

Google Cloud Platform project

Deploy your static website on Google Cloud (Cloud Storage)

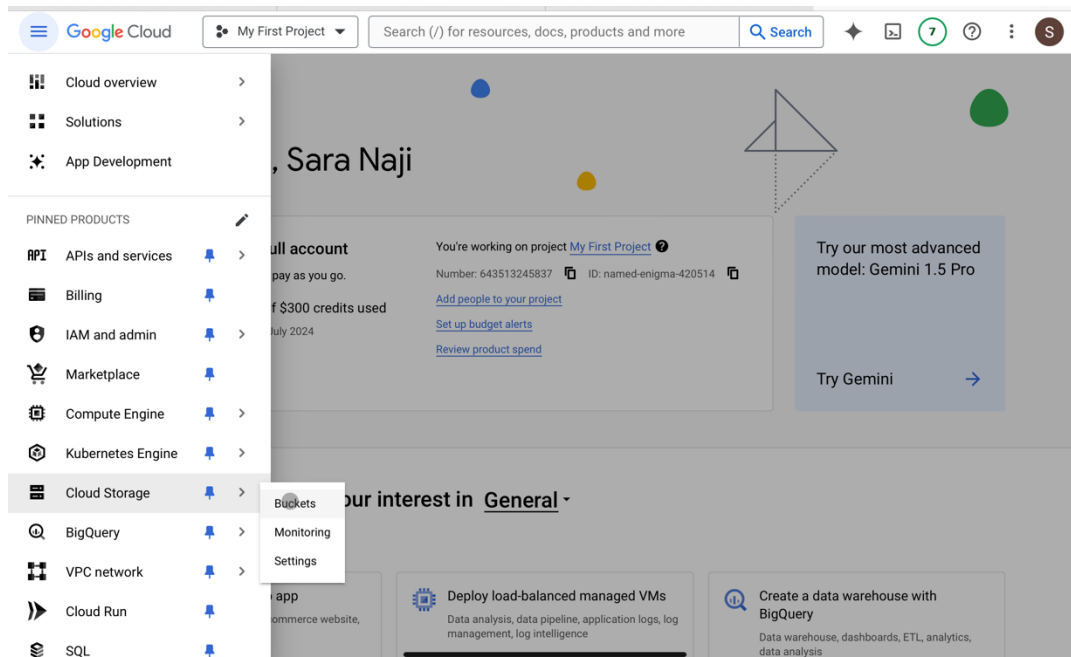
By Sarah Alwated

Guidelines:

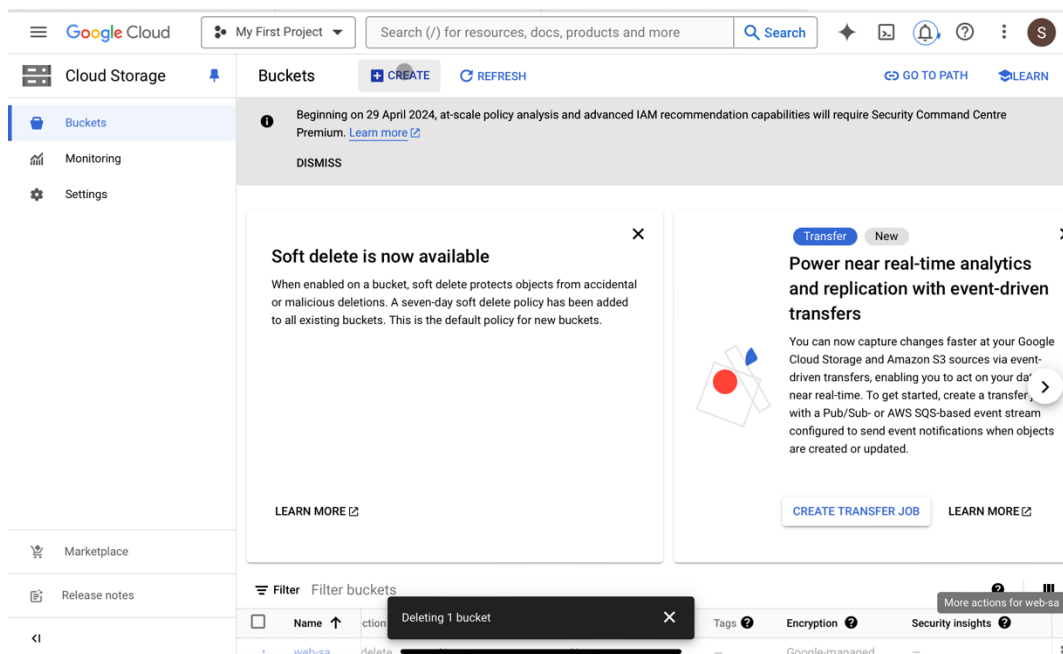
- First make your own GCP account.
- Second after you make your account go to cloud storage and create your first bucket
- Third upload your website and enable public access

Bucket settings:

Here you make your first Bucket.



