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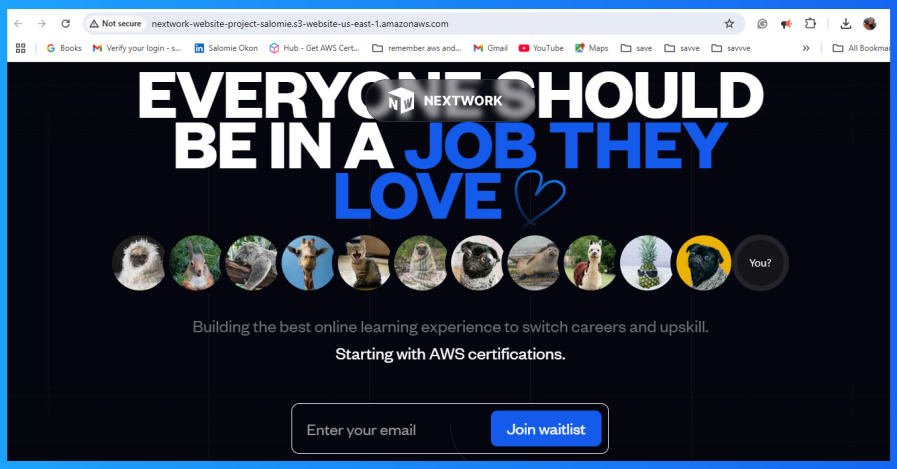
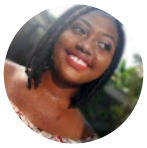
Host a Website on Amazon S3

Salomie Okon





Salomie Okon
NextWork Student

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Introducing Today's Project!

What is Amazon S3

Amazon Simple Storage Service (Amazon S3) is a cloud object storage service that allows users to store, retrieve, and manage data from anywhere.Amazon S3 is useful for many use cases, including: Storing and retrieving data for websites, mobile apps.

How I used Amazon S3 in this project

I used Amazon S3 Today to host a static website. I created a bucket. In the Object, I uploaded my HTML index file and folder for the features of the webpage. Then I enable static web hosting with reference to the index file. AWS S3 did the Magic.

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

What amazed me about this project is the confidence I've gained from the detailed explanation of the steps and encountering errors. I was shocked I made some corrections without looking and the steps. I didn't expect that.

This project took me...

It took about 1 hour and 30 mins, This is progress compared to my speed in the last project. I just love it.

Salomie Okon
NextWork Student

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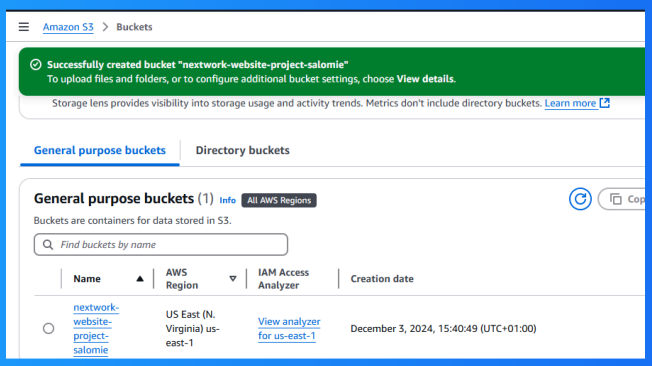
How I Set Up an S3 Bucket

Creating an S3 bucket took me about 5 minutes.

