



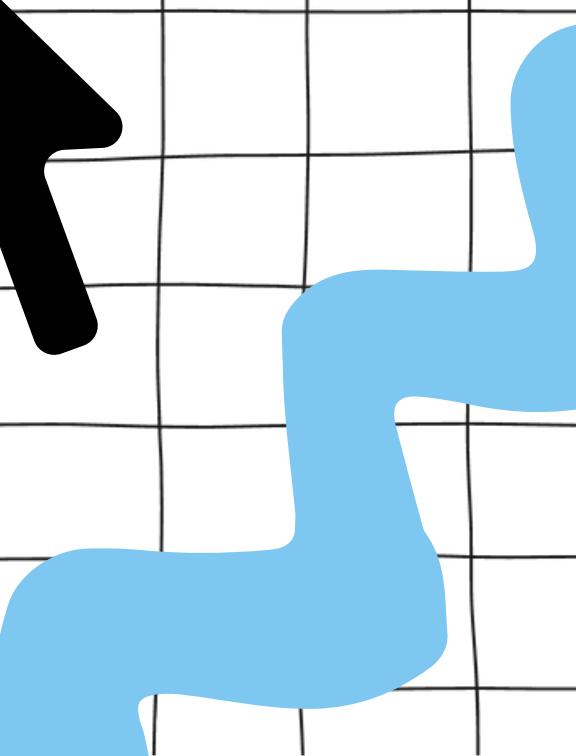
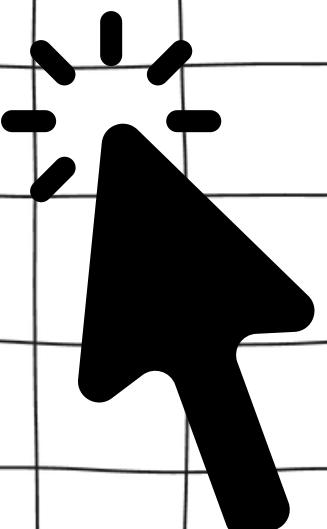
google cloud platform

Deploy your static website on Google
Cloud (Cloud Storage)

Contents



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- 04** Setting up VM SSH
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creator info

...

