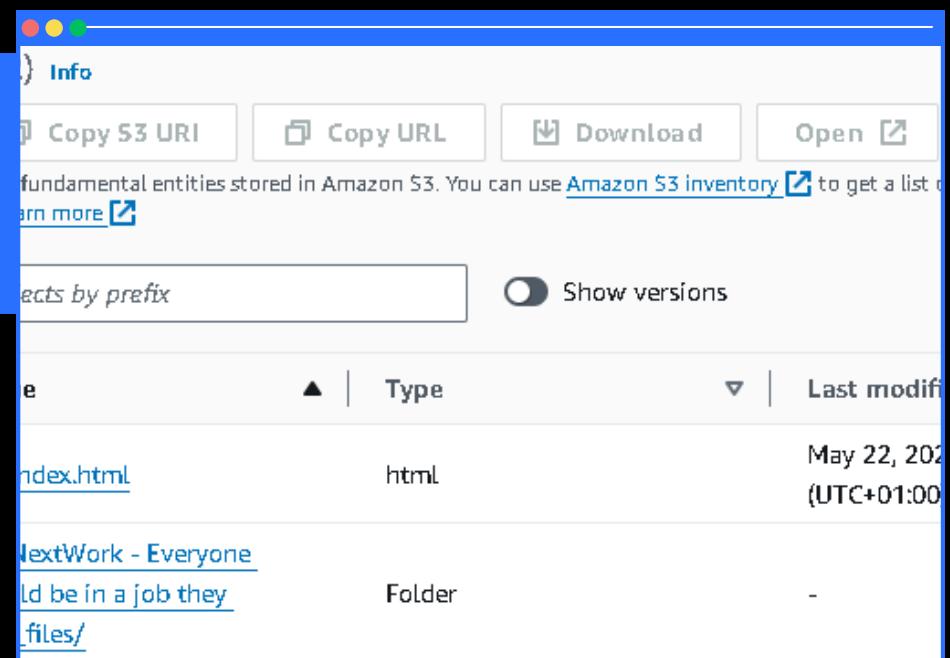


# HOW I HOSTED A STATIC WEBSITE

ON AMAZON S3



Muhammad Asif Sahil

Real-Sahil

# WHAT IS AMAZON S3?

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What it does:

- An AWS S3 bucket is a cloud storage resource that stores and retrieves any amount of data at any time from anywhere on the web.

Why it's useful:

- It's useful because it provides scalable, reliable, and low-latency data storage accessible over the internet.

How I'm using it in today's project:

- In this project, I'm using Amazon S3 to host a static website.

