

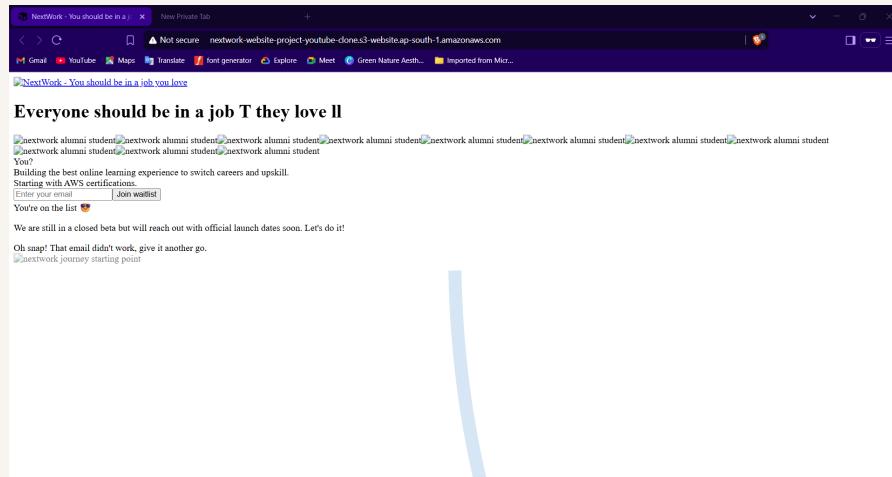


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Host a Website on Amazon S3



Aayisha Noora J



Introducing Today's Project!

In this project, I will demonstrate Simple Storage Service(S3) using Amazon Web Services(AWS). I'm doing this project to learn S3 hosting for static pages.

Tools and concepts

Service I was S3 Key concepts I learnt include creating a s3 bucket, versioning, hosting a website and resolved 403 forbidden error

Project reflection

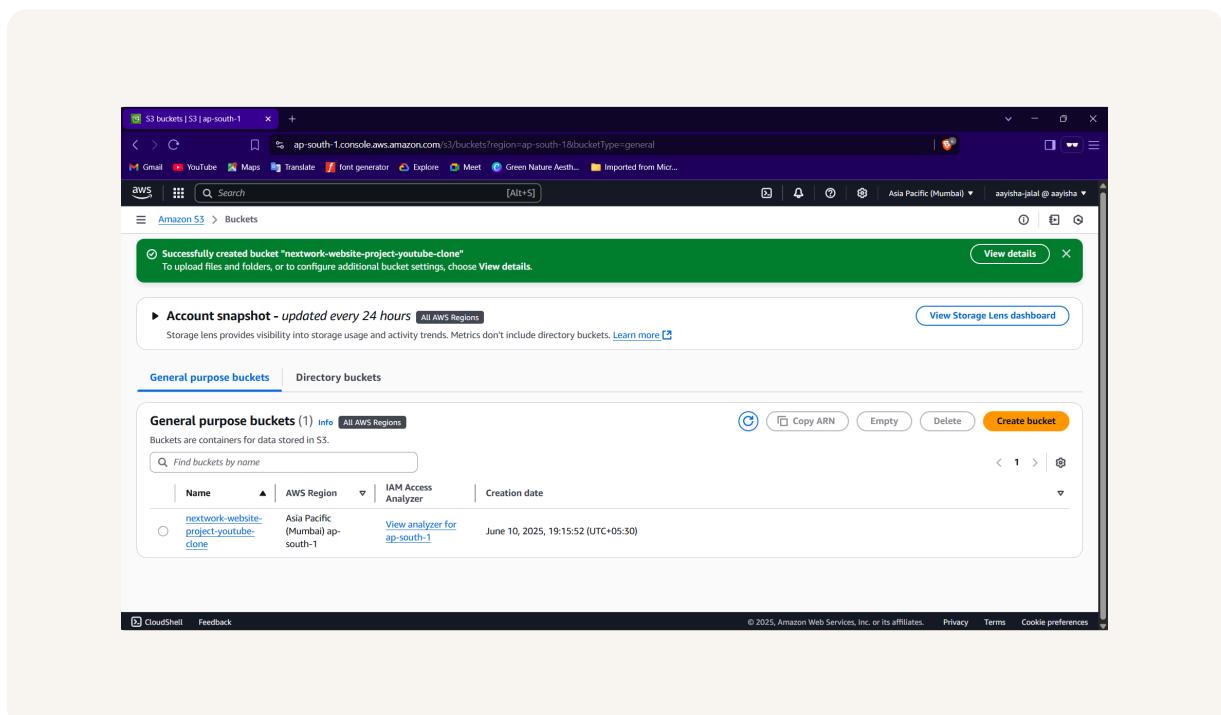
This project took me approximately 30mins. The most challenging part was to resolve the error. It was most rewarding to learn to host a website on s3.

