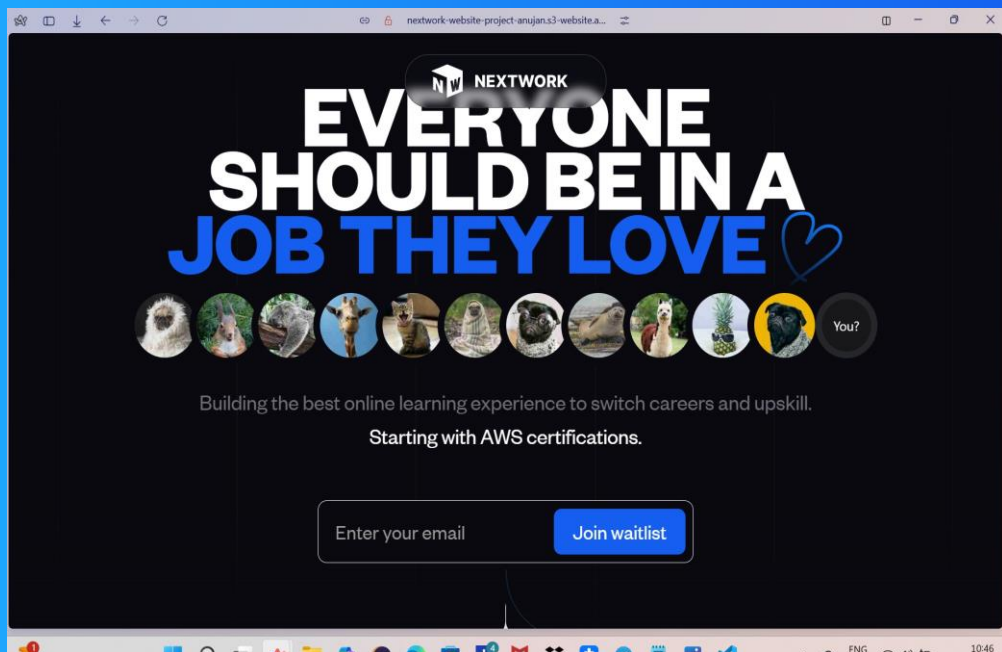


Host a Website on Amazon S3

- Anujan Govindasamy



Introducing Today's Project!

What is Amazon S3

Amazon S3 is a scalable cloud storage service that allows us to store and retrieve data. It offers high durability, security and easy access. It's Ideal for backups, hosting static websites and large data storage.

How I used Amazon S3 in this project

In my "Hosting a website on Amazon S3" project I created an S3 bucket then uploaded HTML files and other resources for a static website then enabled static hosting and allowed public permissions to access then used the S3 Bucket website endpoint URL to make connect to the static website easily.

One thing I didn't expect in this project was...

I didn't expect that hosting a website to entire world would be this easy . But again I understood the power of Cloud and AWS.

This project took me...