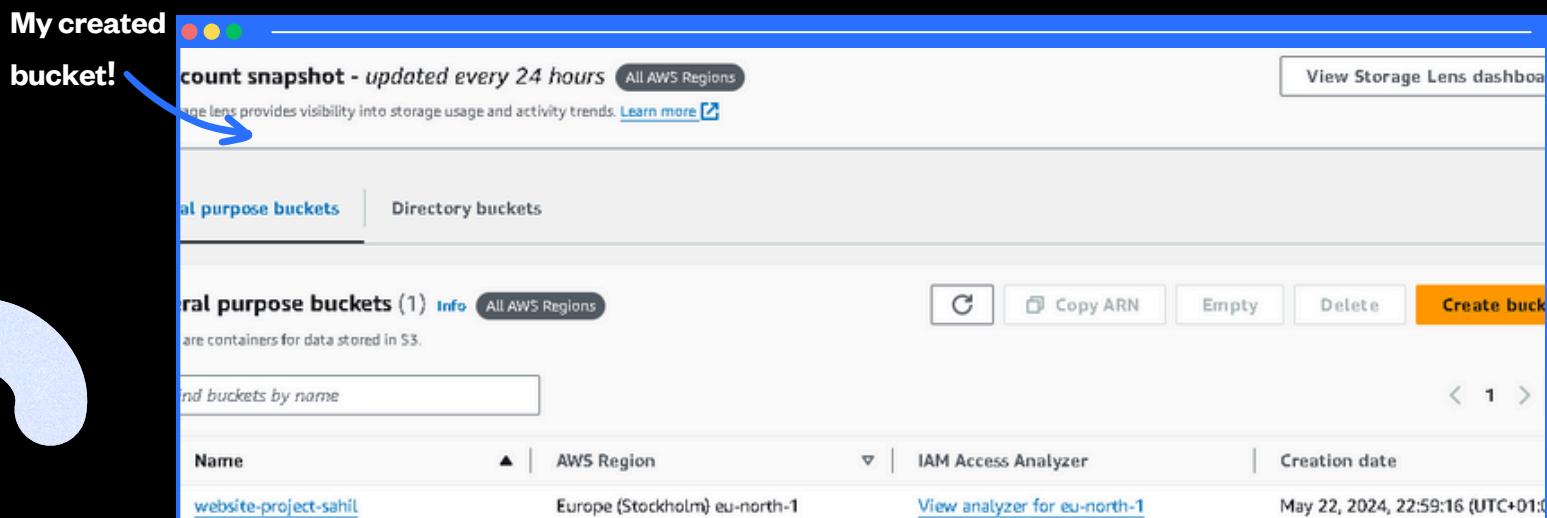


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# CREATE AN S3 BUCKET

- Creating an Amazon S3 bucket took me, 35 Minutes.
- Some of the configuration steps include:
  - The bucket's Region: It refers to the location of the AWS server, in my case it was Stockholm.
  - Access Control Lists: Refers to the list of permitted users able to access the website/S3 Bucket.
  - Bucket versioning: Bucket versioning in AWS S3 allows you to keep multiple versions of an object, enabling easy recovery from accidental deletions or overwrites.
  - Public Access: Makes the website public for all the IPs.
- S3 bucket names have to be globally unique, which means it cannot be same as something already exists.

