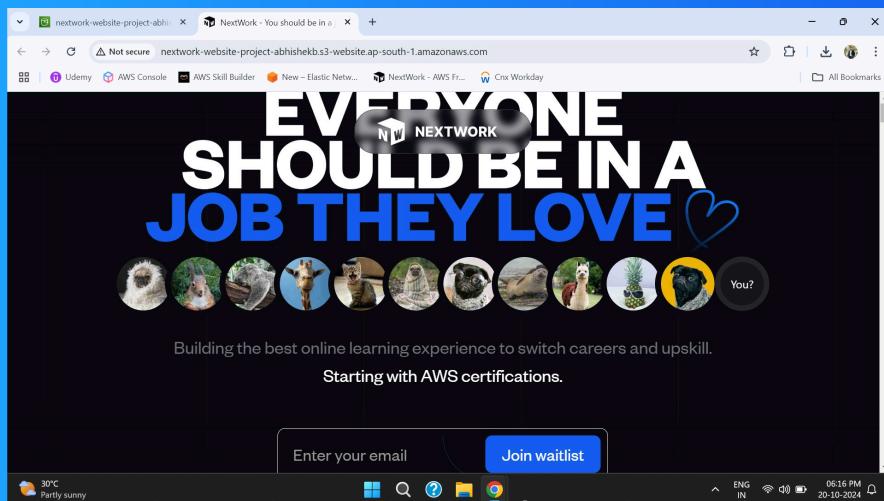




Host a Website on Amazon S3



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Introducing Today's Project!

What is Amazon S3

AWS S3 makes it easy to host websites and store Objects.

How I used Amazon S3 in this project

Used Amazon S3 to create a bucket and stored objects and files and hosted a static website.

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

Even after disabling blocked public access, i still got the 403 forbidden error.

This project took me...

30 mins

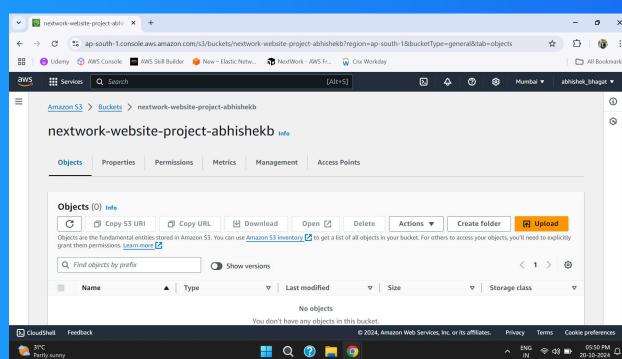


How I Set Up an S3 Bucket

1 min

The Region I picked for my S3 bucket was ap-south-1 because that is the closest to where I am.

S3 bucket names are globally unique! This means that the names have to separate over the internet.



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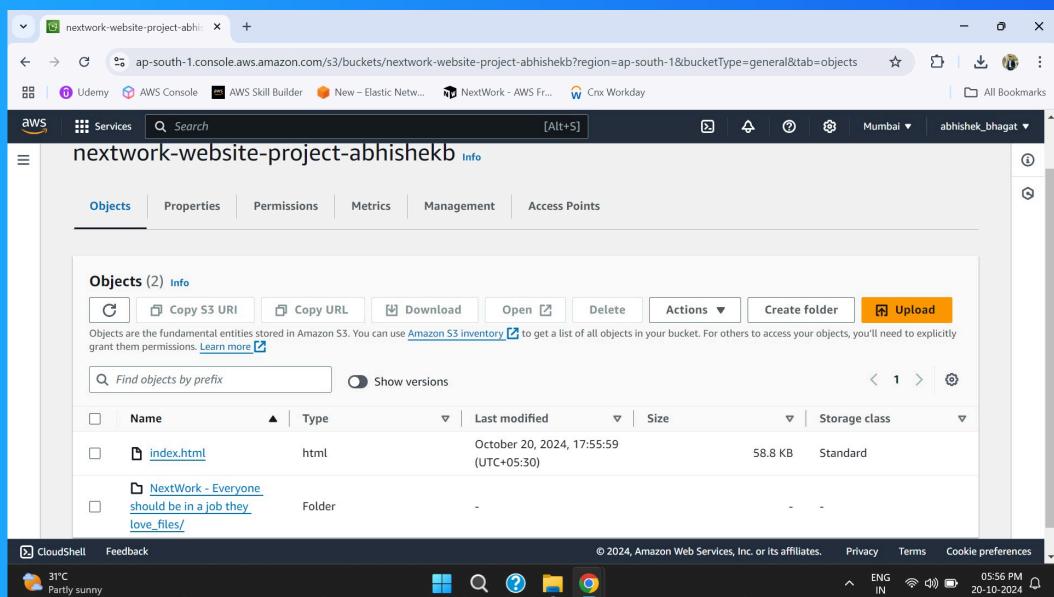
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Upload Website Files to S3

index.html and image assets

uploaded two files to my S3 bucket - they were index page and another one is in their folder.