And click on create.



The bucket settings

The screenshot shows the 'Create a Bucket' wizard in Google Cloud. The first step, 'Name your bucket', is active. A text input field contains 'my-first-web-sa'. Below it, a tip says 'Don't include any sensitive information'. There is a 'CONTINUE' button. To the right, under 'Good to know', there is a 'Location pricing' section with a table showing costs for 'us' and 'With default replication'. Below that is an 'ESTIMATE YOUR MONTHLY COST' section. The left sidebar shows 'Cloud Storage' and 'Settings'.

Name your bucket

Pick a globally unique, permanent name. [Naming guidelines](#)

my-first-web-sa

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
With default replication	\$0.020 per GB written

ESTIMATE YOUR MONTHLY COST

Choose the region

The screenshot shows the 'Create a Bucket' wizard in Google Cloud, Step 2: 'Choose where to store your data'. The first step is completed. The 'Location type' section has three radio buttons: 'Multi-region', 'Dual-region', and 'Region'. 'Region' is selected. Below it, a dropdown menu shows 'me-central1 (Doha)'. There is a 'CONTINUE' button. To the right, under 'Good to know', there is a 'Location pricing' section with a table showing costs for 'me-central1 (Doha)'. Below that is an 'ESTIMATE YOUR MONTHLY COST' section. The left sidebar shows 'Cloud Storage' and 'Settings'.

Name your bucket

Name: my-first-web-sa

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

Google Cloud

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Cloud Storage

Buckets

Monitoring

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Release notes

Create a Bucket

Location: me-central1 (Doha)
Location type: 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 optimise 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

Current configuration: Region / Standard

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

ESTIMATE YOUR MONTHLY COST

Google Cloud

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Cloud Storage

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Release notes

Create a Bucket

☒ Choose a storage class for your data

Default storage class: Standard

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

ESTIMATE YOUR MONTHLY COST

Choose how to protect object data

Soft-delete policy: Enabled

Object versioning: Disabled

Bucket retention policy: Disabled

Object retention: Disabled

Encryption type: Google-managed

Now click create

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Cloud Storage | Buckets | Monitoring | Settings

Create a Bucket

- ✓ **Choose a storage class for your data**
Default storage class: Standard | me-central1 (Doha) | \$0.023 per GB/month
- ✓ **Choose how to control access to objects**
Public access prevention: On | Access control: Fine-grained
- **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 versioning (for version control)**
For restoring deleted or overwritten objects. To minimise the cost of storing versions, we recommend limiting the number of non-current 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

[ESTIMATE YOUR MONTHLY COST](#)

[CREATE](#) [CANCEL](#)

Bucket console:

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

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Bucket details | [GO TO PATH](#) | [REFRESH](#) | [LEARN](#)

LOCATION	STORAGE CLASS	PUBLIC ACCESS	PROTECTION
me-central1 (Doha)	Standard	Not public	None

OBJECTS | CONFIGURATION | PERMISSION | PROTECTION | LIFECYCLE | OBSERVABILITY | INVENTORY REPORTS | OPERATIONS

Buckets > my-first-web-sa

[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	Storage class	Last modified	Public access	Version history	Encryption	Object retention retain-until time
No rows to display									

[+](#)

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Bucket details

my-first-web-sa

Location: me-central1 (Doha) Storage class: Standard Public access: Not public Protection: None

OBJECTS CONFIGURATION PERMISSION PROTECTION LIFECYCLE OBSERVABILITY INVENTORY REPORTS OPERATIONS

Buckets > my-first-web-sa

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	Storage class	Last modified	Public access	
index.html	2.1 KB	text/html	1 May 2024, 23:27:37	Standard	1 May 2024, 23:27:37	Not public	

1 file successfully uploaded

After we have upload the site, we have to make it public , click on Grant Access

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Bucket details

my-first-web-sa

Location: me-central1 (Doha) Storage class: Standard Public access: Not public Protection: None

