

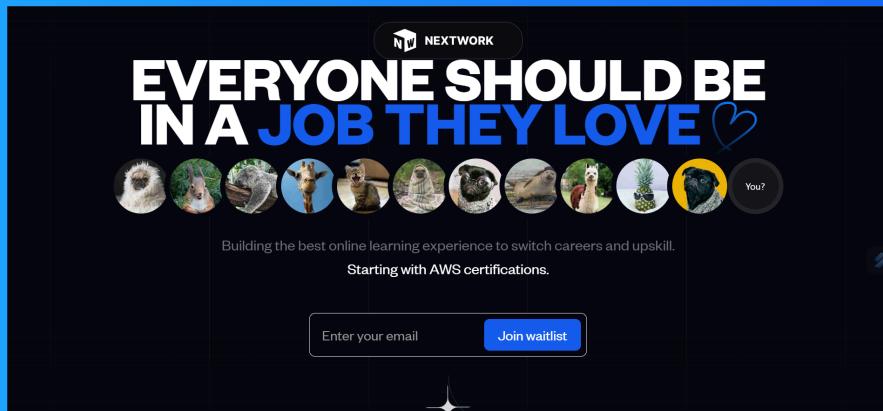


NextWork.org

Host a Website on Amazon S3



rubangill33@gmail.com



Introducing Today's Project!

What is Amazon S3

Amazon S3(Simple Storage Service) is a cloud storage that allows users to store files and folders in form of objects in storage containers known as buckets. It is useful because there is need to store files on local storage.

How I used Amazon S3 in this project

I created a bucket and uploaded files needed to render the webpage correctly. After that, I enabled the static website hosting property in the bucket settings. On visiting the link, there was an error because of private resources but I resolved it.

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

The website went live in few minutes that is unlikely to happen if a local server is used.

This project took me...

This project took me around 45 minutes that include the time taken to resolve the error encountered.

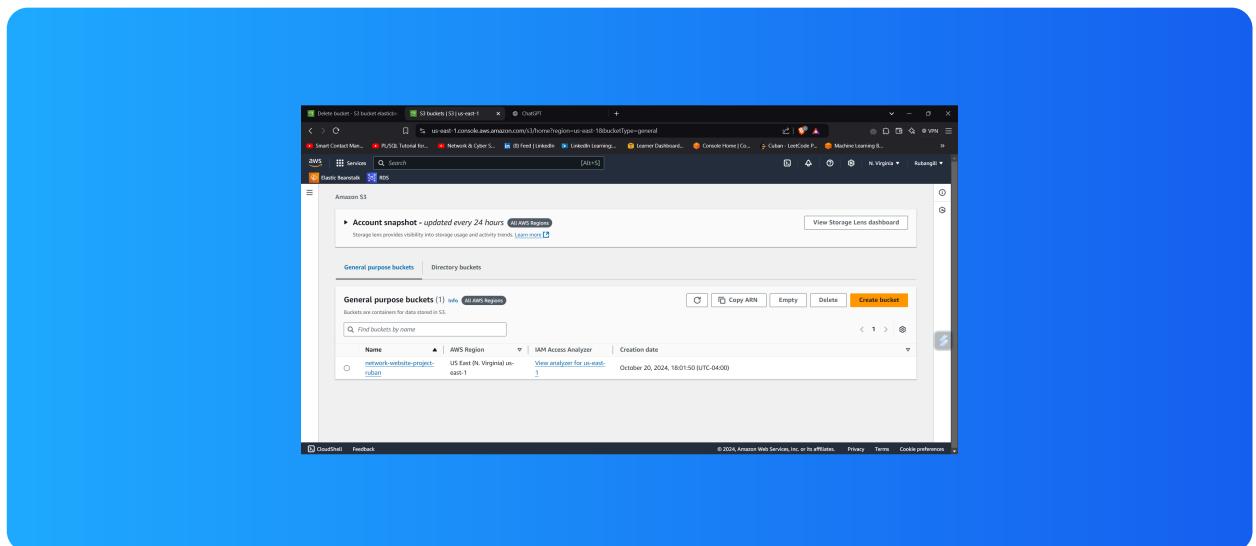


How I Set Up an S3 Bucket

Creating an S3 bucket took me just 1 minute, it is so simple and easy once you are familiar with all the parameters.

The region I picked for my S3 bucket was US East (N. Virginia) because it is close to my current location.

S3 bucket names are globally unique! This means no other bucket in any region can have the same name unless the it is deleted.