linkedin



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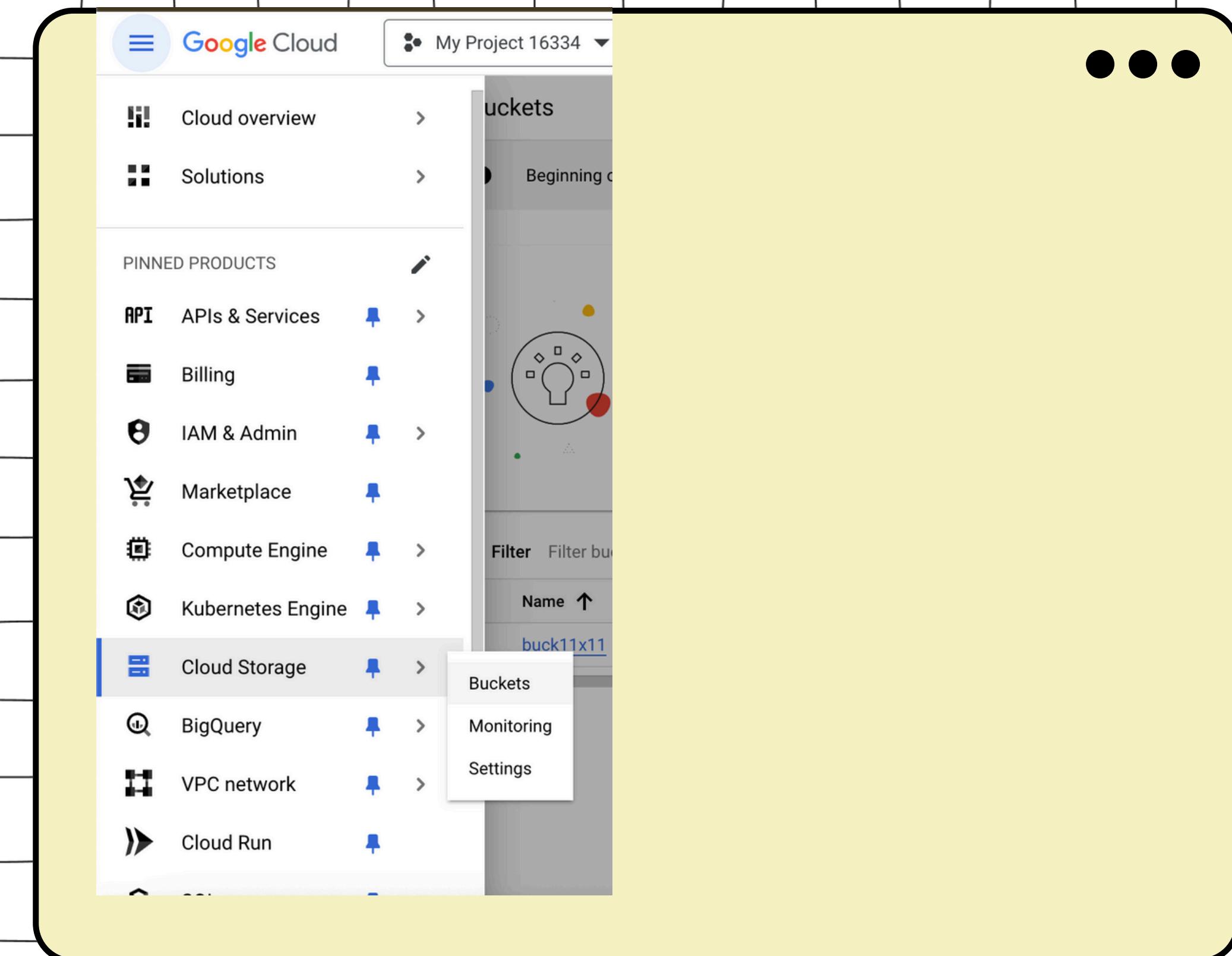
...

github



[github link](#)

- 1- Make your own GCP account. Through URL:
<https://cloud.google.com/>
- 2- From The Navigation Menu, go to Compute Engine.
- 3- create a bucket by going to the navigation menu >> cloud storage >>buckets .



creating the bucket

Buckets

+ CREATE

REFRESH



Beginning on April 29th, 2024 at-scale policy

namig the bucket and the settings

>Create a bucket

- Name your bucket**
Pick a globally unique, permanent name. [Naming guidelines](#)

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
- Choose how to control access to objects**
Public access prevention: On
Access control: Uniform
- Choose how to protect object data**

chosing the region

• • •

← Create a bucket

Name your bucket

Name: webbucket1

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

northamerica-northeast1 (Montréal) ▾

CONTINUE

as

chosing the storage class

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

chosring the control access

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

Successfully created the bucket

>Create a bucket

Name your bucket
Name: webbucket1

Choose where to store your data
Location: northamerica-northeast1 (Montréal)
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: 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

CREATE CANCEL

Created bucket webbucket1 X

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

Bucket details

webbuckett1

Location: northamerica-northeast1 (Montréal) Storage class: Standard

OBJECTS CONFIGURATION PERMISSIONS

Buckets > webbuckett1

UPLOAD FILES UPLOAD FOLDER CLOUDFRONT

Filter by name prefix only Filter

<input type="checkbox"/> Name	Size	Type	Created
No rows to display			

After successfully uploading
a file

Bucket details

Location: northamerica-northeast1 (Montréal) Storage class: Standard Public access: Not public Protection: Soft Delete

OBJECTS CONFIGURATION PERMISSIONS PROTECTION LIFECYCLE OBSERVABILITY INVENTORY REPORTS OPERATIONS

Buckets > webbuckett1

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
Screenshot 2024-05-12 at 12.18.3...	120.7 KB	image/png	May 12, 2024, 12:25:01 AM	Standard	May 12, 2024, 12:25:01 AM	Not public

