

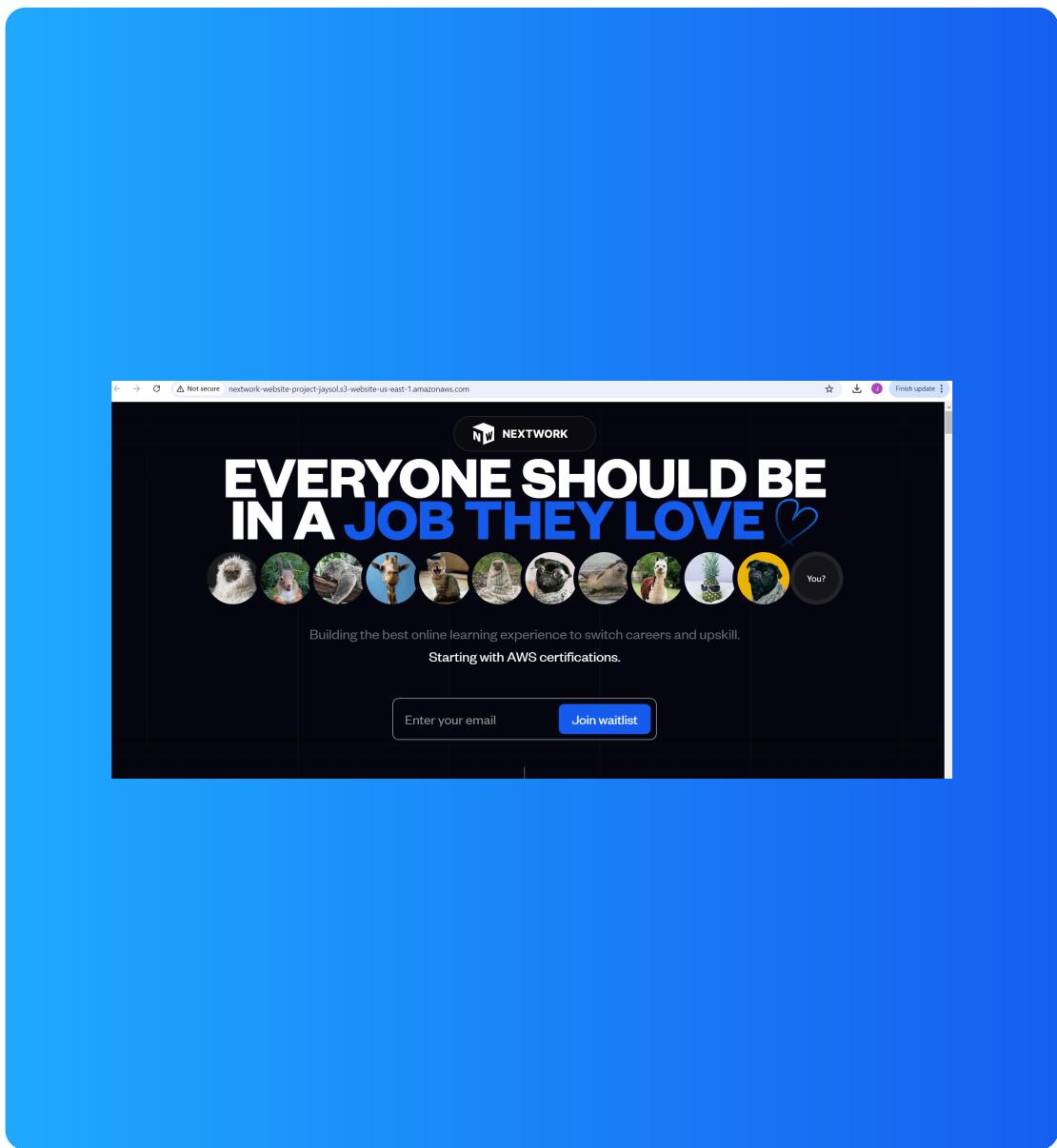


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Host a Website on Amazon S3



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Introducing Today's Project!

What is Amazon S3

It is a storage object allowing users to upload, configure and utilize various objects.

How I used Amazon S3 in this project

Created an S3 bucket. Stored components in it. Modified their ACLs or permissions. Hosted a website through uploaded objects.