How I Set Up an S3 Bucket

Creating an S3 bucket took me less than a minute.

The Region I picked for my S3 bucket was ap-south-1 Asia-pacific (Mumbai). This region is near to my location so that I have chosen it.

S3 bucket names are globally unique! This means the S3 buckets cannot have same name and it is strict to provide unique. The name cannot be used by any other user unless one user deletes it.





Upload Website Files to S3

index.html and image assets

I uploaded two files to my S3 bucket - they were index.html and images.zip

Both files are necessary for this project as HTML is the structure of the webpage and Images are necessary portion of this website.

The screenshot shows the AWS S3 console interface. The top navigation bar includes links for Gmail, YouTube, Maps, Translate, font generator, Explore, Meet, Green Nature Aest..., Imported from Micr..., and a sign-in link. The main content area shows the 'nextwork-website-project-youtube-clone' bucket. The 'Objects' tab is selected, displaying two items:

Name	Type	Last modified	Size	Storage class
index.html	html	June 10, 2025, 19:25:19 (UTC+05:30)	58.8 KB	Standard
NextWork - Everyone should be in a job they love_files/	Folder	-	-	-

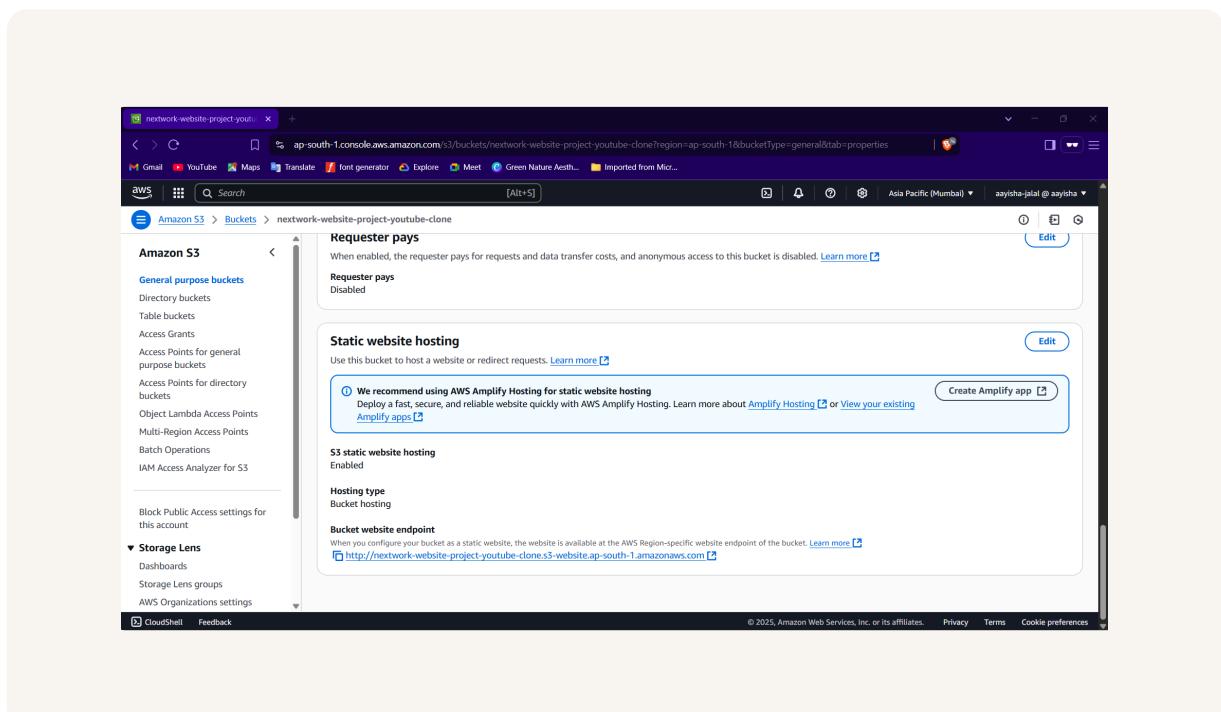
Below the table, there are buttons for Actions (Copy S3 URI, Copy URL, Download, Open, Delete), Create folder, and Upload. There is also a search bar and a 'Show versions' link. At the bottom of the page, there are links for CloudShell, Feedback, and a footer with copyright information and links for Privacy, Terms, and Cookie preferences.