1 file successfully uploaded X

The screenshot shows the AWS S3 Bucket Details page for a bucket named 'webbuckett1'. The bucket is located in 'northamerica-northeast1 (Montréal)' with a 'Standard' storage class, 'Not public' public access, and 'Soft Delete' protection. The 'OBJECTS' tab is selected, displaying a single file: 'Screenshot 2024-05-12 at 12.18.3...', which is a 120.7 KB image/png file created on May 12, 2024, at 12:25:01 AM. The file has a 'Standard' storage class and was last modified on May 12, 2024, at 12:25:01 AM, with 'Not public' public access. A success message '1 file successfully uploaded' is visible at the bottom.

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

The screenshot shows the AWS S3 console for a bucket named "webbuckett1". The "PERMISSIONS" tab is selected. The left sidebar has "OBJECTS" and "CONFIGURATION" tabs. The main area shows a file named "Screenshot 2024-05-12 at 12.18.3..." with a timestamp of "May 12, 2024, 12:25:01 AM" and "Not public" access. There are buttons for "UPLOAD FILES", "UPLOAD FOLDER", "CREATE FOLDER", "TRANSFER DATA", and a "Select" button. A large yellow box highlights the "PERMISSIONS" tab and the file listing area.

Name	Last modified	Public access
Screenshot 2024-05-12 at 12.18.3...	May 12, 2024, 12:25:01 AM	Not public

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

Permissions

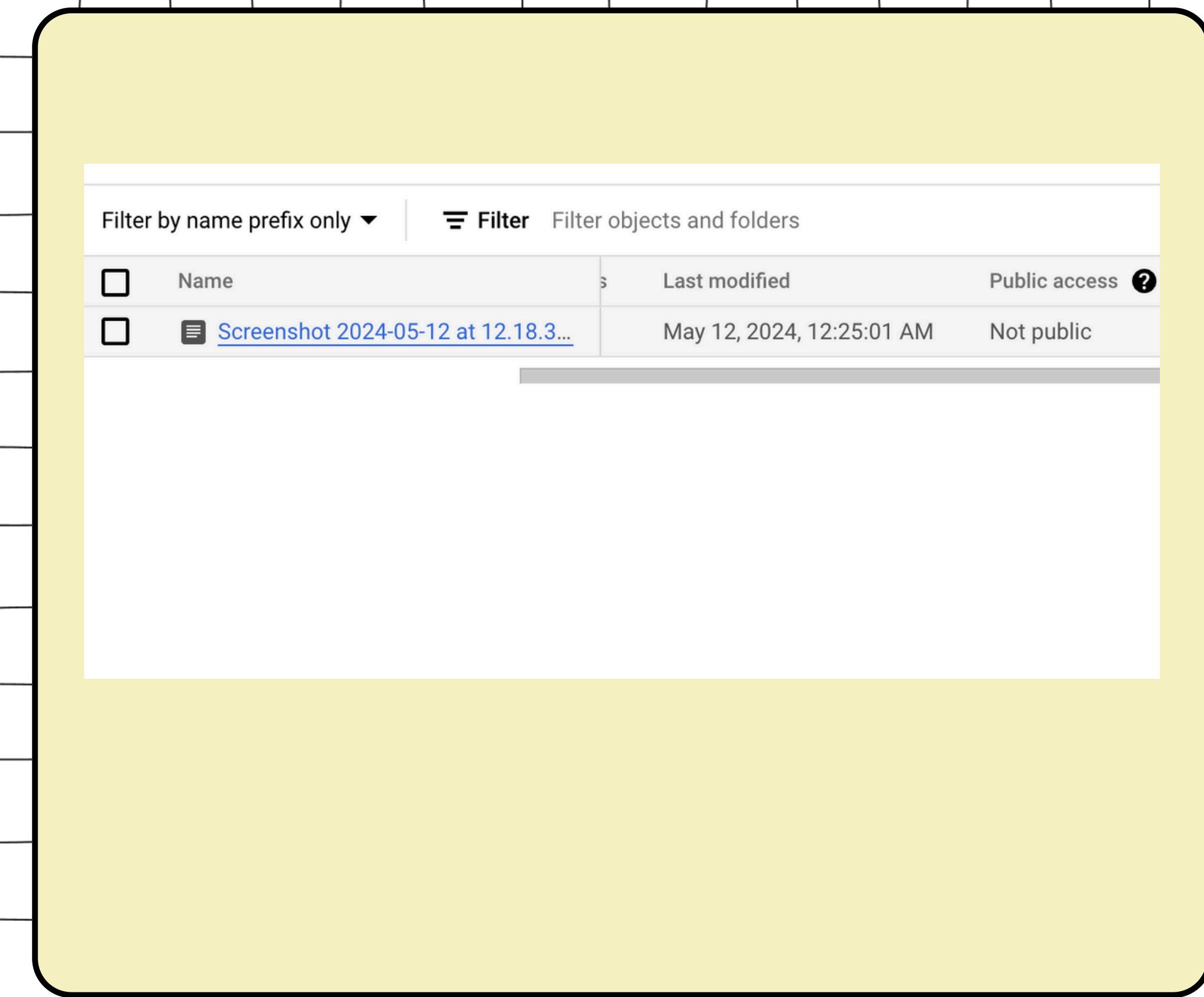
[VIEW BY PRINCIPALS](#)