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

Running into minor issues of fetching files from the unzipped folder's correct path.

This project took me...

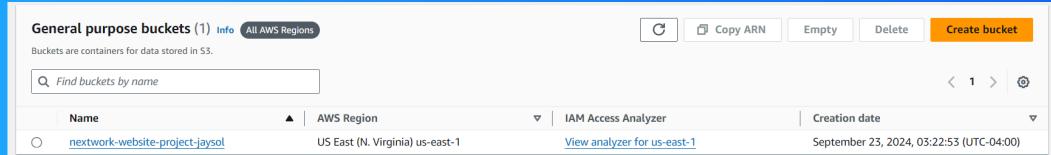
Around 20 minutes

How I Set Up an S3 Bucket

Creating an S3 bucket took me 2 minutes.

The Region I picked for my S3 bucket was US East (N. Virginia) us-east-1 because it is closest to me

S3 bucket names are globally unique! This means there are no duplicate names around the world

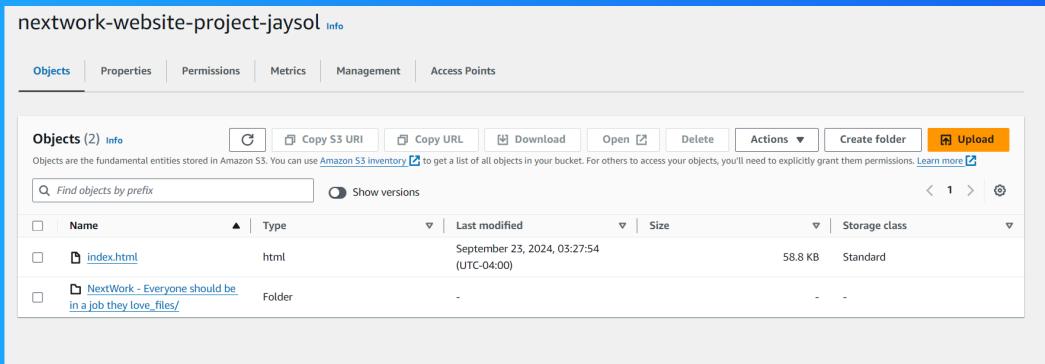


Upload Website Files to S3

index.html and image assets

I uploaded two files to my S3 bucket - they were index.html and a folder containing all image data.

Both files are necessary for this project as one helps in navigation and the other in forming content and displaying it.



Static Website Hosting on S3

Website hosting means hosting a website for users on different machines to use

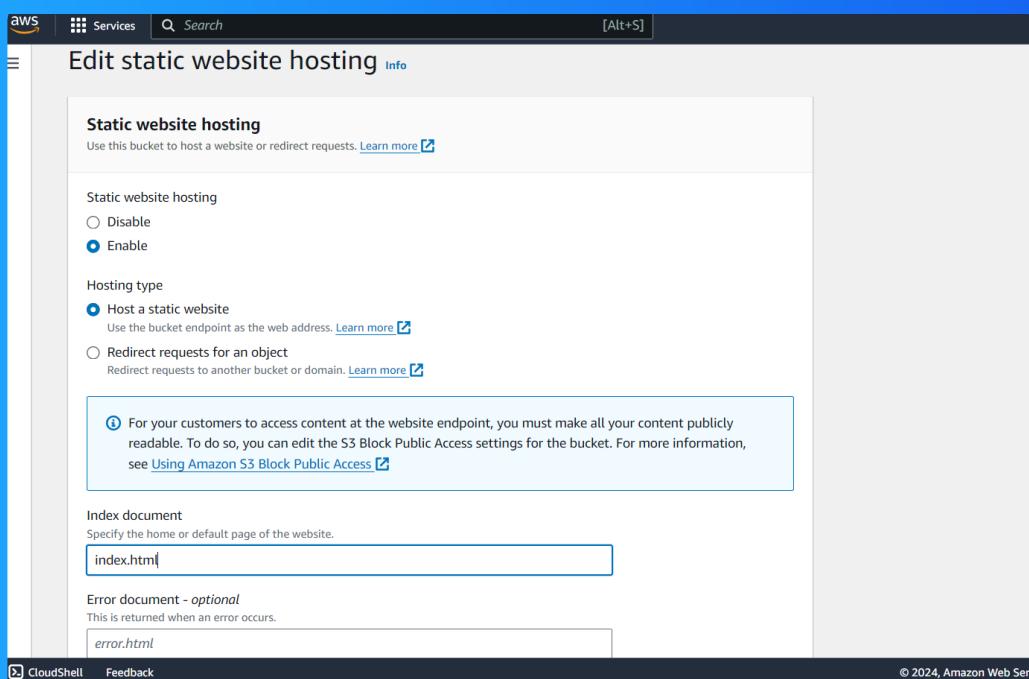
To enable website hosting with my S3 bucket, I set my ACL permissions to public for my named bucket

