

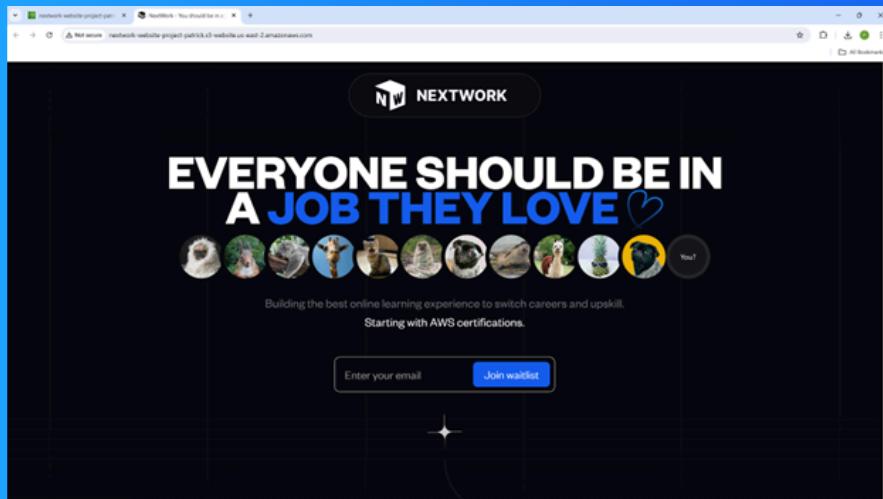


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# Host a Website on Amazon S3



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# Introducing Today's Project!

## What is Amazon S3

Amazon S3 is a storage service that allows users to store, protect, and retrieve data from "buckets" on any device, from anywhere, at any time

## How I used Amazon S3 in this project

I downloaded files from a destination, uploaded it to the objects folder and made it public using ACL.

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

One thing I did not realize was the ease of use to create a static website in which to host on.

## This project took me...

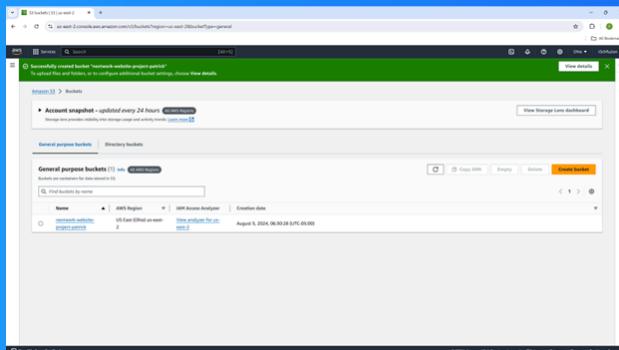
The project in question took less than 30 minutes to complete and that included signing up

# How I Set Up an S3 Bucket

Creating an S3 bucket took me less than 5 minutes after selecting the correct settings.

The Region I chose for my S3 bucket was US East (Ohio) us-east-2 because it was the closest region to my location.

S3 bucket names are globally unique. This means no other AWS account in the entire world can use your bucket's name unless you delete the bucket

