



NextWork.org

Host a Website on Amazon S3

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Introducing Today's Project!

What is Amazon S3

Amazon S3 (Simple Storage Service) is a scalable object storage service provided by Amazon Web Services (AWS). It is designed for storing and retrieving any amount of data from anywhere on the web.

How I used Amazon S3 in this project

I used Amazon S3 to host a personal static website by creating an S3 bucket, enabling static website hosting, and uploading HTML files. The bucket was configured to allow public access, and the website was accessible via the assigned S3 URL.

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

One thing I didn't expect in this project was how straightforward it was to configure the permissions for public access in Amazon S3. Initially, I thought the process would involve more complex security settings, but the steps for static website host

This project took me...

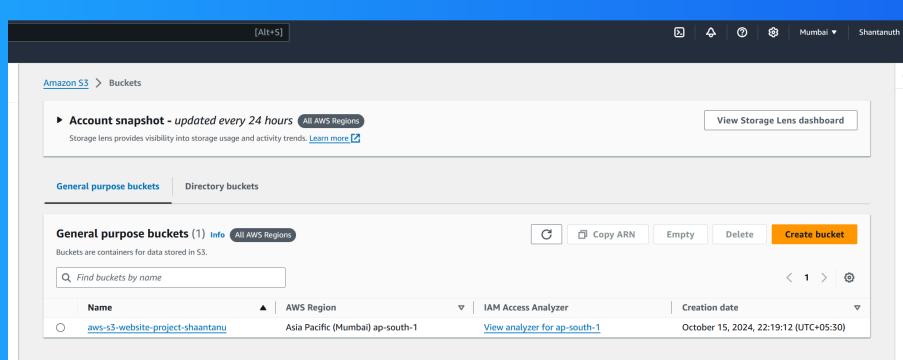
i think it took around 30 mins to complete the project

How I Set Up an S3 Bucket

it took around 5 mins to create a project

The Region I picked for my S3 bucket was Asia Pacific (Mumbai)ap-south-1

S3 bucket names are globally unique! This means that each bucket name must be distinct across all AWS users worldwide. No two buckets can have the same name, regardless of the region or account, ensuring unique access URLs for each S3 bucket.

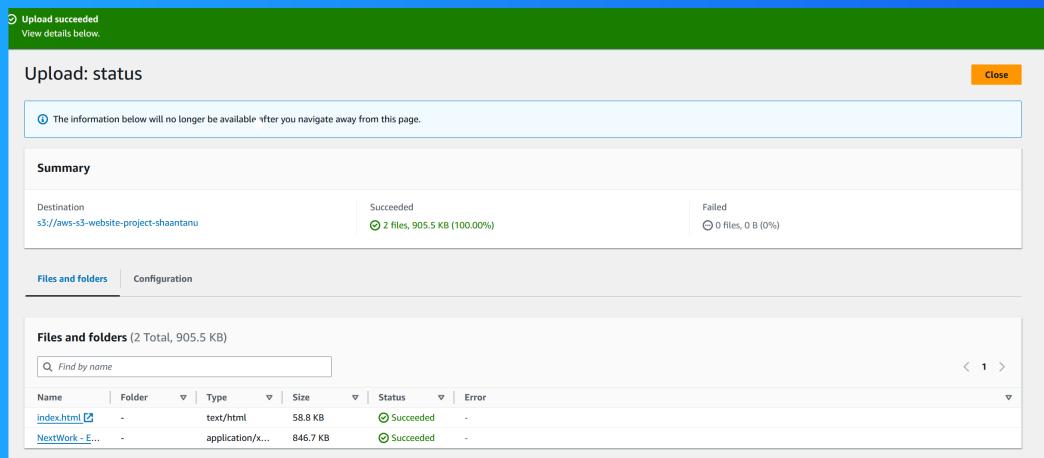


Upload Website Files to S3

index.html and image assets

the two files uploaded were "index.html" and "NextWork - Everyone should be in a job they love_files.zip"

Both files are necessary for this project as the 'index.html' provides the structure and content of the webpage, while the "NextWork - Everyone should be in a job they love_files.zip" contains images and .svg files that enhance the visual elements.



Static Website Hosting on S3

Website hosting means what makes your website public on the internet.storing your HTML file (and the other files for your website) on a web server, so it's accessible online.

