

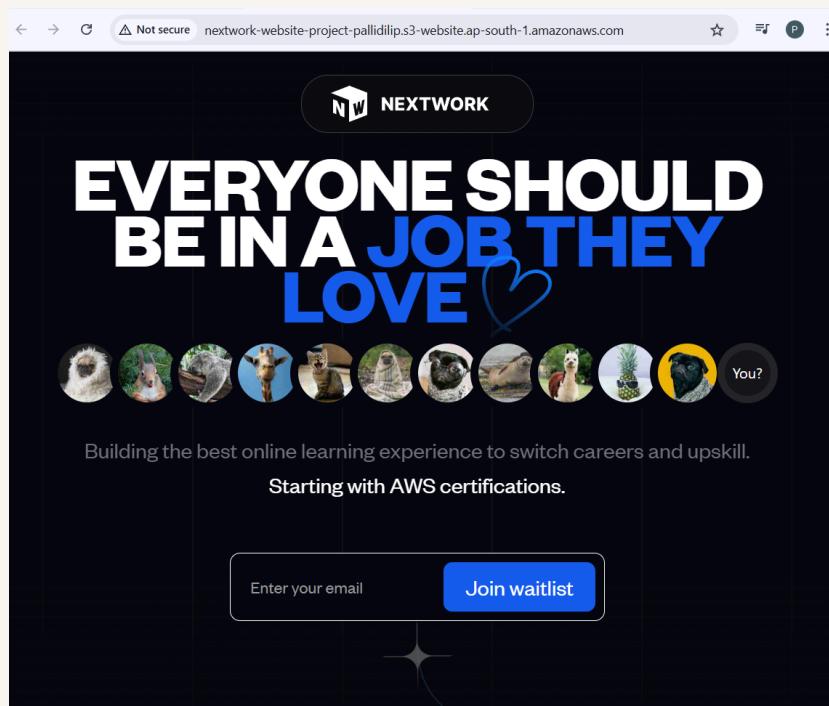


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Host a Website on Amazon S3

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Introducing Today's Project!

In this project, I will demonstrate about the S3 bucket . I'm doing this project to learn how to host a website using S3 bucket. By uploading the website content into the Amazon S3, and making it publicly accessible

Tools and concepts

Services I used were Amazon S3 .Key concepts I learnt include using the ACIs and file uploading and the static website hosting by giving the permission to accessible on internet.

Project reflection

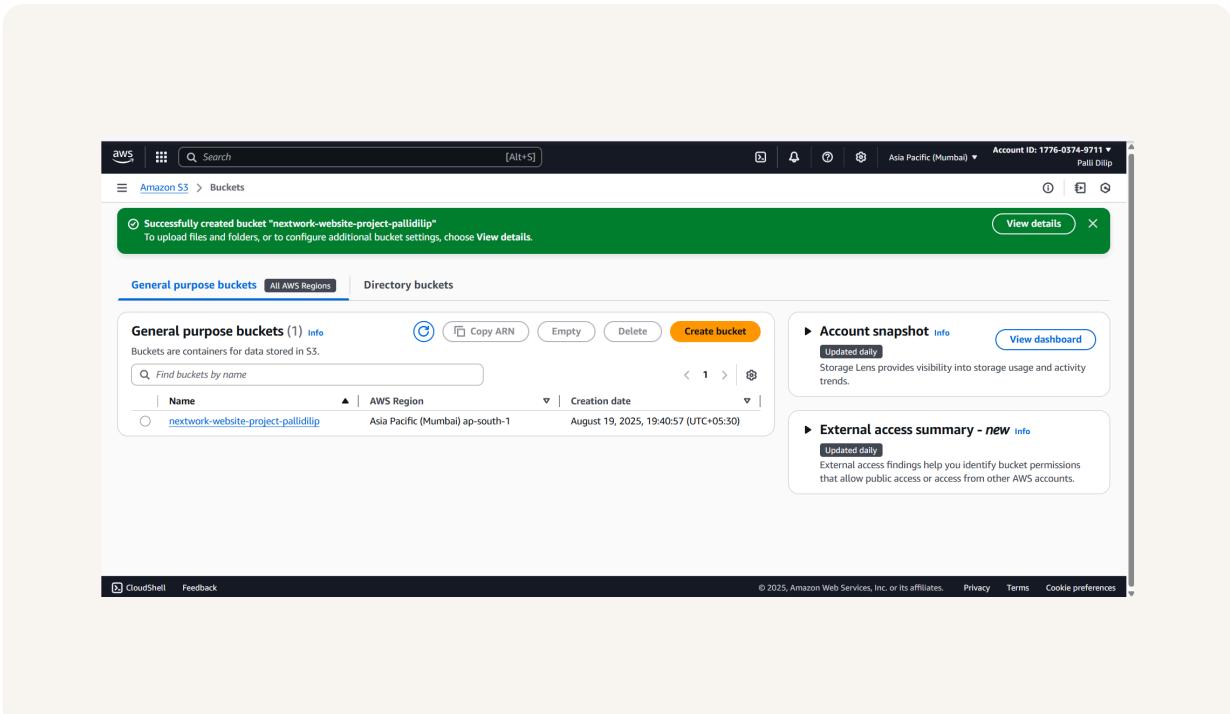
This project took me approximately 1 hour 30 minutes. The most challenging part was during the Error time , because the files were not public . It was most rewarding to use the ACIs so, it made simple to do this .

