Google Cloud Platform Project

Deploying Static Server on Google Cloud (Cloud Storage)

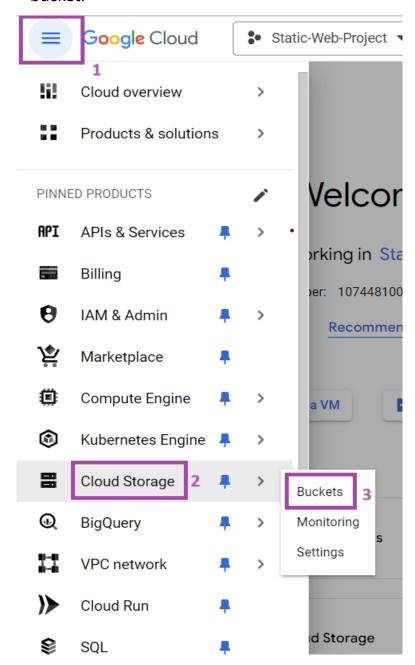| Creator Information	
	Sultan Alanazi
	https://www.linkedin.com/in/sultan-la-alanazi/
	https://github.com/SultanAlanazie

Contents

General Instructions
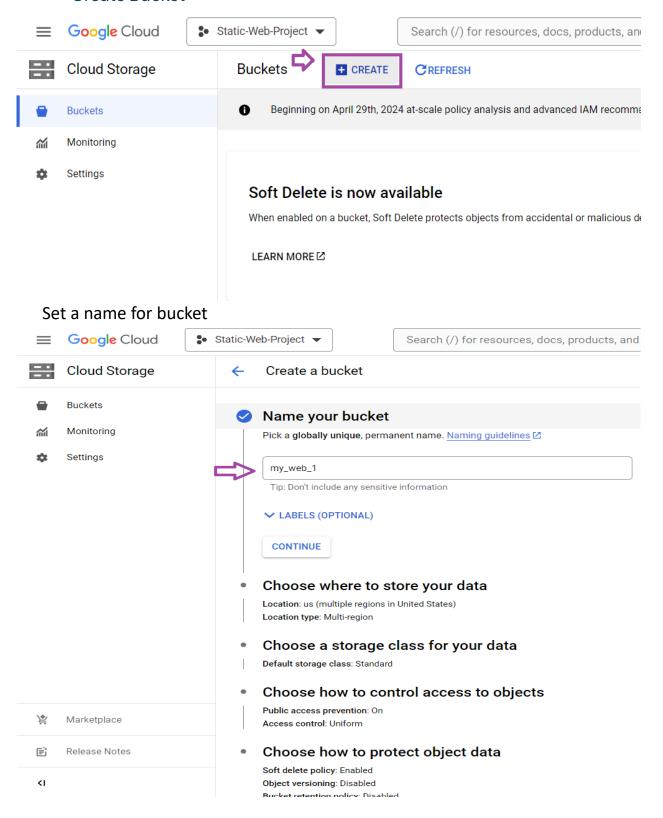
1- Make your own GCP account.
   Through URL: https://cloud.google.com/
2- After you make your account go to cloud storage and create your first bucket.
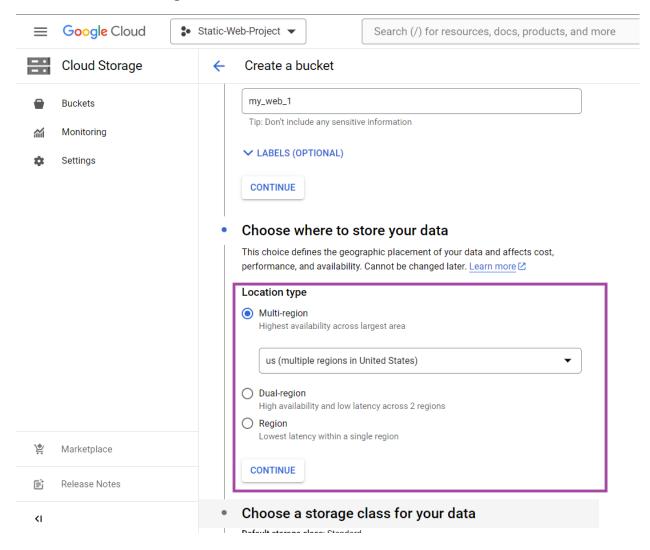
Create Bucket