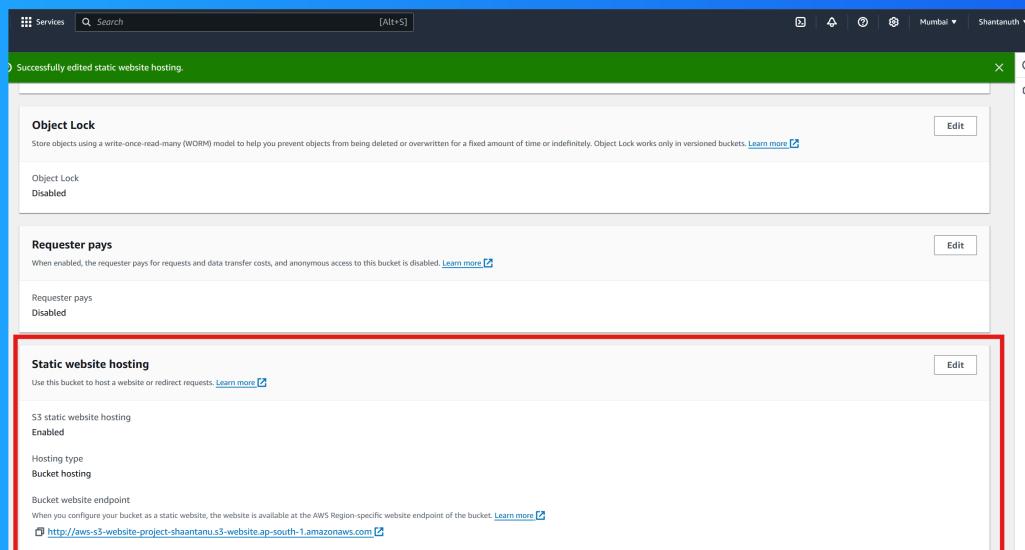
To enable website hosting with my S3 bucket, I first navigated to the bucket settings, enabled static website hosting, and specified the `index.html` as the entry point. Then, I updated the bucket's permissions to allow public access so the site

Access Control Lists (ACL)

An ACL is a set of rules that decides who can get access to a resource. I kept the ACL's disabled

Bucket Endpoints

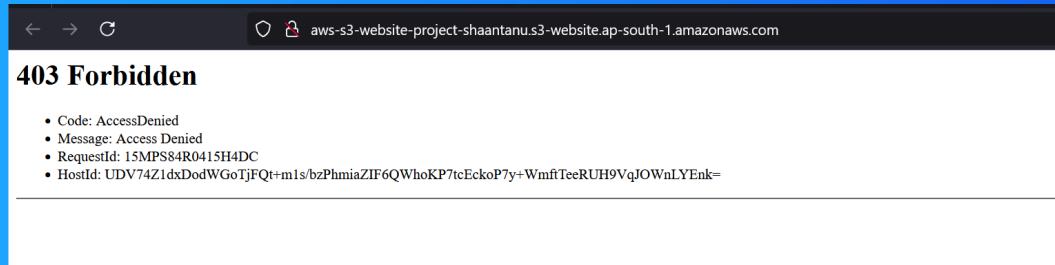
Once static website hosting is enabled, S3 produces a bucket endpoint URL, which is a unique web address where the static website can be accessed. URL: <http://aws-s3-website-project-shaantanu.s3-website.ap-south-1.amazonaws.com/>



An error!

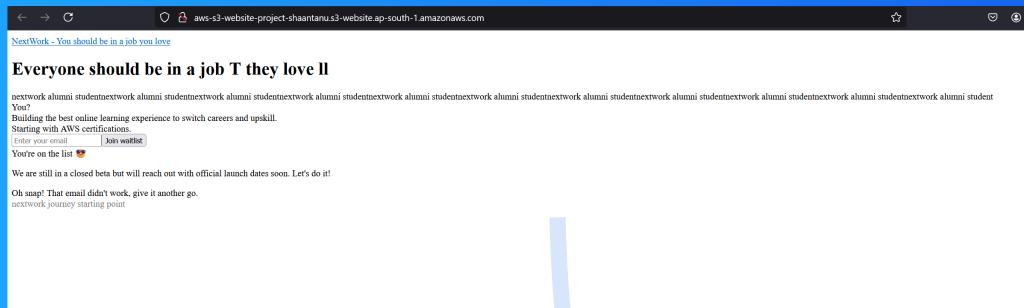
When I first visited the bucket endpoint URL, I saw 403 forbidden error with access denied on the web page

The reason for this error was that public access permissions weren't properly configured. S3 buckets are private by default, requiring explicit permissions for public access.



Success!

To resolve this connection error, I used ACLs to make objects "index.html" and "NextWork - Everyone should be in a job they love_files.zip" in S3 bucket public





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