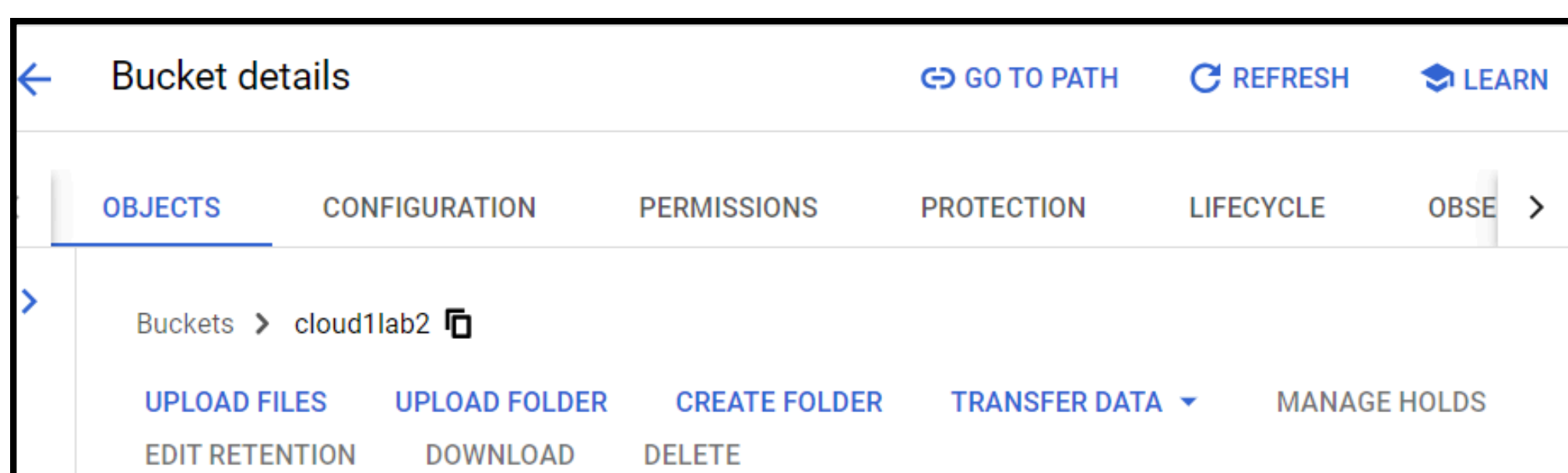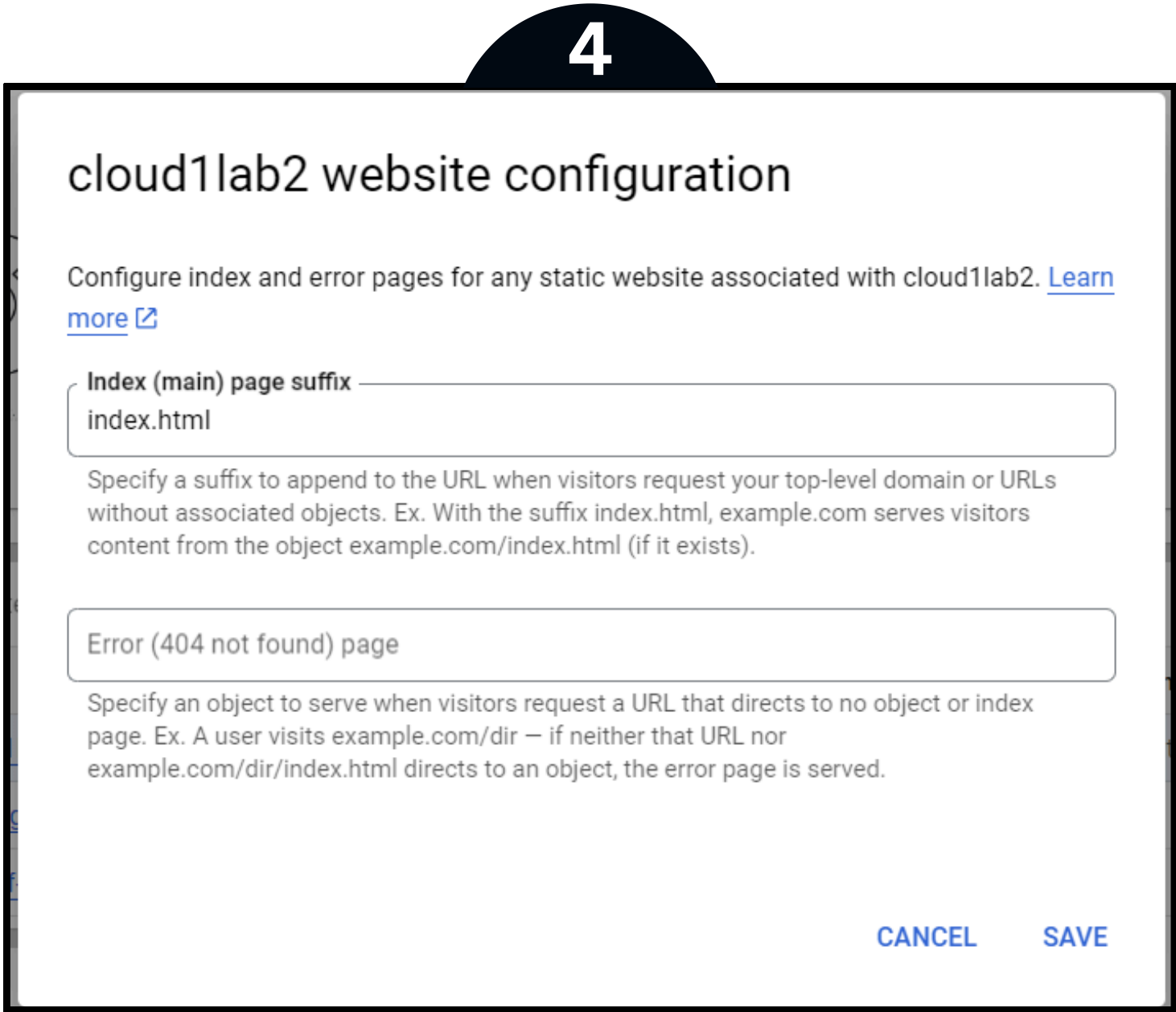
- As we can see now, the