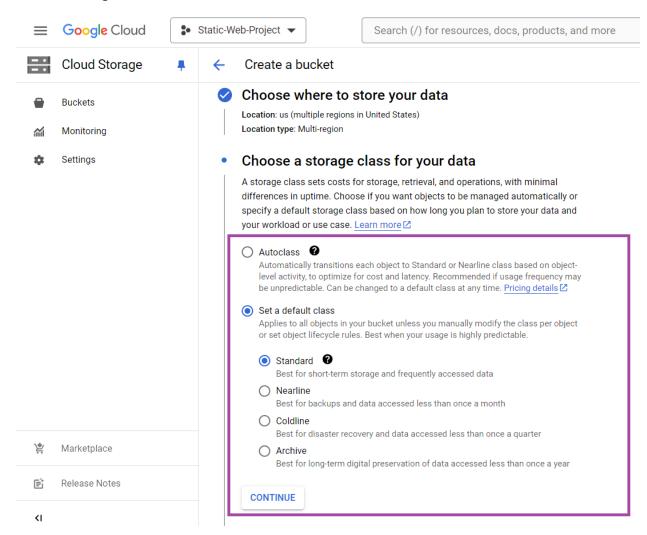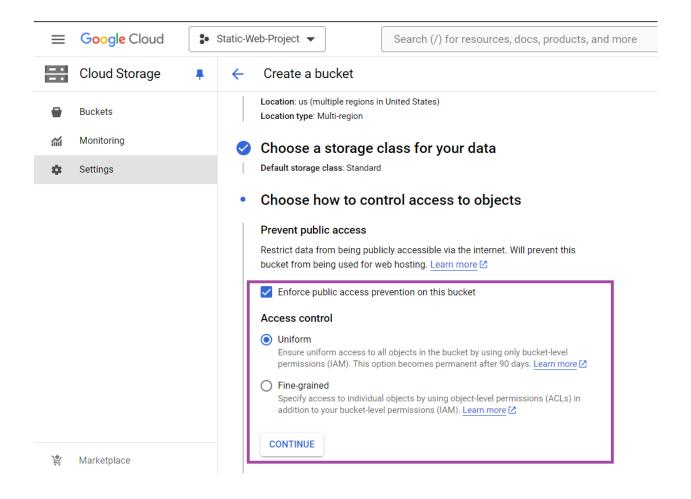≡ **Google** Cloud | •• Static-Web-Project ▾ | Search (/) for resources, docs, products, an

▤ **Cloud Storage**   Buckets ⇨ **➕ CREATE**   ↻ REFRESH

🗀 Buckets

ⓘ Beginning on April 29th, 2024 at-scale policy analysis and advanced IAM recomma

📈 Monitoring

⚙ Settings

Soft Delete is now available

When enabled on a bucket, Soft Delete protects objects from accidental or malicious d

LEARN MORE ↗

Set a name for bucket

≡ **Google** Cloud | •• Static-Web-Project ▾ | Search (/) for resources, docs, products, and

▤ **Cloud Storage**   ← Create a bucket

🗀 Buckets

📈 Monitoring   ✅ **Name your bucket**

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

⇨ | my_web_1 |

Tip: Don't include any sensitive information

⌄ **LABELS (OPTIONAL)**

CONTINUE

• **Choose where to store your data**
  Location: us (multiple regions in United States)
  Location type: Multi-region

• **Choose a storage class for your data**
  Default storage class: Standard

🛒 Marketplace

• **Choose how to control access to objects**
  Public access prevention: On
  Access control: Uniform

🗈 Release Notes

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

Choose Region

Choose Storage Class

Google Cloud   • Static-Web-Project ▾   Search (/) for resources, docs, products, and more