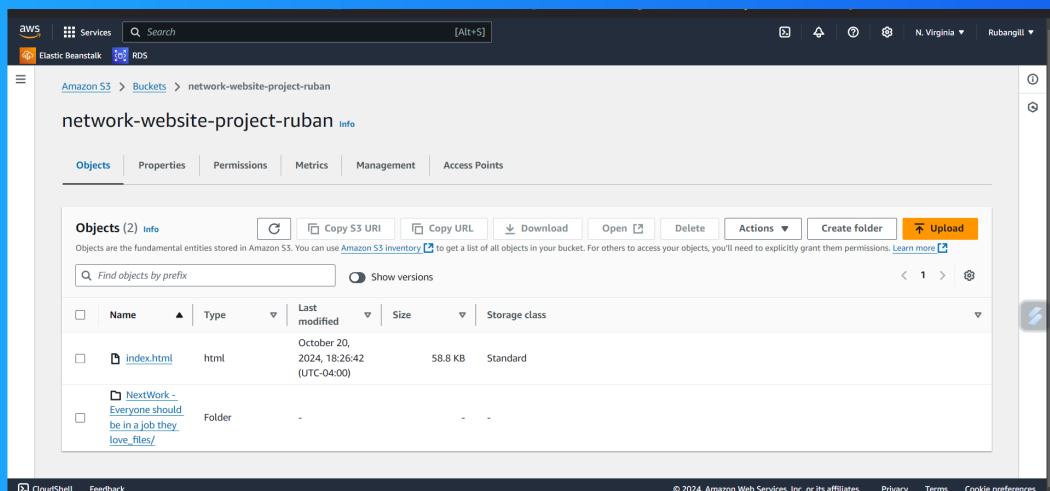


Upload Website Files to S3

index.html and image assets

I uploaded two files to my S3 bucket - they were "index.html" and folder containing media files "NextWork - Everyone should be in a job they love_files". It took around 2 minutes to upload them.

Both files are necessary for this project as index.html is the html page which defines the landing page after hosting and the folder contains all the resources required like images on the webpage.



Static Website Hosting on S3

Website hosting means making the website accessible on the internet by storing the files on the web server. After hosting, anyone can access the website using the link.

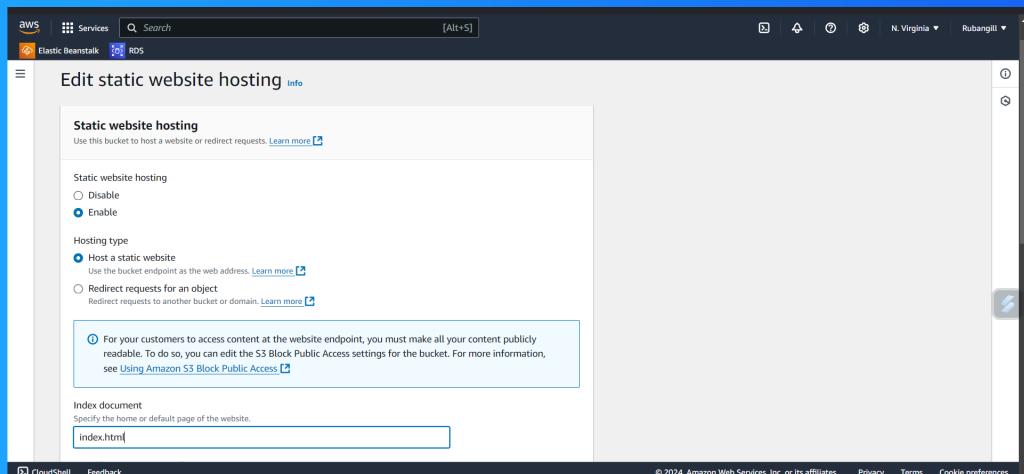
To enable website hosting with my S3 bucket, I modified the properties of S3 bucket. I enabled the static hosting and the website went live online.

Access Control Lists (ACL)

An ACL is also known as Access Control List that helps users define permissions for public access. It basically gives you control over who can access the objects inside the bucket.