How I Set Up an S3 Bucket

Creating an S3 bucket took me 1 to 2 minutes and it's so simple to use this bucket.

The Region I picked for my S3 bucket was mumbai because it was near to me .

S3 bucket names are globally unique! This means every bucket that created should be unique name form others , who create there own bucket shoulkd have the unique name.

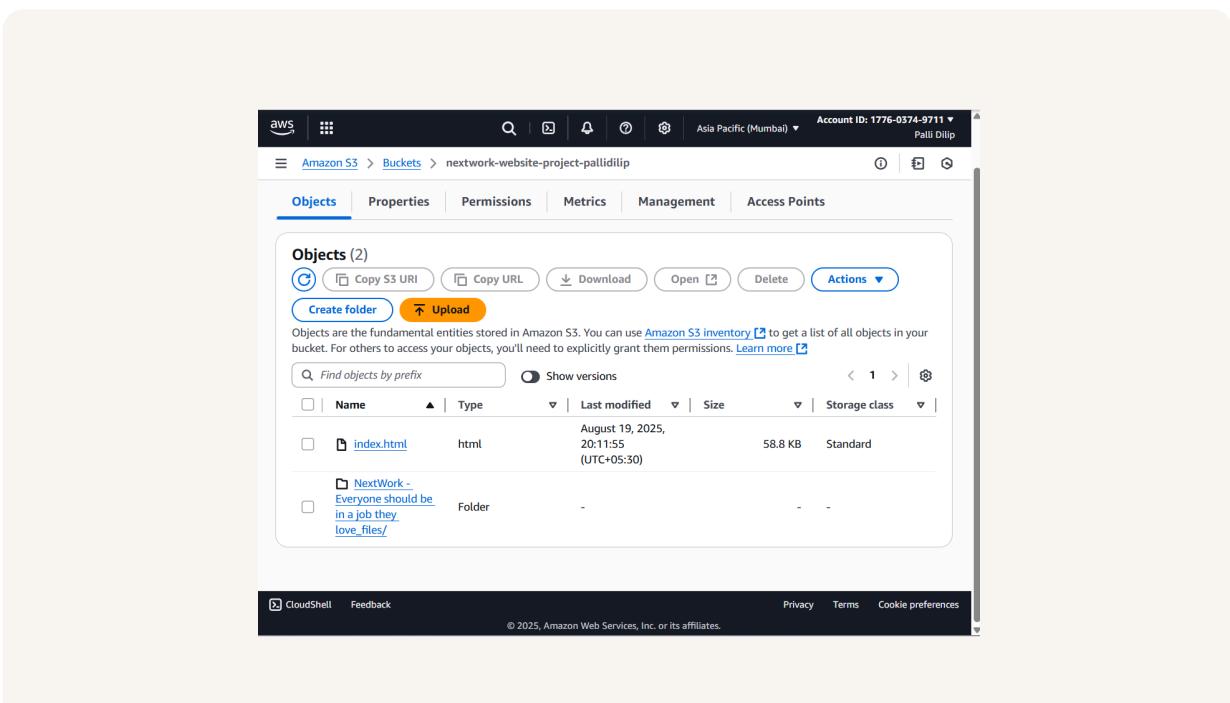


Upload Website Files to S3

index.html and image assets

I uploaded two files to my S3 bucket - they were one is index.html file that is the file that is the blue print of the website and other one is zip that consist of images of the website

Both files are necessary for this project as the html file tells the structure of the website, but the file doesn't consist of the contents in the website so, I separately uploaded the assests or contents of that website as images .