Both files are necessary for this project as they are inter-related to each other as the folder contains objects and files which will be useful to keep as a path for index.html





Static Website Hosting on S3

Website hosting means making it accessible over the internet

To enable website hosting with my S3 bucket, I went into Properties section of my bucket and enabled Static website hosting.

Access Control Lists (ACL)

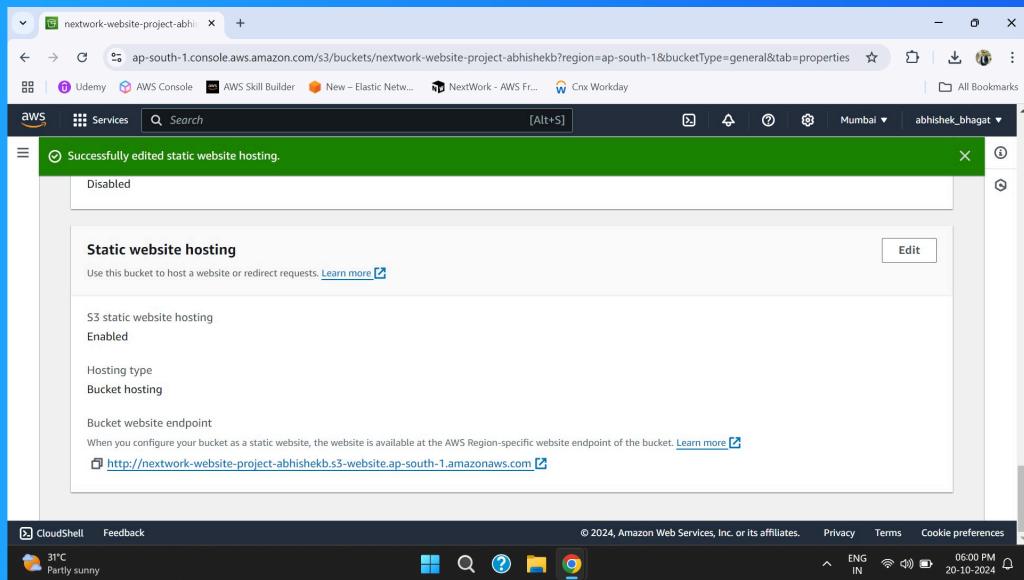
I enabled ACL so that my bucket can have public access but by default, AWS leaves it disabled as you would not want to share your company data.

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Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is index.html