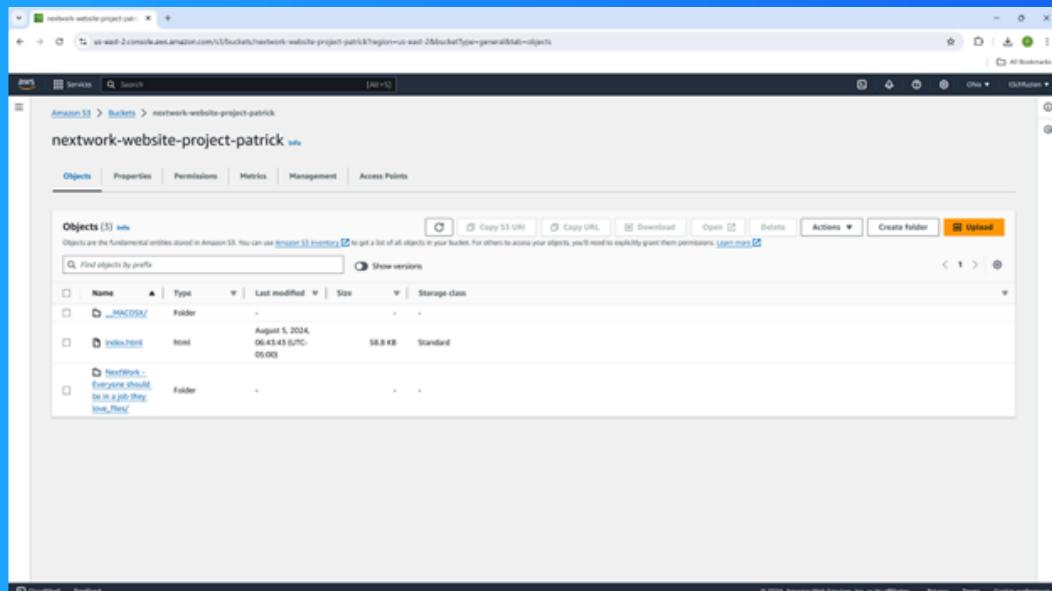


# Upload Website Files to S3

## index.html and image assets

I uploaded two files to my S3 bucket which were NextWork and Index.html

Both files are necessary as one was the framework for a website and the second was the asset folder



# Static Website Hosting on S3

Website hosting means it makes my website public. Even if you perfect an HTML file, no one else can see it when it's stored as a local file on your computer! Website hosting = storing your HTML file (and the other files for your website

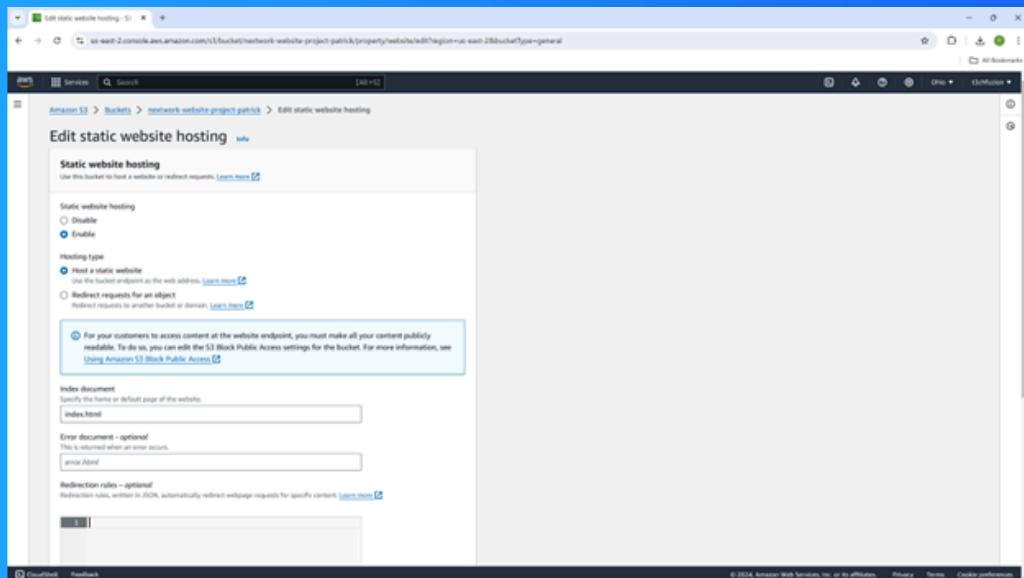
To enable website hosting with my S3 bucket, I enabled static website hosting.

## Access Control Lists (ACL)

An ACL is Access Control Lists which 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.