OBJECTS CONFIGURATION PERMISSION PROTECTION LIFECYCLE OBSERVABILITY INVENTORY REPORTS OPERATIONS

Public access

Not public

This bucket is not publicly accessible because public access is being prevented. Because of this restriction, objects cannot be publicly shared over the Internet. [Learn more](#)

Principals restricted from bucket access: allUsers, allAuthenticatedUsers

REMOVE PUBLIC ACCESS PREVENTION

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

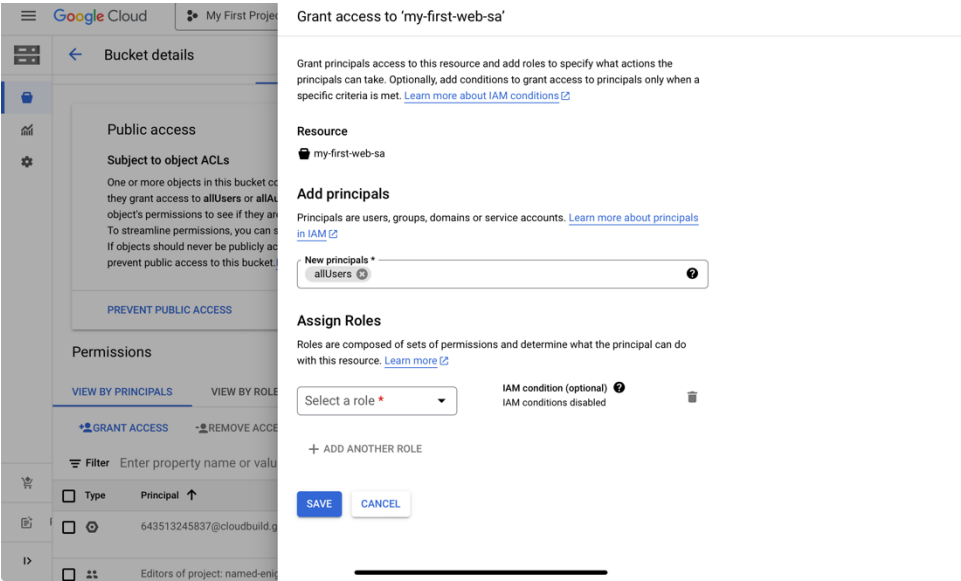
VIEW BY PRINCIPALS VIEW BY ROLES

+ GRANT ACCESS - REMOVE ACCESS

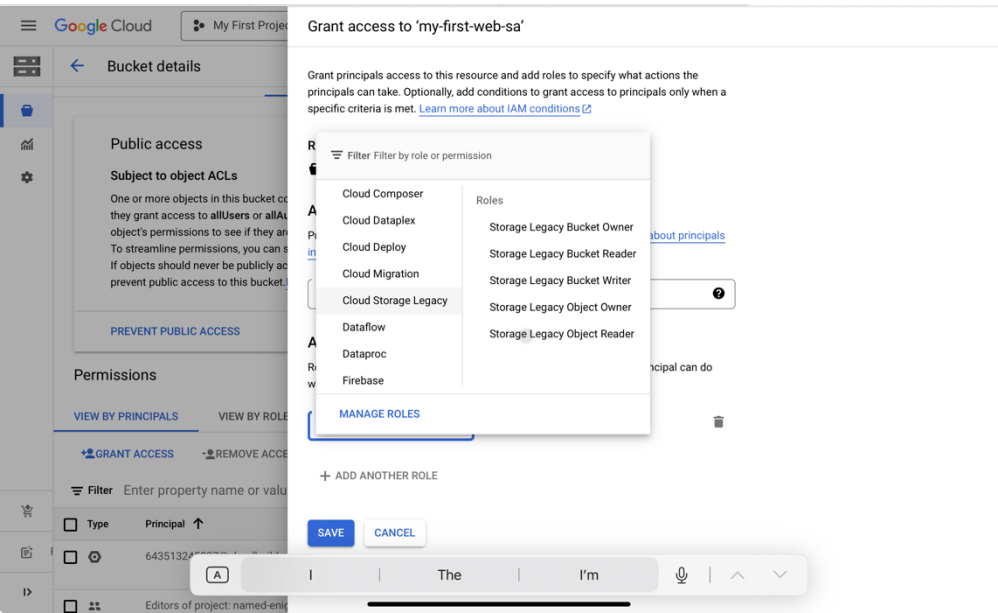
Filter Enter property name or value

2 files successfully uploaded

New principal choose allUsers



Now select the role



After that save the Grant Access

Grant access to 'my-first-web-sa'