The Region I picked for my S3 bucket was N. Virginia us-east-1

S3 bucket names are globally unique! This means After I create a bucket, no other AWS account in the entire world can use my bucket's name



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NextWork Student

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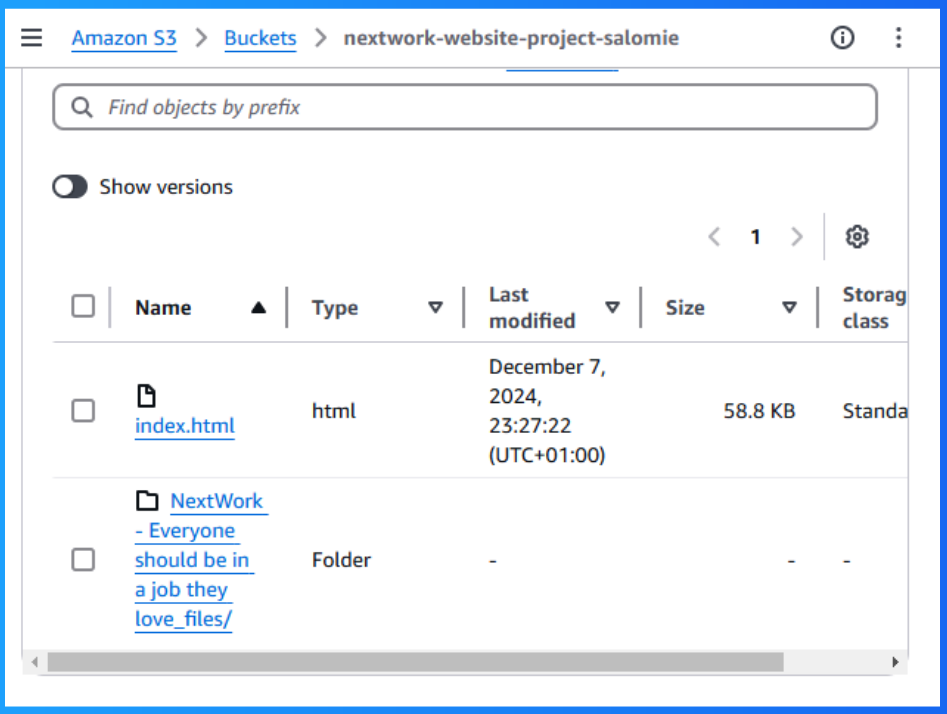
Upload Website Files to S3

index.html and image assets

I uploaded these 2 files to my s3 Bucket -they were index.html'and'NextWork - Everyone should be in a job they love_files.zip Info. '

'Both files are necessary for this project as the HTML file sets up your website and the zip file of images for your website



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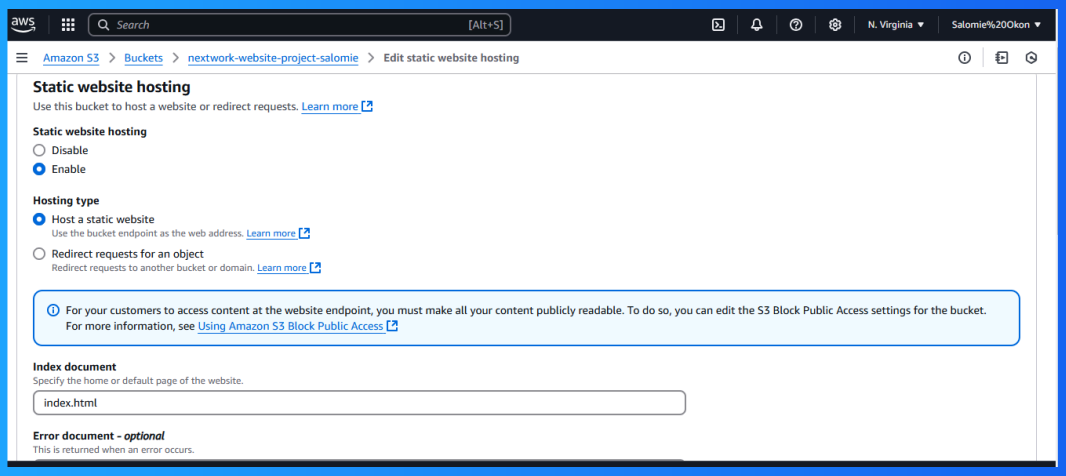
Static Website Hosting on S3

Website hosting means what makes your website public on the internet. Even if you perfect an HTML file, no one else can see it when it's stored as a local file on your computer!