# Bucket Endpoints

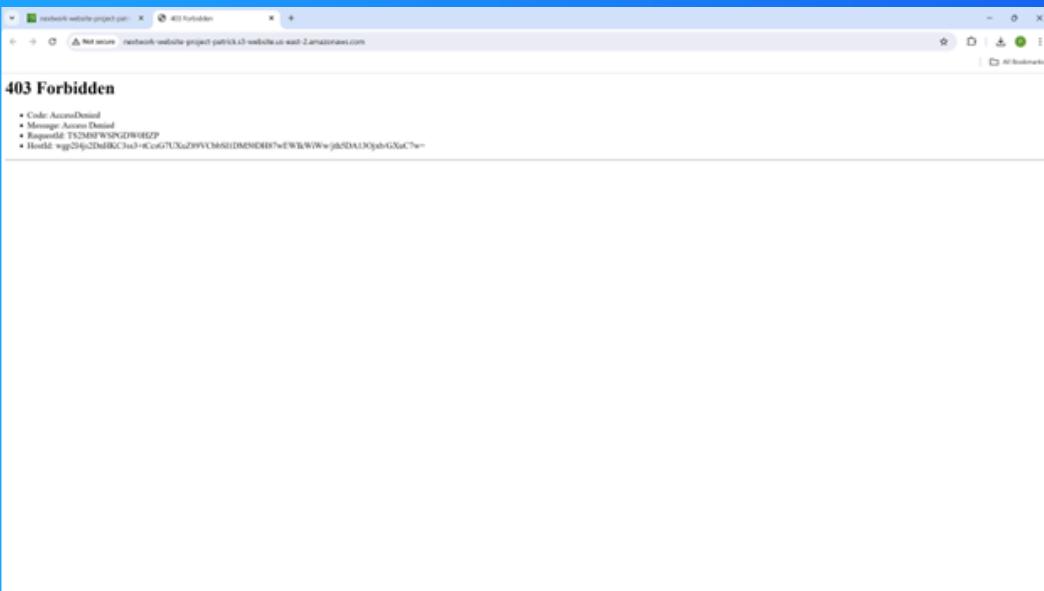
Once static website is enabled, S3 produces a bucket endpoint URL, which will take anyone to a page that displays the HTML file I just uploaded.



# An error!

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

The reason for this error was the objects are private by default. This default setting helps keep your account's data secure. The error message you're seeing is telling you that your static website is being hosted by S3, but files are private.



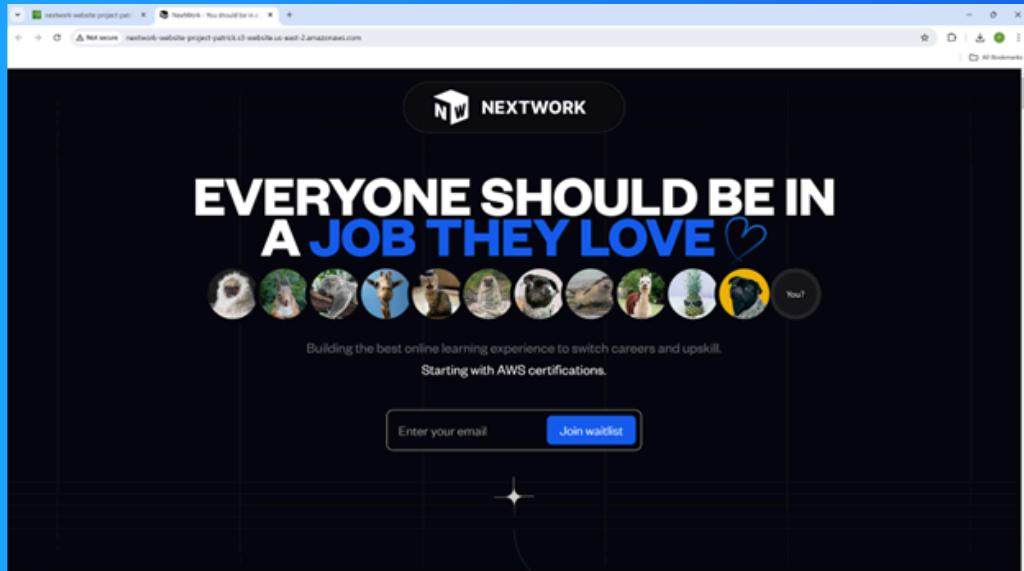
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# Success!

To resolve this connection error, I made the files and folders public choosing the option make public using ACL under the Actions Tab and choosing the files





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