Bucket Endpoints

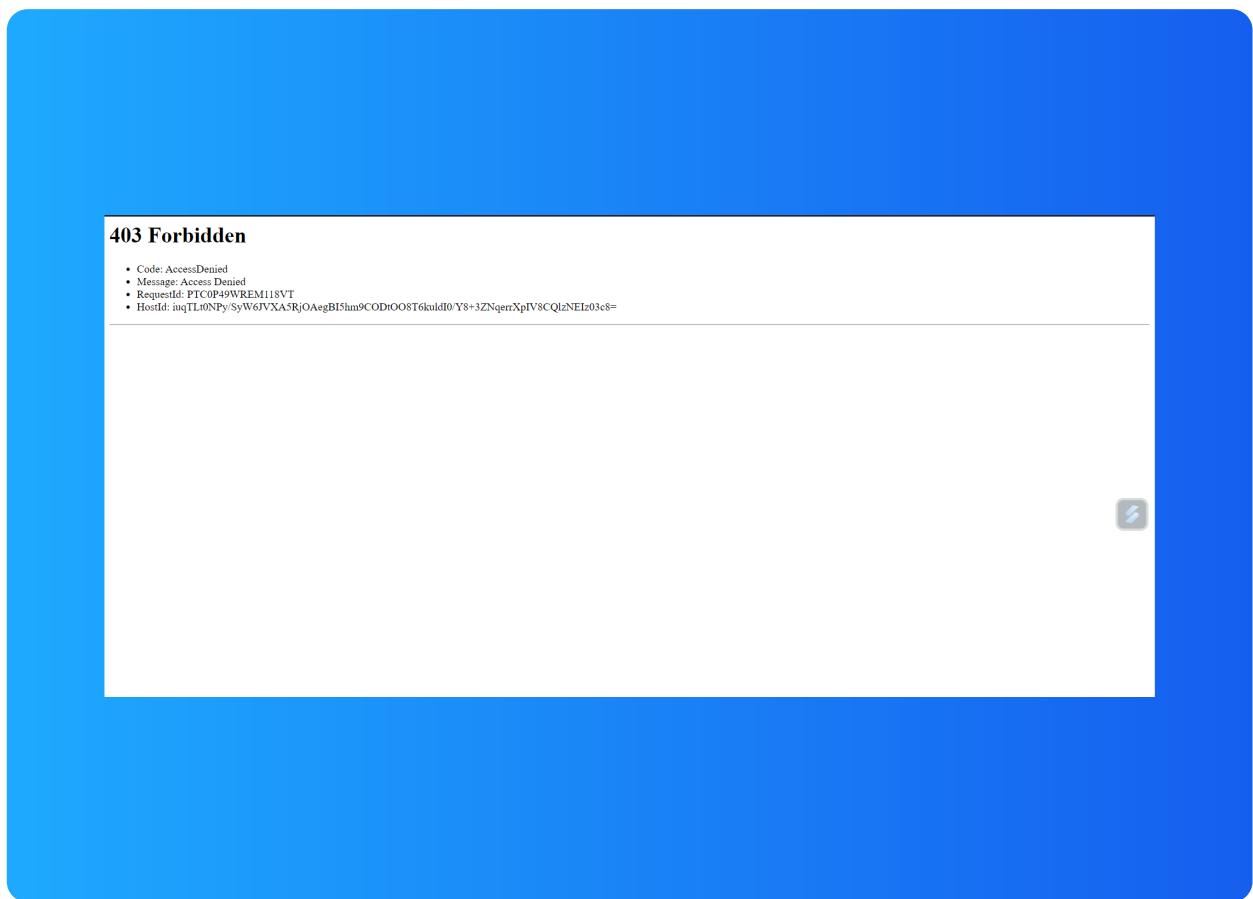
Once static website is enabled, S3 produces a bucket endpoint URL, which is a link generated to easily access the website from anywhere.



An error!

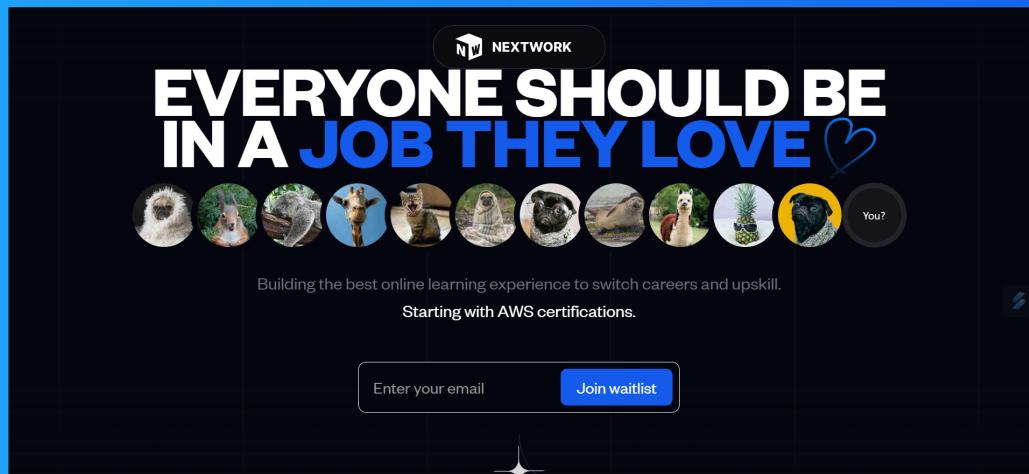
When I first visited the bucket endpoint URL, I saw an error stating "403 Forbidden" and the information about the request.

The reason for this error was the accessibility of the uploaded files because they are still private by default. The bucket is visible but contents cannot be seen by others.



Success!

To resolve this connection error, I followed the instructions in one of the community posts. The error was caused by wrong folder being uploaded. So, I deleted the previous folder and uploaded the correct one.





NextWork.org

Everyone should be in a job they love.

Check out nextwork.org for
more projects