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-first-web-sa

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)
IAM conditions disabled

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

+ ADD ANOTHER ROLE

SAVE CANCEL

Grant access to 'my-first-web-sa'

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-first-web-sa

Are you sure that 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

Storage Legacy Object Reader

IAM conditions disabled

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

+ ADD ANOTHER ROLE

SAVE CANCEL

Get back to objects and click refresh

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Search

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Bucket details

GO TO PATH

REFRESH

LEARN

Updated 1 minute ago

my-first-web-sa

Location: me-central1 (Doha)

Storage class: Standard

Public access: Public to Internet

Protection: None

OBJECTS

CONFIGURATION

PERMISSION

PROTECTION

LIFECYCLE

OBSERVABILITY

INVENTORY REPORTS

OPERATIONS

Buckets > my-first-web-sa

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	Storage class	Last modified	Public access	
<input type="checkbox"/>		124.6 KB	text/plain	1 May 2024, 23:08:17	Standard	1 May 2024, 23:08:17	Not public	<div>Download</div> <div>More actions</div>
<input type="checkbox"/>		117.5 KB	text/csv	1 May 2024, 23:08:21	Standard	1 May 2024, 23:08:21	Not public	<div>Download</div> <div>More actions</div>

The information on this page is out of date. Refresh to see the latest data.

REFRESH

X

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

Google Cloud

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Buckets

CREATE

REFRESH

GO TO PATH

LEARN

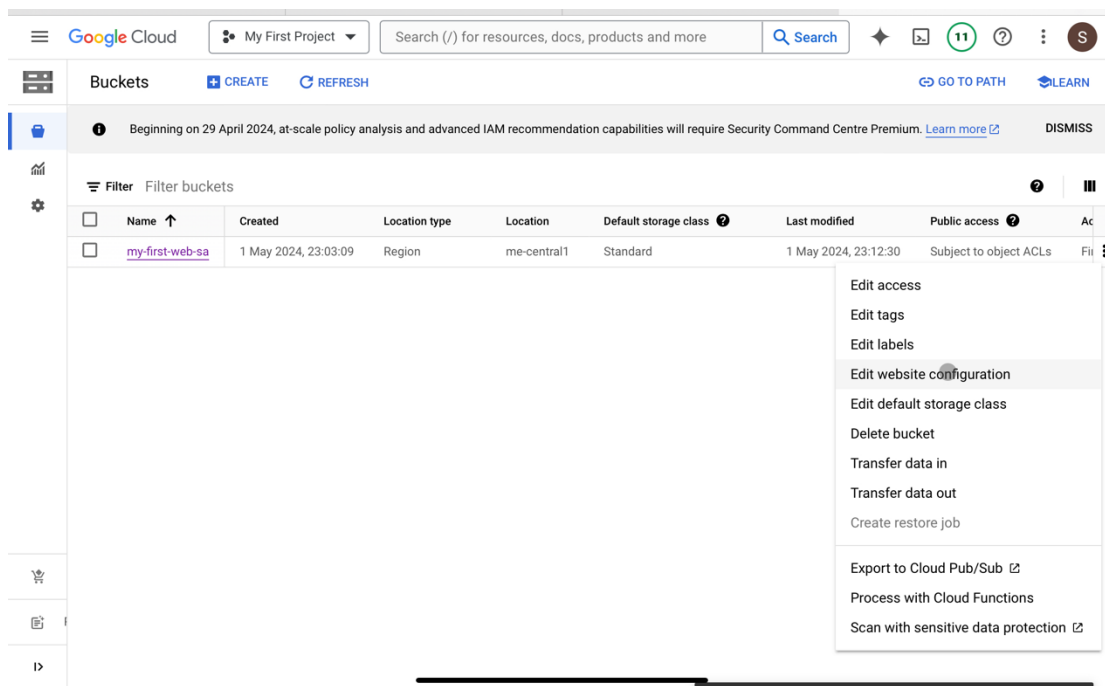
Beginning on 29 April 2024, at-scale policy analysis and advanced IAM recommendation capabilities will require Security Command Centre Premium. [Learn more](#)