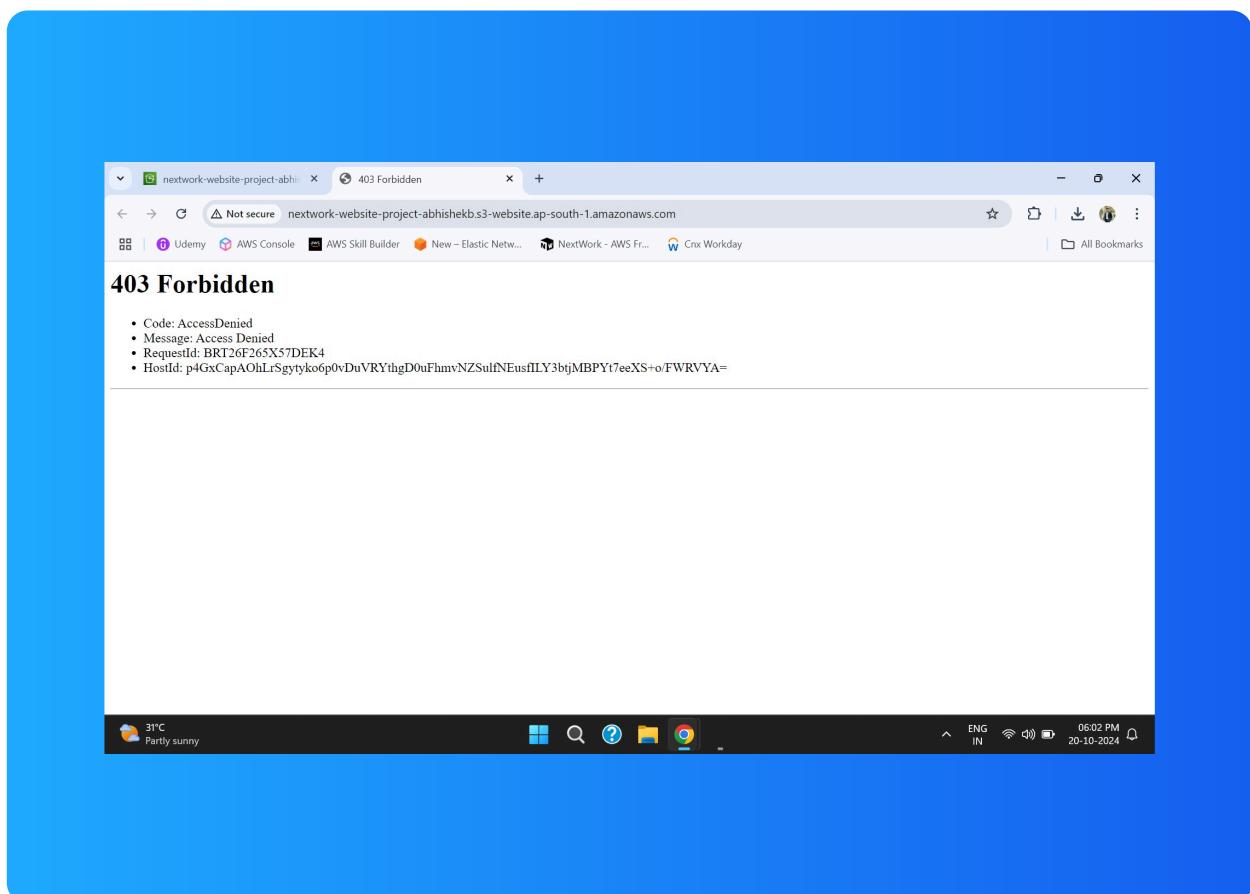
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An error!

When I first visited the bucket endpoint URL, I saw 403 Forbidden.

The reason for this error was because the static website is being hosted by S3, but the actual HTML/image files I've uploaded are still private.



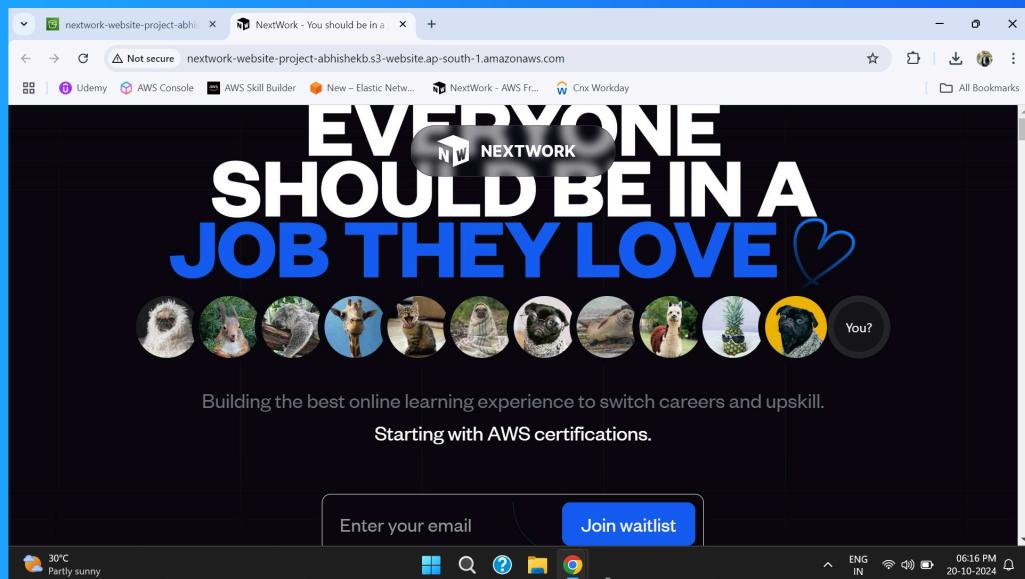


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Success!

To resolve this connection error, I updated the generated Policy via Policy Generator with /* to make accessible to all the resources and then I went into Bucket > Permissions > ACL > Made it Enabled and then I made it public.





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