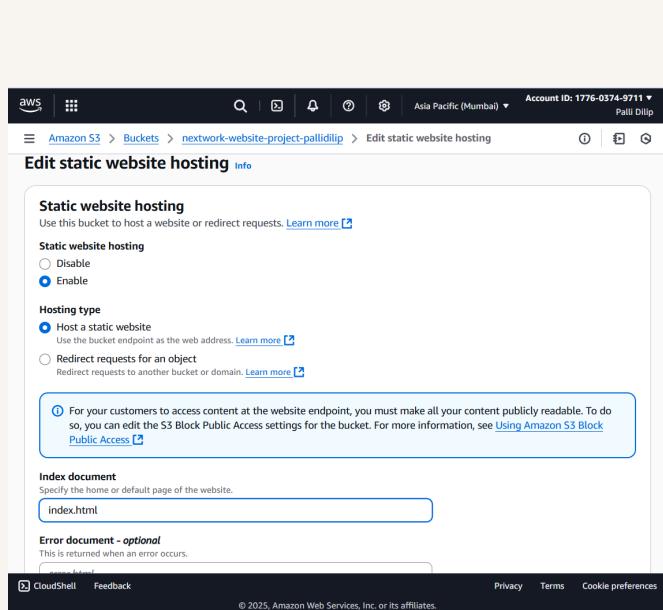


Static Website Hosting on S3

Website hosting means making the website publically visible . Has the html file is stored on our laptop, it can not be seen by any by using the static website hosting. it can accessible in online

To enable website hosting with my S3 bucket, I went to the properties in the bucket file i created and then in properties at last we can see the static website hosting option through editing ,i enabled the static website hosting

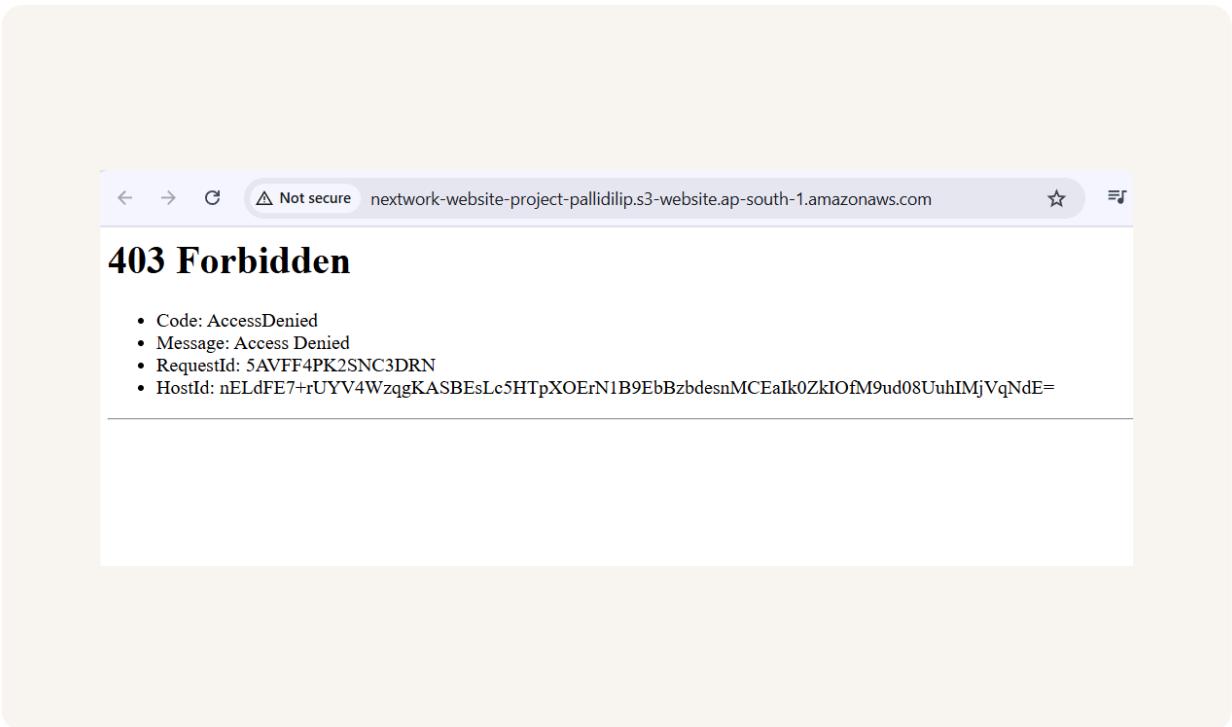
An ACL is Access Control List , i have enabled it so that, it gives permission to access all the files in bucket , to acces each object in the bucket individually