Access Control Lists (ACL)

An ACL is an Access Control List that helps set permissions to objects in the S3 bucket. ACL was enabled for the project

Bucket Endpoints

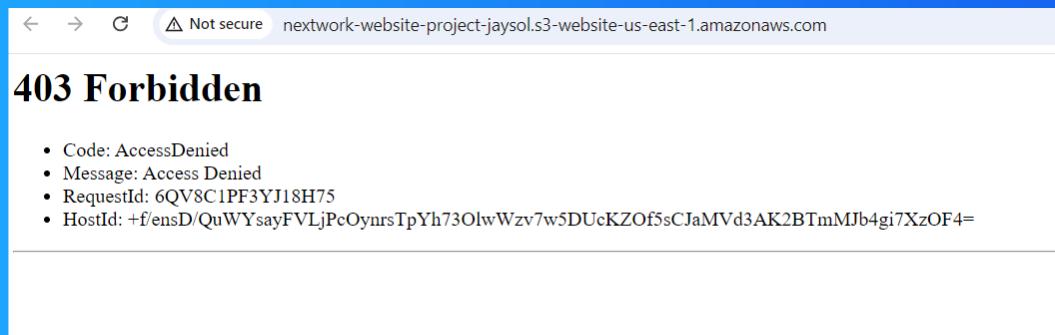
Once static website is enabled, S3 produces a bucket endpoint URL, which is used by other users to test if the bucket could be publicly accessed or not.



An error!

When I first visited the bucket endpoint URL, I saw an error code showing accessing it was not possible

The reason for this error was disabled public ACLs



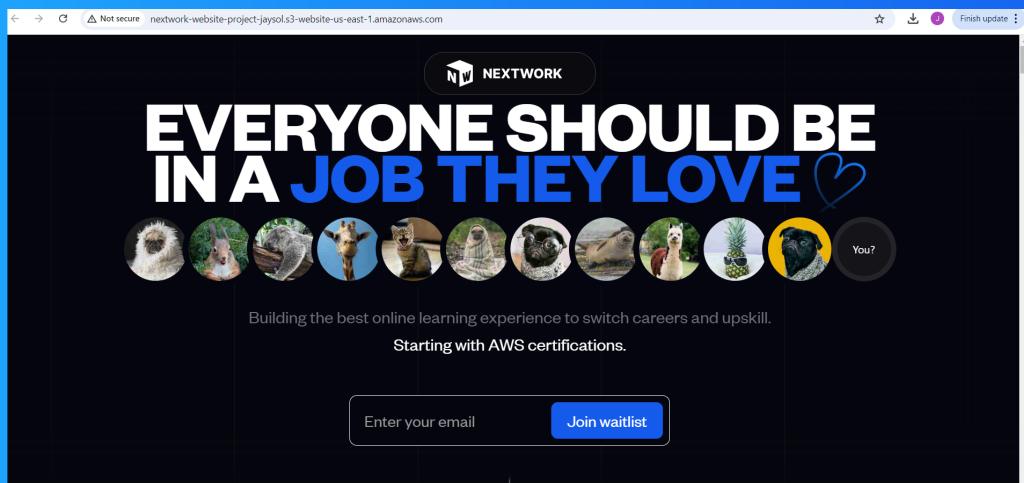
JS

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Success!

To resolve this connection error, I unzipped the folder and uploaded the child folder again.





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