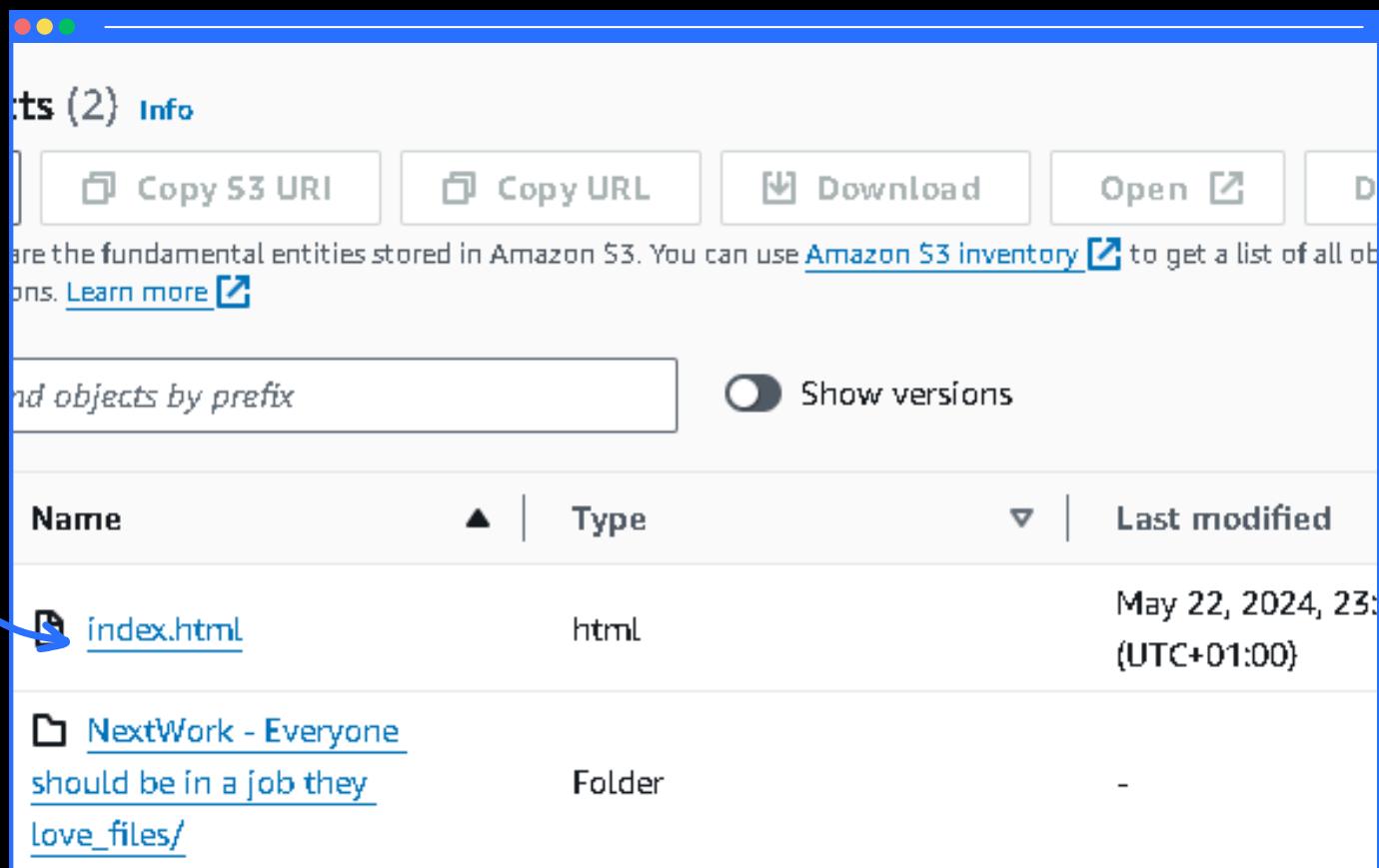


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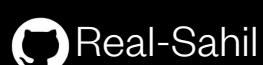
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# UPLOAD WEBSITE CONTENT TO S3

- Next, I uploaded my website's files into my S3 bucket.
- There were two files to upload: 1. Index.html 2. Folder containing the media.