Bucket Endpoints

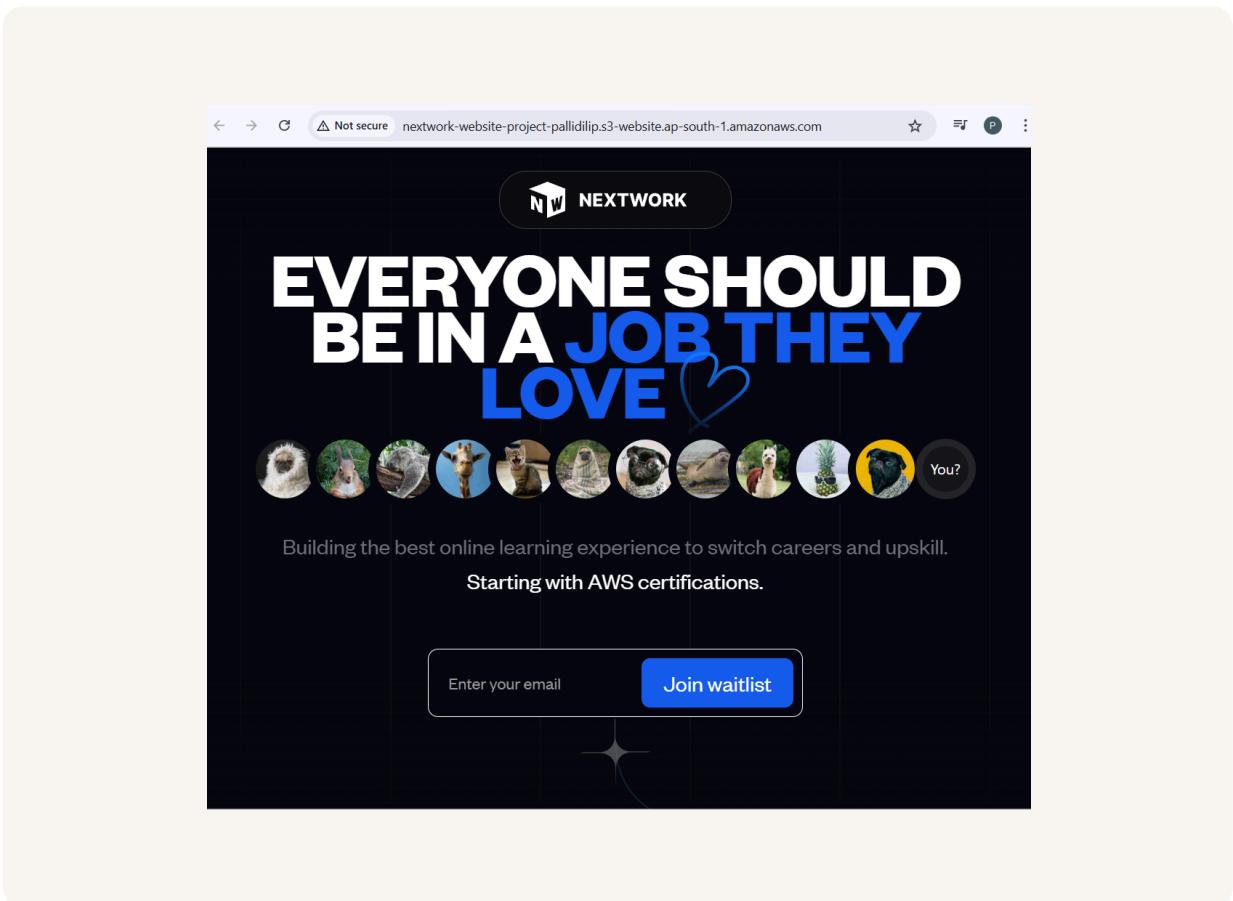
Once static website is enabled, S3 produces a bucket endpoint URL, which is like a regular website url but, in this url we can see the files inside the S3 bucket

When I first visited the bucket endpoint URL, I saw an error of 403 .The reason for this error was i wasn't made the files i uploaded to public there are still private .



Success!

To resolve this 403 Forbidden error, I went to the objects section and ticked the checkboxes near the file names and i went to the Actions in that i selected the Make public using the ACL option. and the problem solved.





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