Static Website Hosting on S3

Website hosting means making the website live online where the website is accessible to the users.

To enable website hosting with my S3 bucket, I will go to buckets section then enable

ACL means Access Control List through which the bucket accessed by other AWS accounts can be controlled. I have enabled ACL as bucket policies will make the entire bucket public but ACL allows to create specification on who can access and what

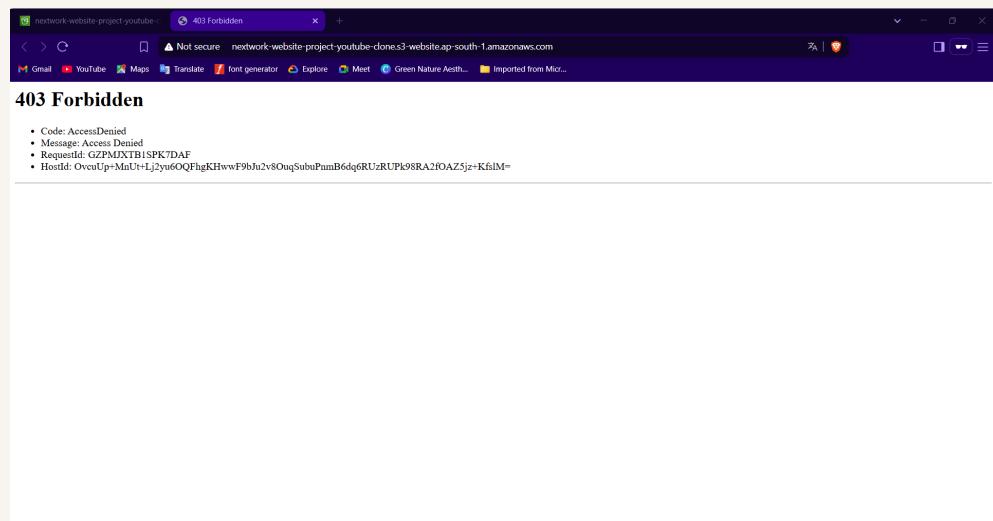




Bucket Endpoints

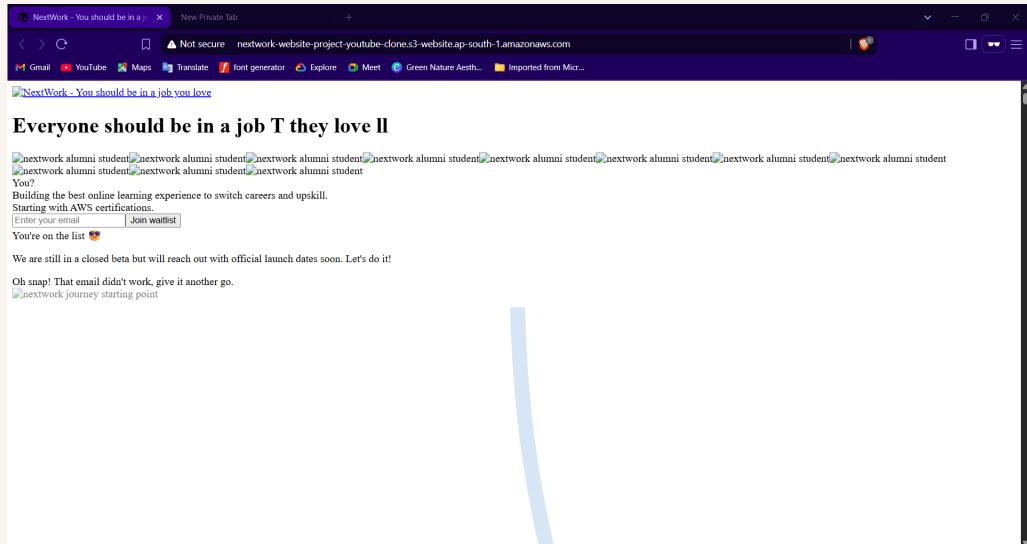
Once static website is enabled, S3 produces a bucket endpoint URL, which is link to access the hosted website.

When I first visited the bucket endpoint URL, I saw... The reason for this error was 403 forbidden



Success!

To resolve this 403 Forbidden error, I made the objects as Actions - public





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