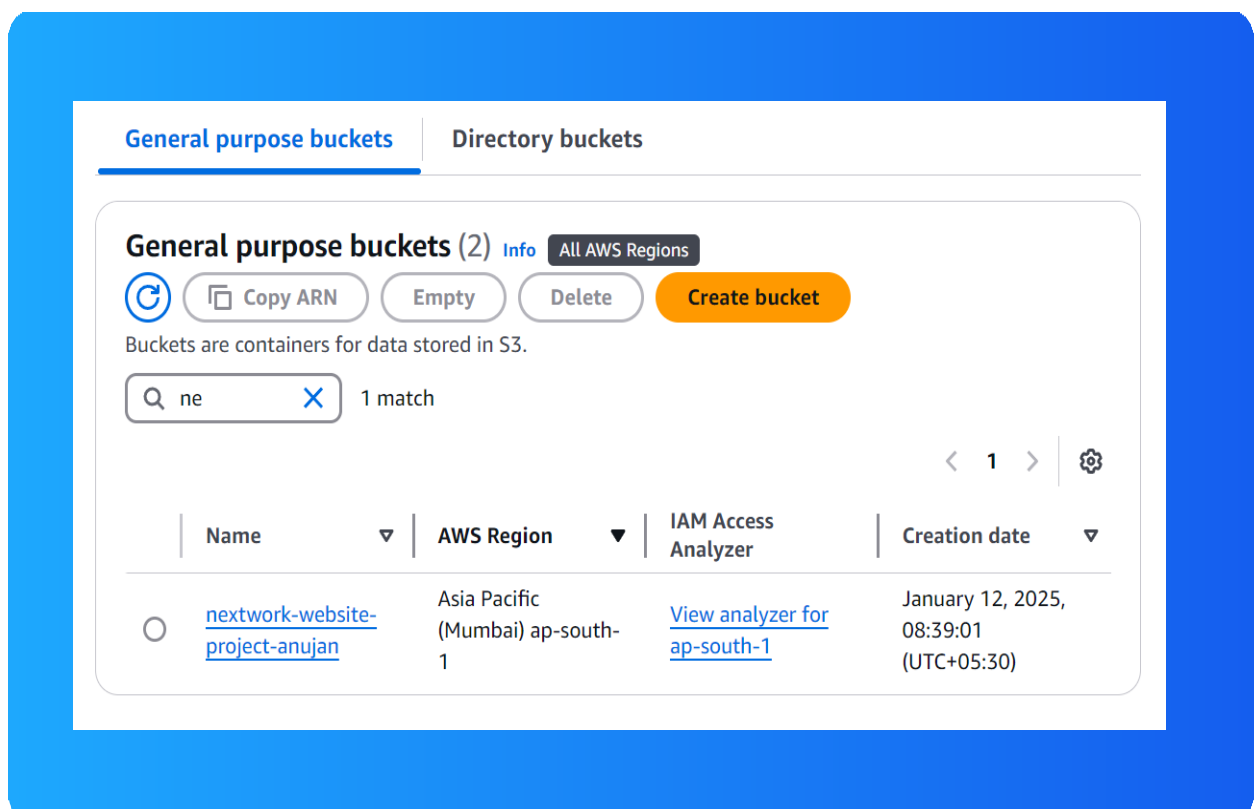
This project took me around 30 mins because I am a new bie and this is my first AWS project . But it went good and i learned a lot S3 and website hosting in S3.

How I Set Up an S3 Bucket

Creating this S3 bucket took me less than 5 mins.

I choose the Asia Pacific (Mumbai) region for my S3 bucket because it was the closest region to me in India. This proximity helps me experience faster data transfer speeds and lower latency and makes my interactions with the cloud smoother and more efficient.

When creating an S3 bucket I ensured that the name is globally unique because its part of the URL which prevents conflicts and ensures clarity. For example: if I want `my-bucket` as my bucket name and it's already taken by someone then I can't use it until that person delete's it.

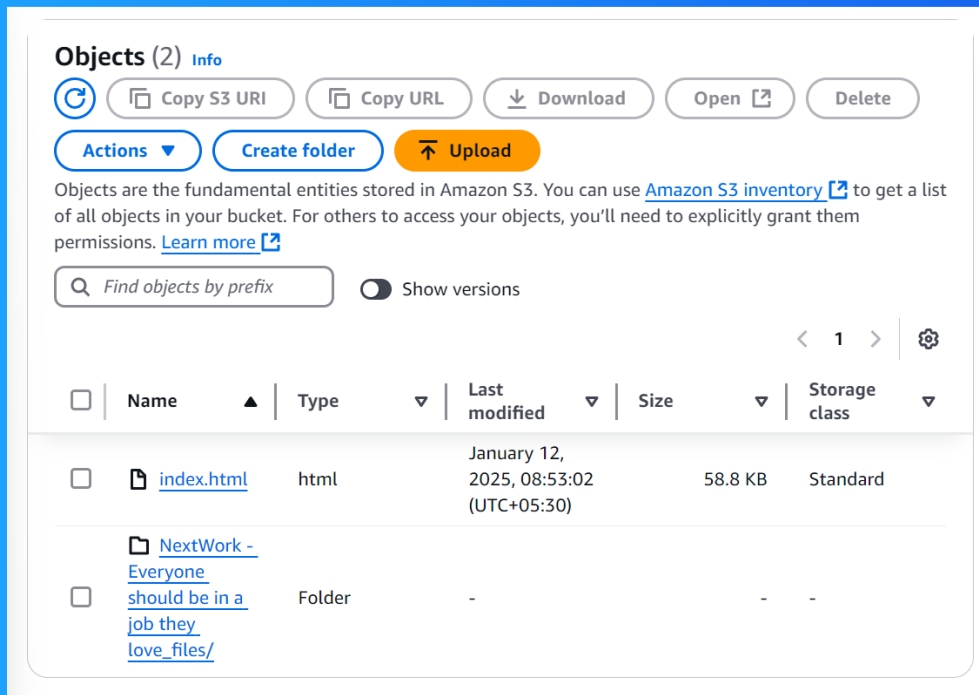


Upload Website Files to S3

index.html and image assets

The two files that I uploaded into my S3 bucket were "index.html" for web content and "NextWork - Everyone should be in a job they love_files" zip file containing project resources for easy download.