DISMISS

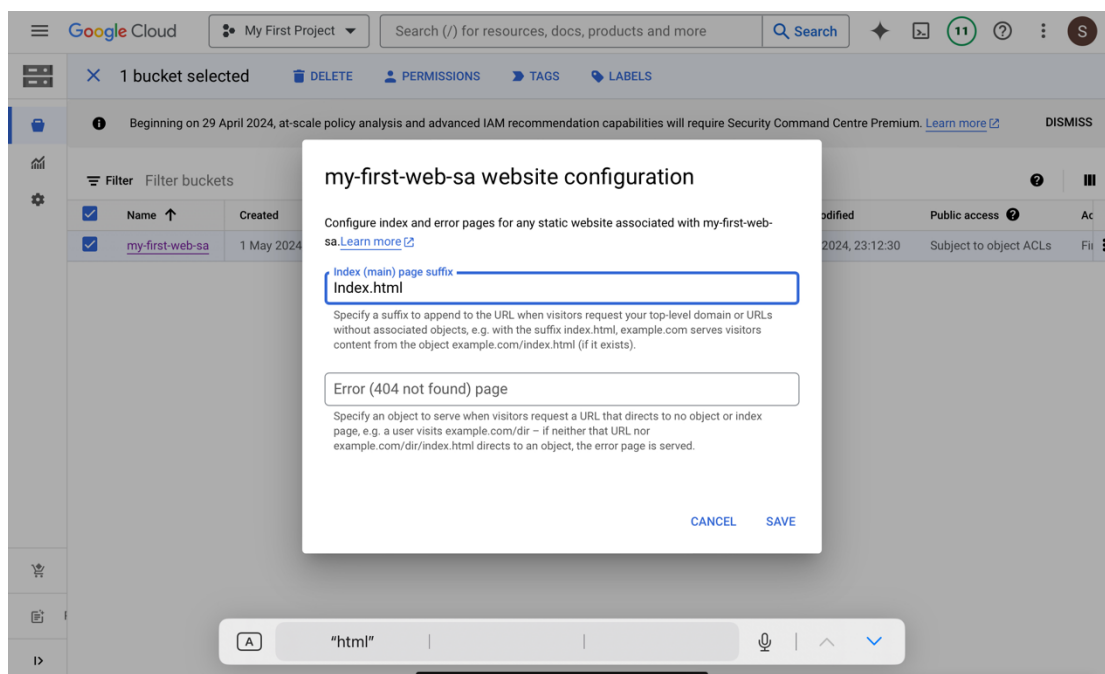
Filter

Filter buckets

	Name	Created	Location type	Location	Default storage class	Last modified	Public access	Actions
<input type="checkbox"/>	my-first-web-sa	1 May 2024, 23:03:09	Region	me-central1	Standard	1 May 2024, 23:12:30	Subject to object ACLs	<div>More actions for my-first-web-sa</div>



Write the main file.



Finally go to your index.html and copy the URL

The screenshot shows the Google Cloud Storage interface for a bucket named 'my-fist-web-sa'. The bucket is located in 'me-central1 (Doha)' and has a 'Standard' storage class. It is publicly accessible to the internet. The 'OBJECTS' tab is selected, showing a list of objects. A table lists the objects with columns for Name, Size, Type, Created, Storage class, and Last modified. The object 'index.html' is listed with a size of 2.1 KB, type of text/html, and created on 1 May 2024, 23:27:37. A context menu is open over the 'index.html' file, showing options like 'Download', 'Copy public URL', 'Copy authenticated URL', 'Copy gsutil URI', 'Edit metadata', 'Edit access', 'Edit retention', 'Copy', 'Move', 'Rename', 'Export to Cloud Pub/Sub', and 'Scan with sensitive data protection'.

Name	Size	Type	Created	Storage class	Last modified
index.html	2.1 KB	text/html	1 May 2024, 23:27:37	Standard	1 May 2024, 23:27:37

The screenshot shows a Safari browser window on a mobile device. The address bar displays the URL 'https://storage.googleapis.com/my-fist-web-sa/index.html'. A search bar is visible with the same URL entered. Below the search bar, there are suggestions for 'Google Cloud Platform' and 'Google Cloud Platform'. The page content is partially visible, showing a 'Privacy Report' section with a '26' icon and a 'Reading List' section with a book icon. The 'Recently Closed Tabs' section is also visible, showing a list of tabs. The status bar at the top shows the time as 11:34 PM on Wednesday, May 1st, and the battery level at 12%.