site has gone public
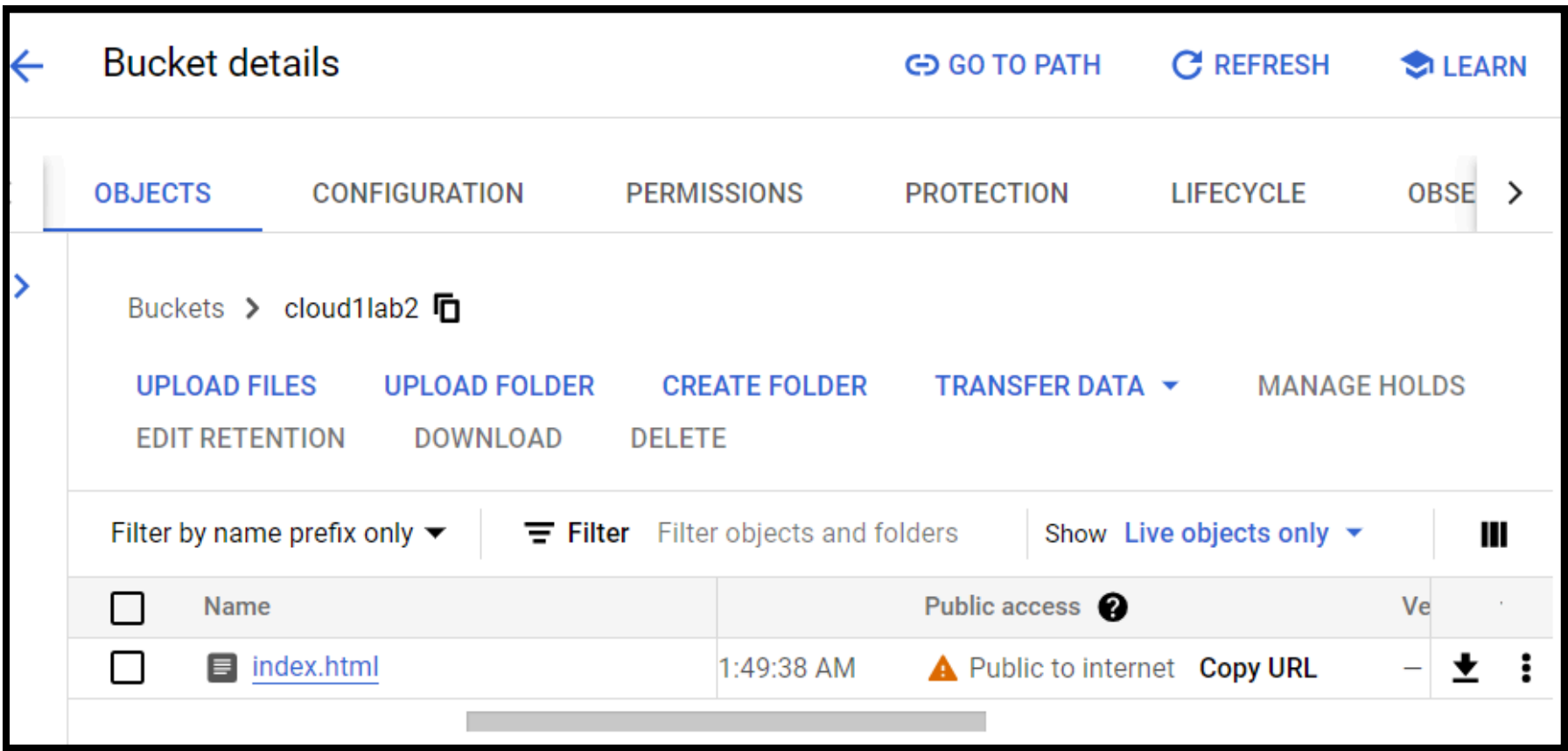
- Return to the bucket and select the three