[VIEW BY ROLES](#)

 GRANT ACCESS

 REMOVE ACCESS

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



New principal choose
allUsers.

Grant access to "webbuckett1"

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

webbuckett1

Add principals

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

New principals *

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

+ ADD ANOTHER ROLE

s

Now select the role.
After that save the Grant
access.

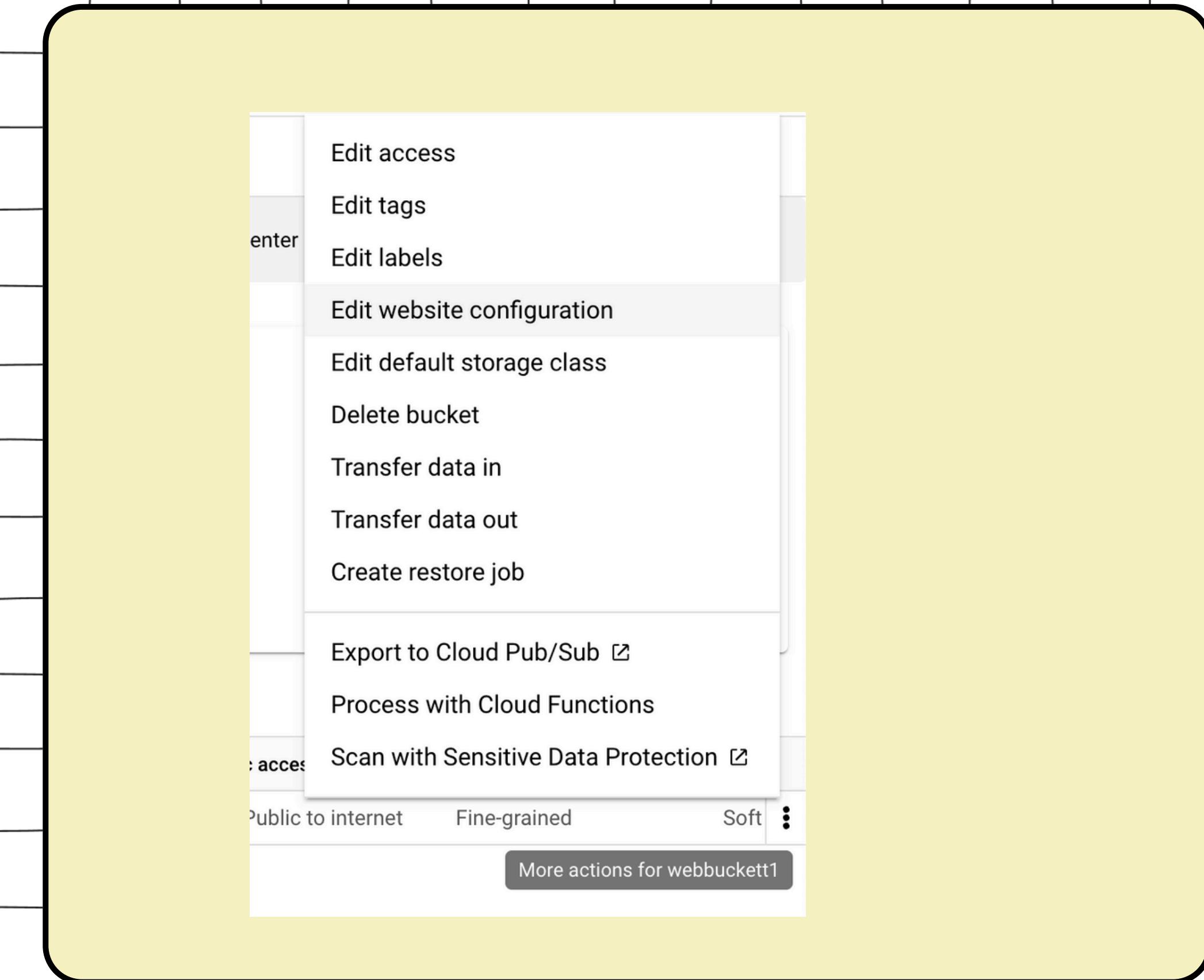
The screenshot shows the Google Cloud IAM interface. On the left, there is a sidebar with various service names: Cloud Migration, Cloud Storage Legacy, Dataflow, Dataproc, Firebase, Firebase Products, IAM, and MANAGE ROLES. The 'Cloud Storage Legacy' service is currently selected. To the right of the sidebar, under the heading 'Roles', several roles are listed: Storage Legacy Bucket Owner, Storage Legacy Bucket Reader, Storage Legacy Bucket Writer, Storage Legacy Object Owner, and Storage Legacy Object Reader. The 'Storage Legacy Object Reader' role is highlighted with a light gray background. A large yellow callout bubble is positioned over the 'MANAGE ROLES' button at the bottom of the sidebar.