Both files were necessary for this project because the moto of this project was to host a static website on S3 and these are the files and folders containing that static website and its resources in it.

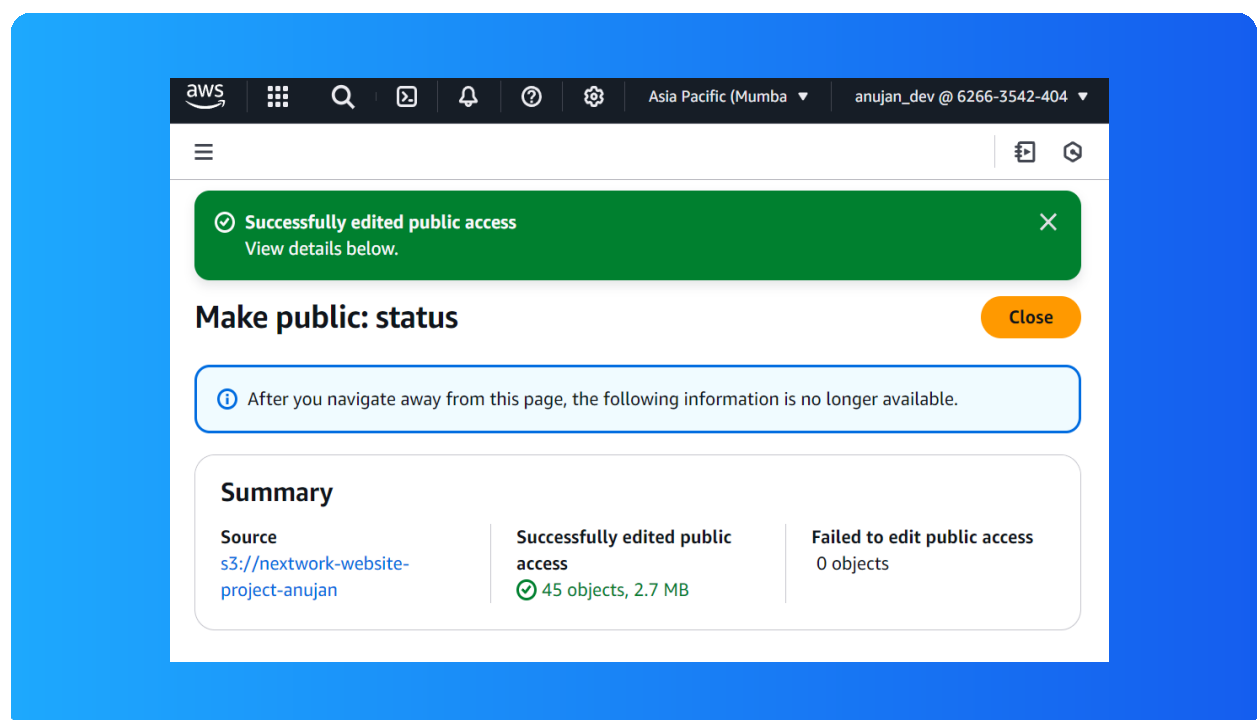


Static Website Hosting on S3

Website hosting in the context of AWS means storing website files in an S3 bucket and making them publicly accessible. So people around the world can then access the website using the provided S3 endpoint URL for easy hosting without a web server.

To enable website hosting with my S3 bucket I edited "Static website hosting" option which was located in properties of my S3 bucket.

An Access Control List (ACL) in AWS S3 defines permissions for buckets and objects. It specifies who (users / groups) can access resources and what actions they're allowed to perform. I have enabled ACL and also the public access in this project to get a global access to the hosted website.



Bucket Endpoints

The bucket website endpoint URL is a unique link that allows us to access and serve static content from my S3 bucket.

I first visited the bucket endpoint URL, I saw the website was hosted but its full of text and not a interactive web page. The reason for this error was I enabled "make public using ACL for my "index.html" file but I forgot to enable it for other one

S3 static website hosting

Enabled

Hosting type

Bucket hosting

Bucket website endpoint

When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)

<http://nextwork-website-project-anujan.s3-website.ap-south-1.amazonaws.com>

Success!

After finishing all the above steps perfectly . Finally I hosted my static website in S3 where it could be accessed by any one globally.