Cloud Storage 📌

- Buckets
- Monitoring
- Settings

←   Create a bucket

✓ **Choose where to store your data**

Location: us (multiple regions in United States)
Location type: Multi-region

● **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

- Marketplace
- Release Notes

Access control setting

Data Protection Settings
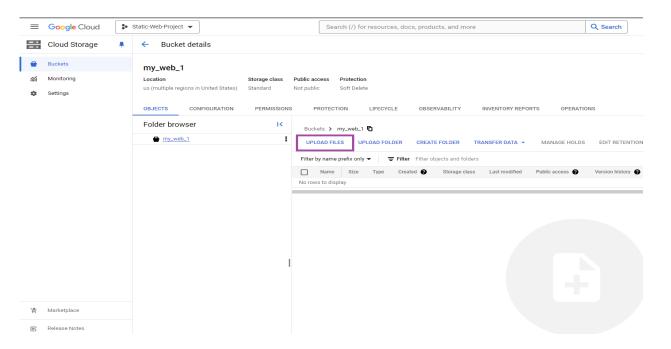
Create Bucket

Bucket Console:
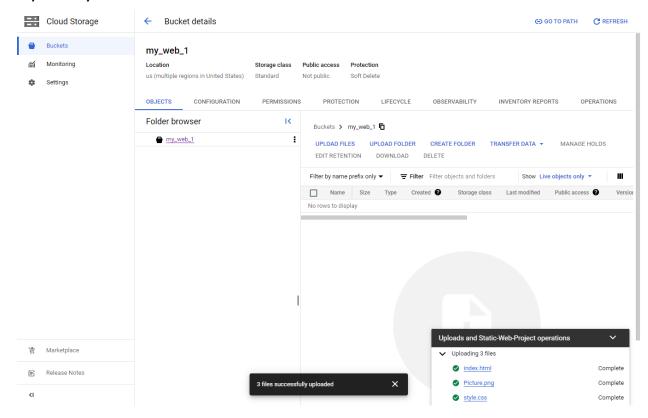
After we successfully created our first bucket, we'll upload our website from click on the "UPLOAD FILES"

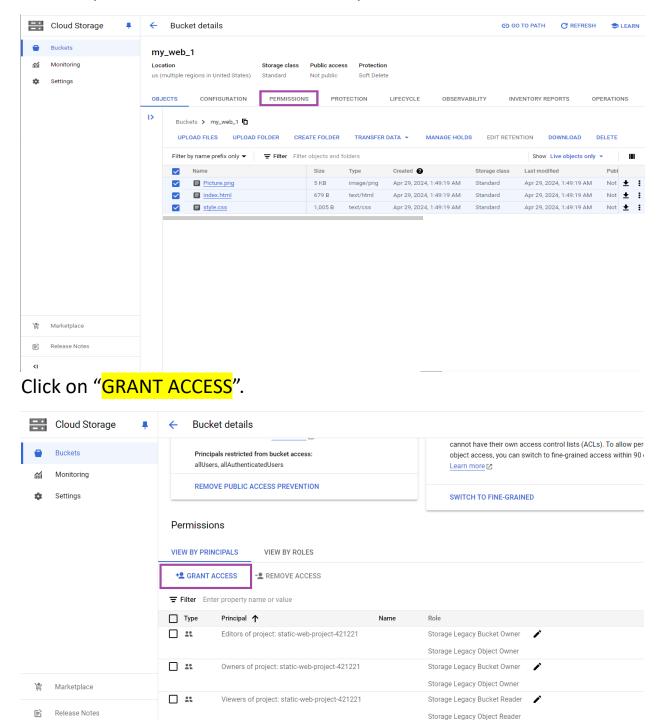# Upload your files.

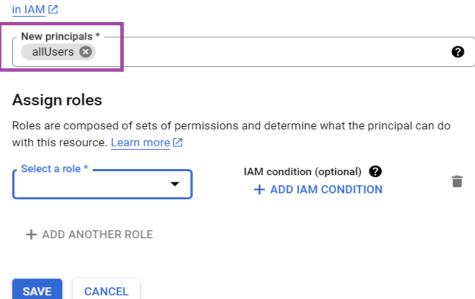Click on permissions and follow the steps:

Click on "GRANT ACCESS".

in new principal choose "allUsers".