Role
Storage Legacy Bucket Owner
Storage Legacy Bucket Reader
Storage Legacy Bucket Writer
Storage Legacy Object Owner
Storage Legacy Object Reader

Get back to Objects and click refresh.
As we see now the website is public.

<input type="checkbox"/>	Name 	Content type	Location	Default storage class 	Last modified	Public access 
<input type="checkbox"/>	webbuckett1	image	northamerica-northeast1	Standard	May 12, 2024, 12:39:19 AM	 Public to internet

return to the bucket and select the three dots and do the following.
click edit wbsite configuration .



wriite the main file
index.html

webbuckett1 website configuration

Configure index and error pages for any static website associated with webbuckett1.

[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

go to your uploaded file and copy the URL.

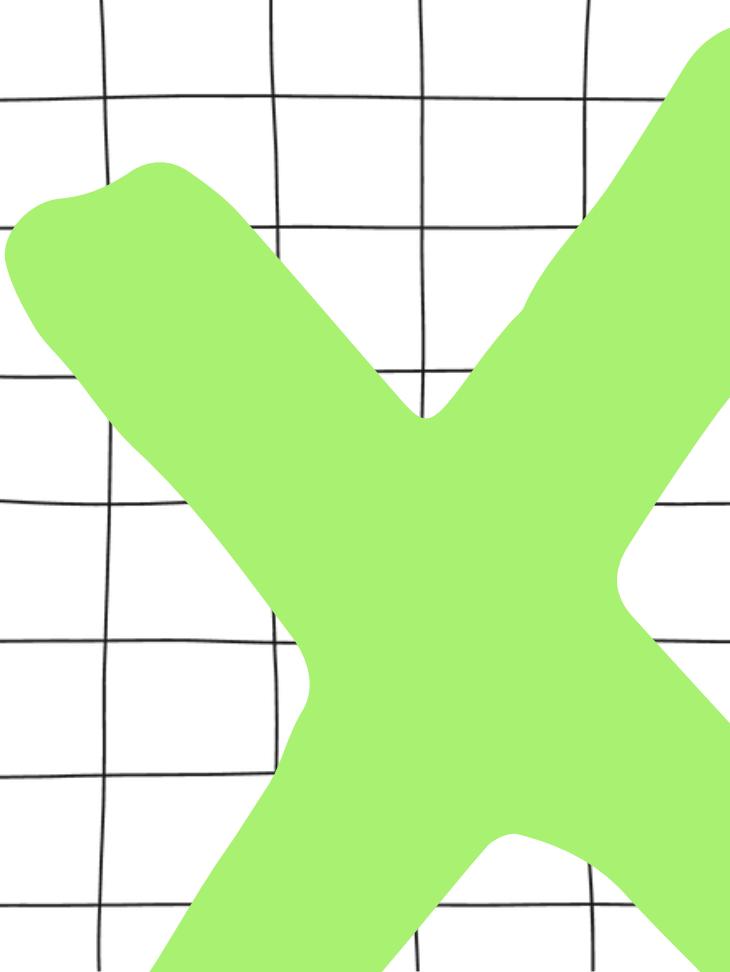
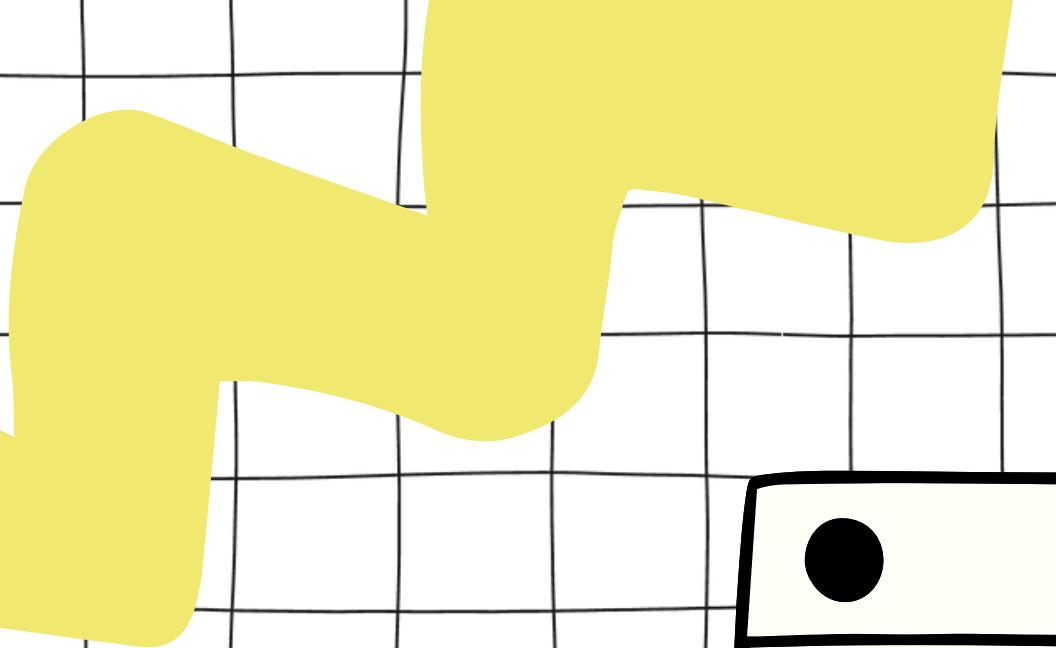
- Download ↗
- Copy Public URL
- Copy Authenticated URL
- Copy gsutil URI
- Edit metadata
- Edit access
- Edit retention
- Copy
- Move
- Rename
- Export to Cloud Pub/Sub ↗
- Scan with Sensitive Data Protection ↗

after typing the URL we will
be taken to the website!

- 🌐 <https://storage.googleapis.com/webbuckett1/html.idex>
- 🌐 **https://storage.googleapis.com/webbuckett1/html.idex**
- 🔍 <https://storage.googleapis.com/webbuckett1/html.idex - Google Search>

S





Thank you

BY : Rahaf Alayuni