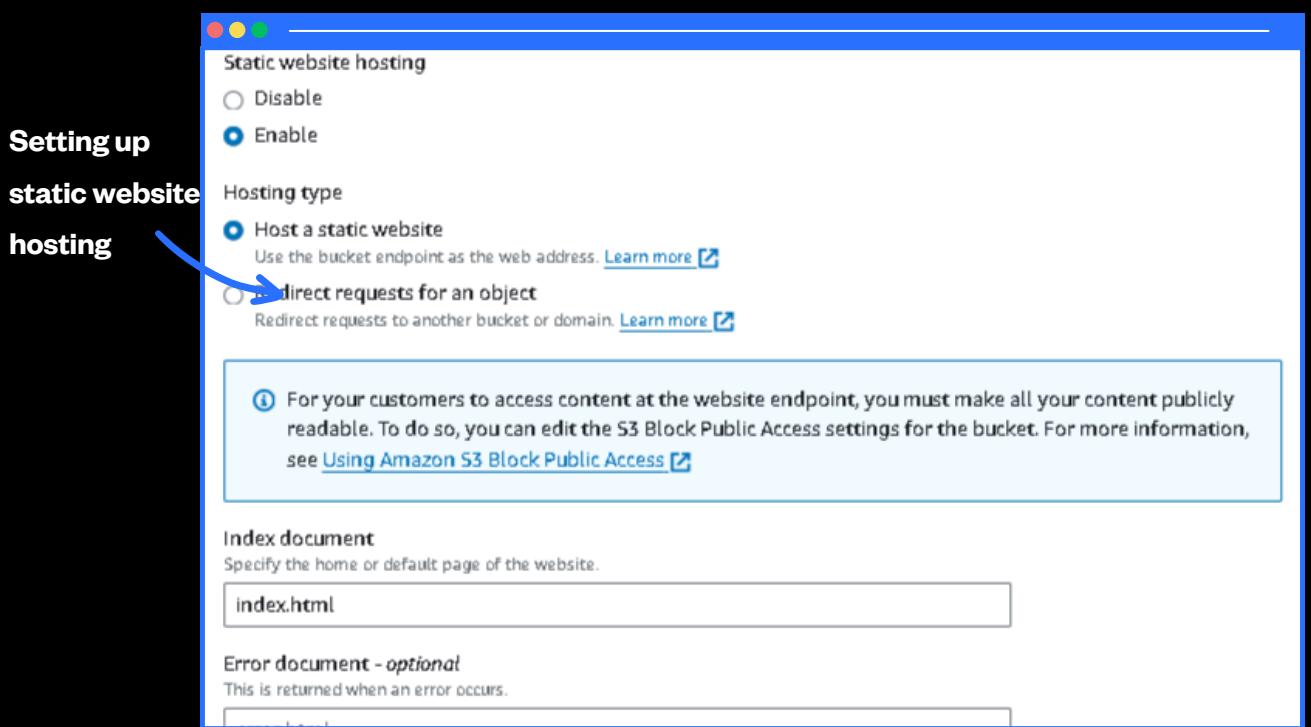


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# CONFIGURE STATIC WEBSITE HOSTING ON AMAZON S3

- Website hosting means providing server space and resources to store and display a website on the internet.
- To enable website hosting, I enabled the hosting to the very end of my bucket properties.
- Once static website is enabled, S3 produces a bucket endpoint URL leading to the website.



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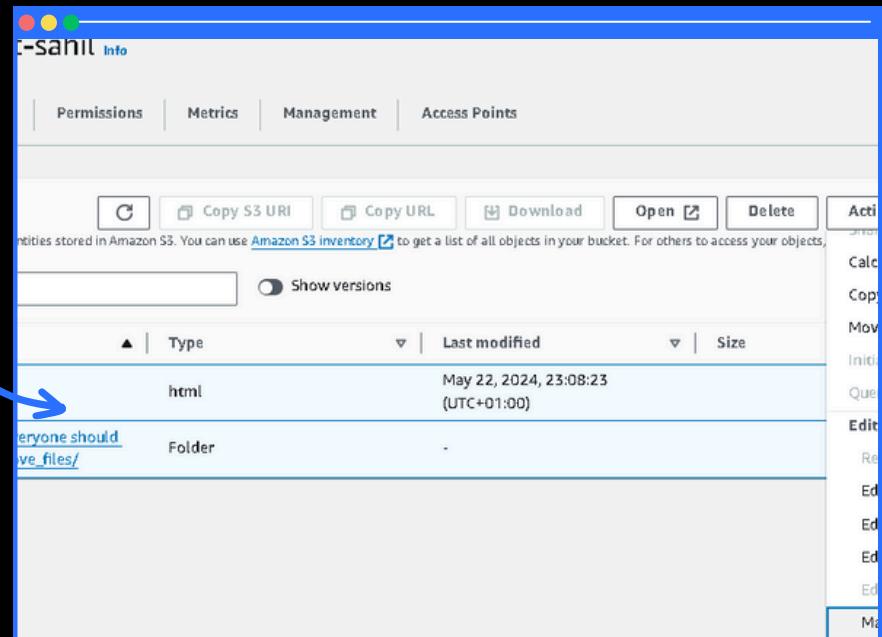
# AN ERROR!

- When I visited the bucket endpoint URL, I was presented with the 403 Forbidden error.
- The reason for this error was the ACL was not made public for the S3 bucket resources.



- To resolve this error, I selected the S3 bucket resources and made it public under the actions button.

Voila! My website was up  
and running after  
resolving those errors



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# MY KEY LEARNINGS

**01**

Amazon S3 is a scalable cloud storage service for storing and retrieving any amount of data from anywhere on the internet.

**02**

Static website hosting means serving pre-built, fixed content to users without server-side processing.

**03**

I configured my website with appropriate permissions and settings in my hosting service to make it accessible to the public.

**04**

The bucket endpoint URL returned an error likely due to misconfiguration. Next time I'll make the ACL public.



**Muhammad Asif Sahil**

 @yourGitHubrepo (if you have one)

# FINAL THOUGHTS...

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- This project took me 30 Minutes to complete.
- Let's delete EVERYTHING at the end! Let's keep this project free :)
- In the next phase of this project, I'm excited to level up my Lex bot one more time by creating an intent that can help users transfer funds between accounts. I'm also using AWS CloudFormation to recreate my bot in seconds!



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