dots button and do the following:
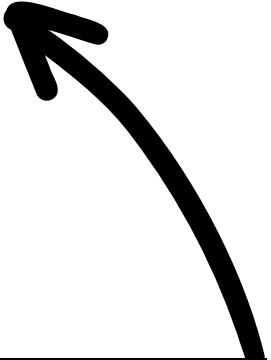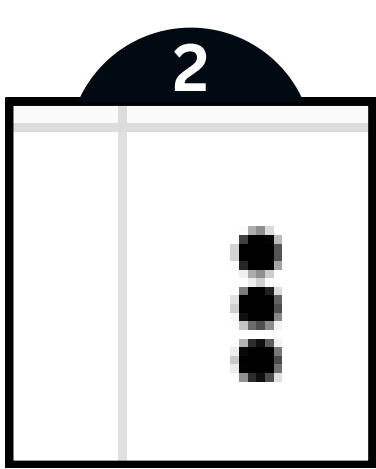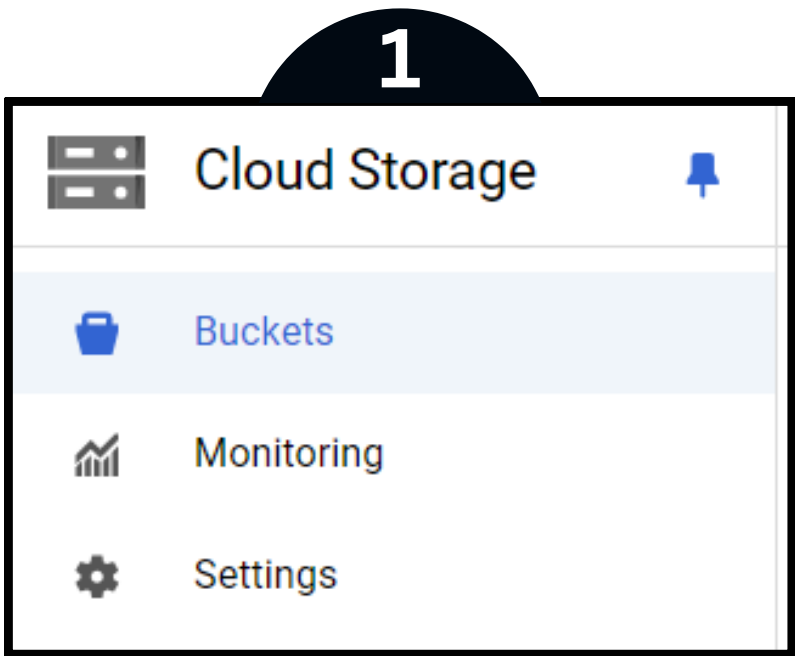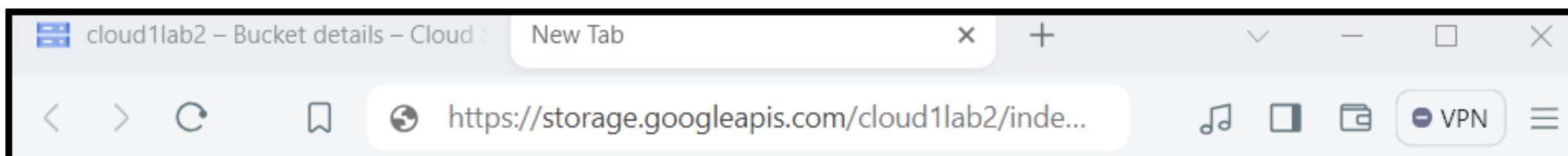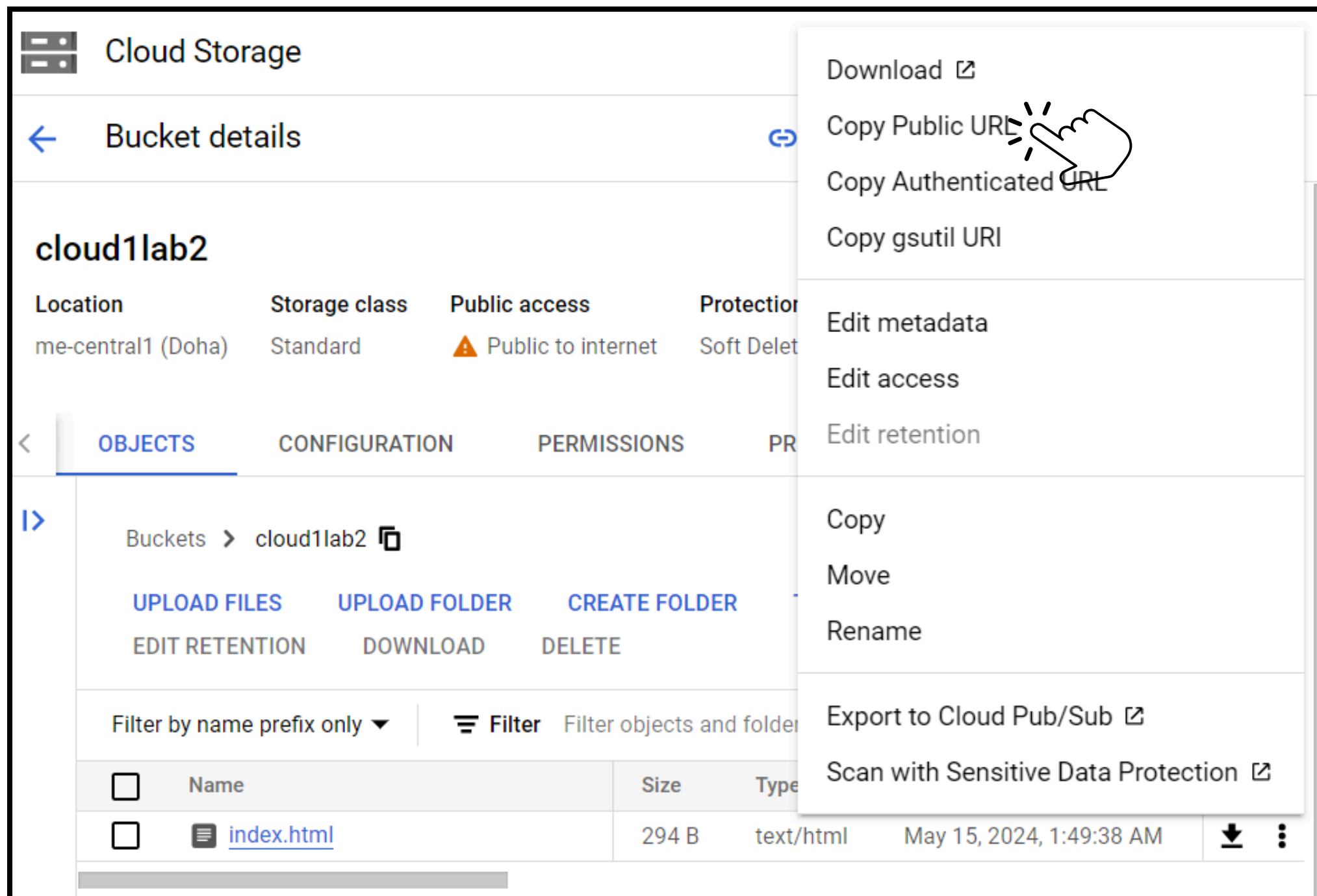