To enable website hosting with my S3 bucket, I selected my Bucket and choose the permission Tab, On the website hosting panel, I chose to edit and select enable for static website hosting.

An ACL is a set of rules that decides who can get access to a resource Enabling ACLs in this S3 setup lets you control who can access and do things with the objects (i.e. website files) you upload into your bucket.. With ACLs, different AWS accounts



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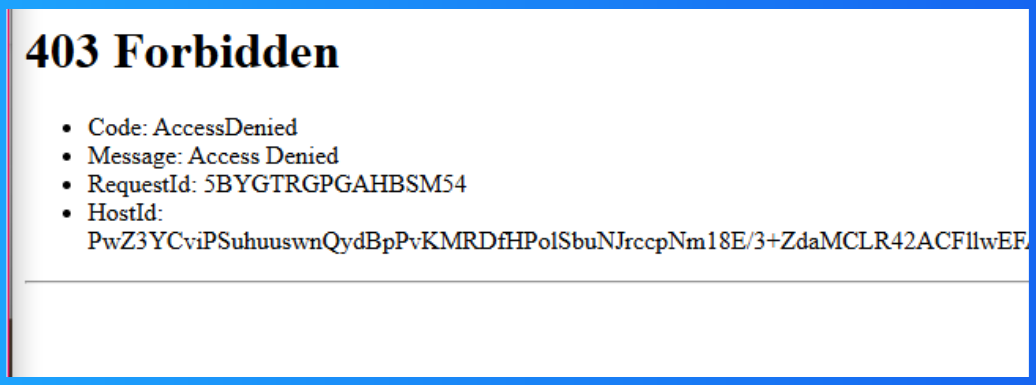
Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is just like a regular website URL. It lets people visit your S3 bucket as a website.

When I first visited the bucket endpoint URL, I saw the 403 error message The reason for this error was that I didn't make the ACLs of the objects in my bucket public



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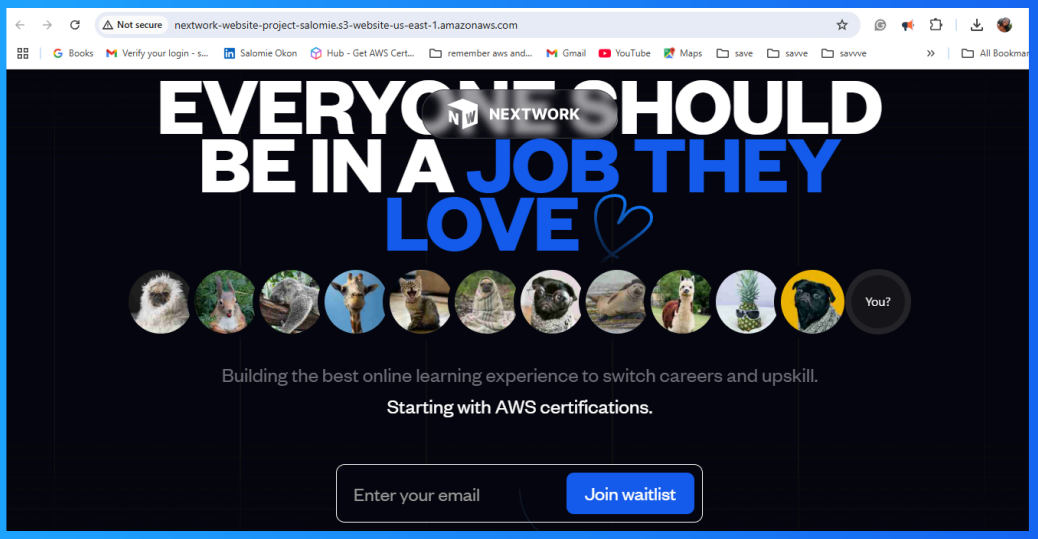
Success!

To resolve this connection error, I simply made the ACLs of my buckets public. I had another error and realized it was because of how I had downloaded and added the file to my objects.



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