Add principals

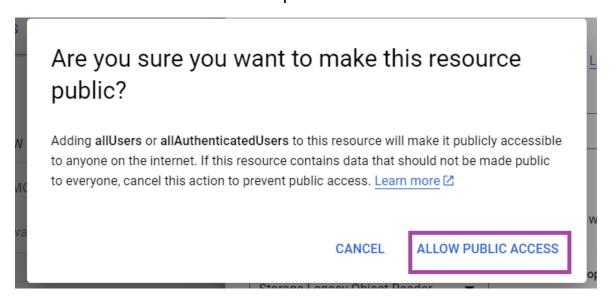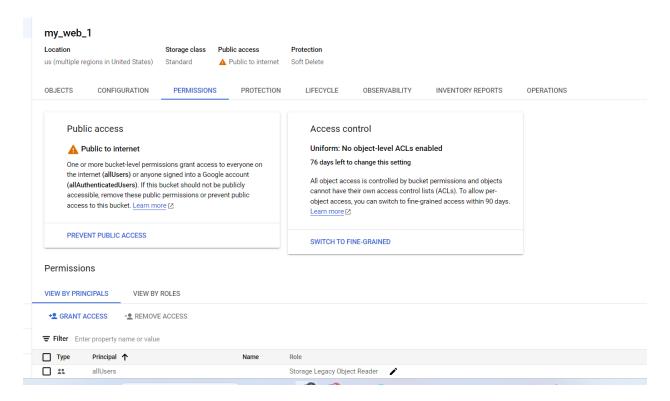Principals are users, groups, domains, or service accounts. Learn more about principals in IAM ⧉

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) ❓
                    ▼   + ADD IAM CONDITION   🗑

+ ADD ANOTHER ROLE

SAVE   CANCEL

Select the role:

After that click save and allow public access:

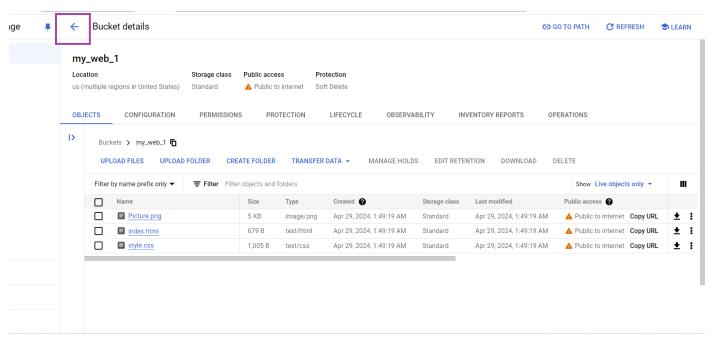After refreshing you will see that the website is now public

Configuration:

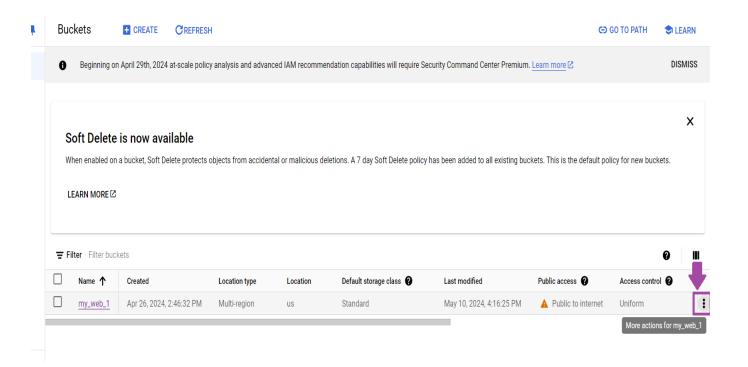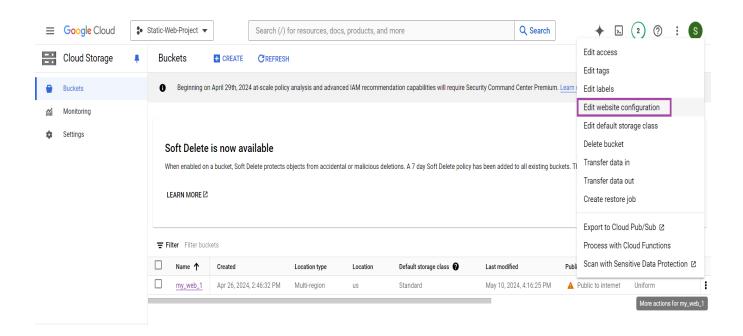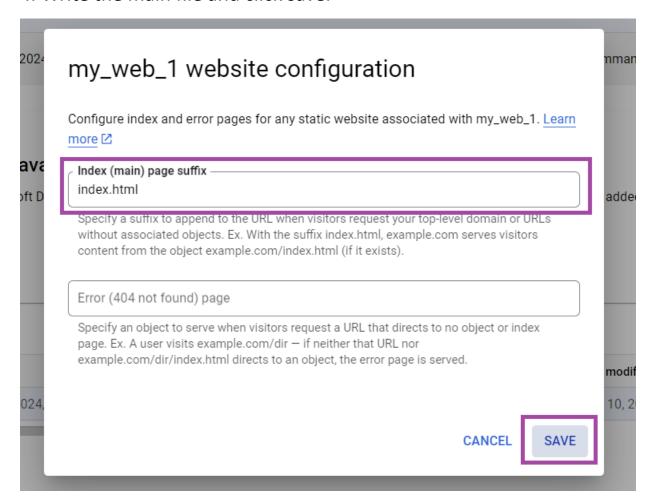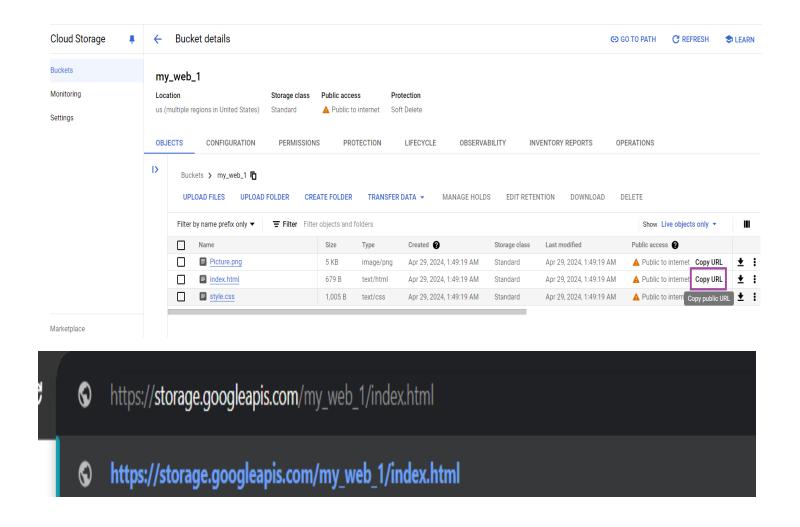Now return to the bucket, select the 3 dots button and do the following:

1.

2.

3.

4. Write the main file and click save.

my_web_1 website configuration

Configure index and error pages for any static website associated with my_web_1. Learn more ⧉

Index (main) page suffix
index.html

Specify a suffix to append to the URL when visitors request your top-level domain or URLs without associated objects. Ex. With the suffix index.html, example.com serves visitors content from the object example.com/index.html (if it exists).

Error (404 not found) page

Specify an object to serve when visitors request a URL that directs to no object or index page. Ex. A user visits example.com/dir — if neither that URL nor example.com/dir/index.html directs to an object, the error page is served.
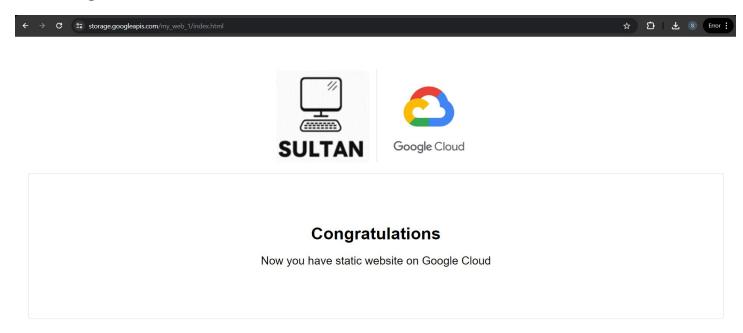
CANCEL   SAVE

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

Congratulations

Good Luck!