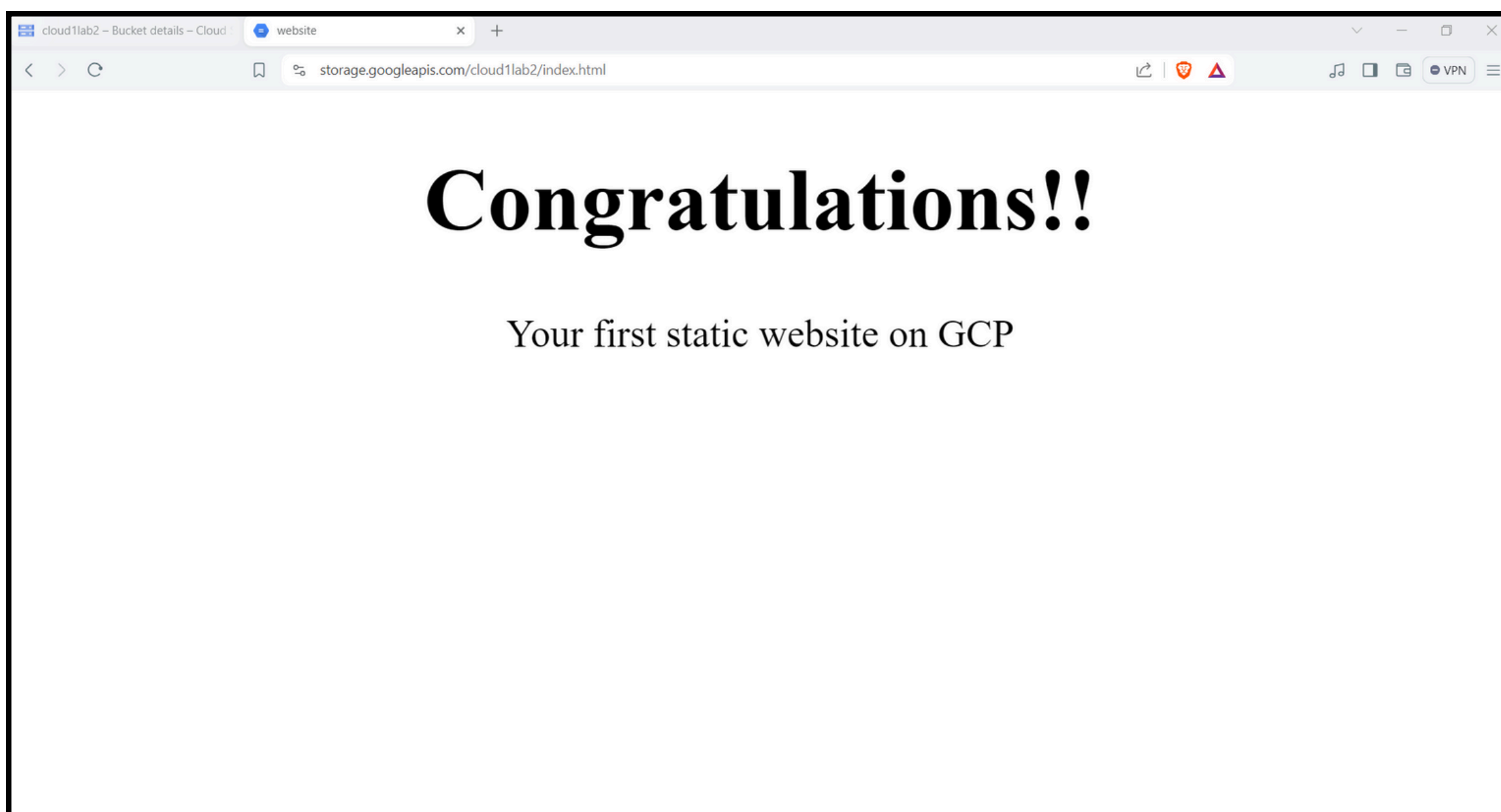

- Write the main file
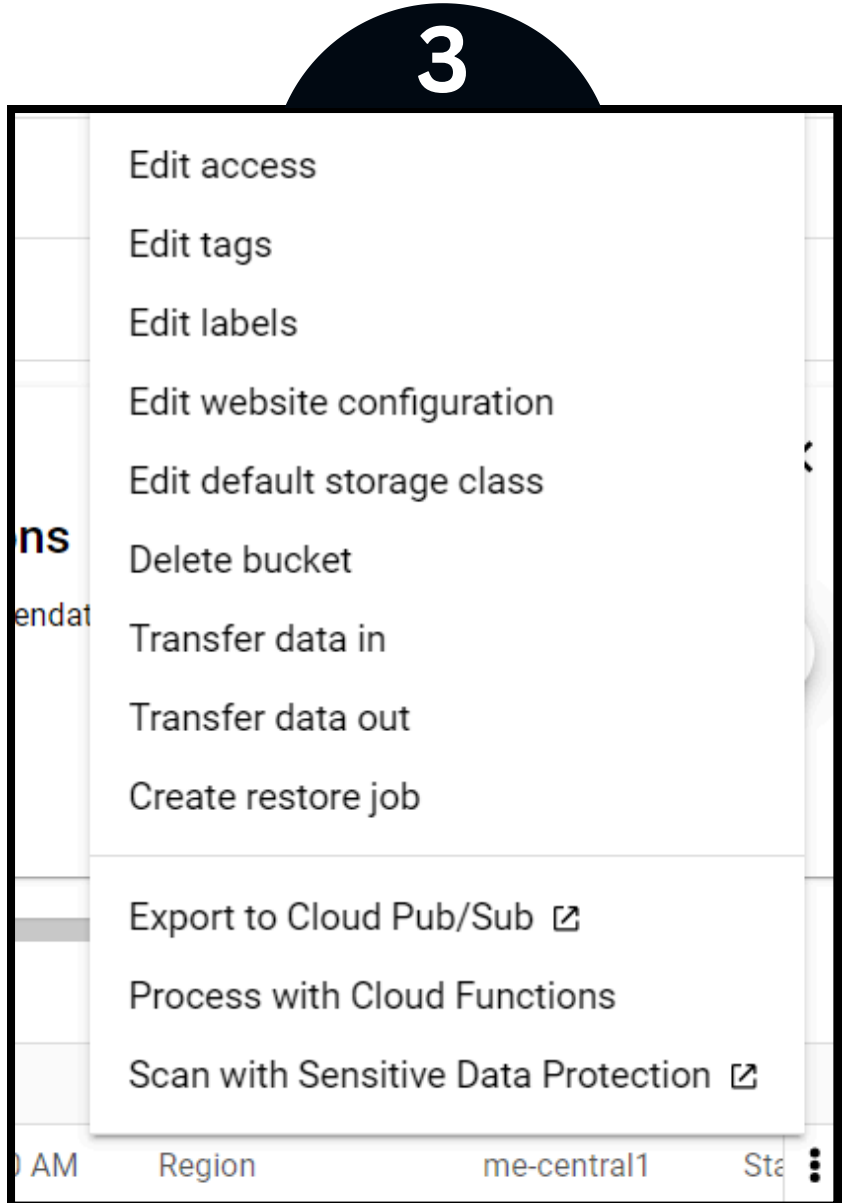
- Finally go to your index.html and click on "**copy the URL**"

- The result:

Good Luck!