

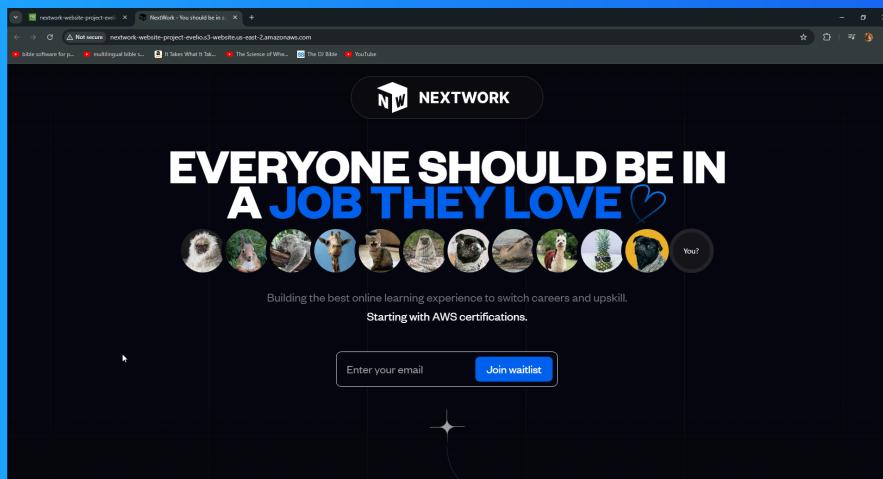


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# Host a Website on Amazon S3



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# Introducing Today's Project!

## What is Amazon S3

Amazon Simple Storage Service is an object storage service that offers scalability, data availability, security, and performance.

## How I used Amazon S3 in this project

I used it to store a file and a folder that contained the content used to host a website.

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

I did not expect to run into any errors.

## This project took me...

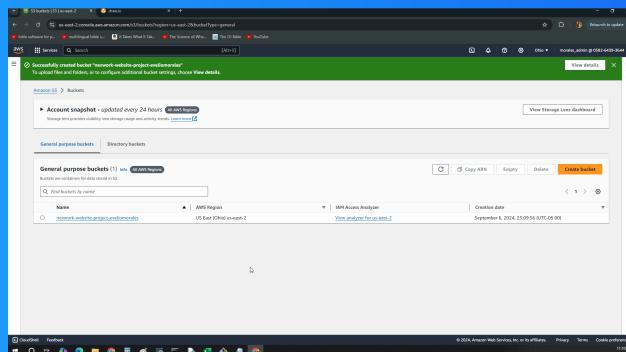
The Project took me about 45 Minutes.

# How I Set Up an S3 Bucket

Creating an S3 bucket took me two minutes.

The Region I picked for my S3 bucket was U.S. East. Because it's the closest region to my users by doing this it improves user experience, reduces latency, and even cost.

S3 bucket names are globally unique! This means no other bucket in AWS or any other region can have the same name until that bucket is deleted.

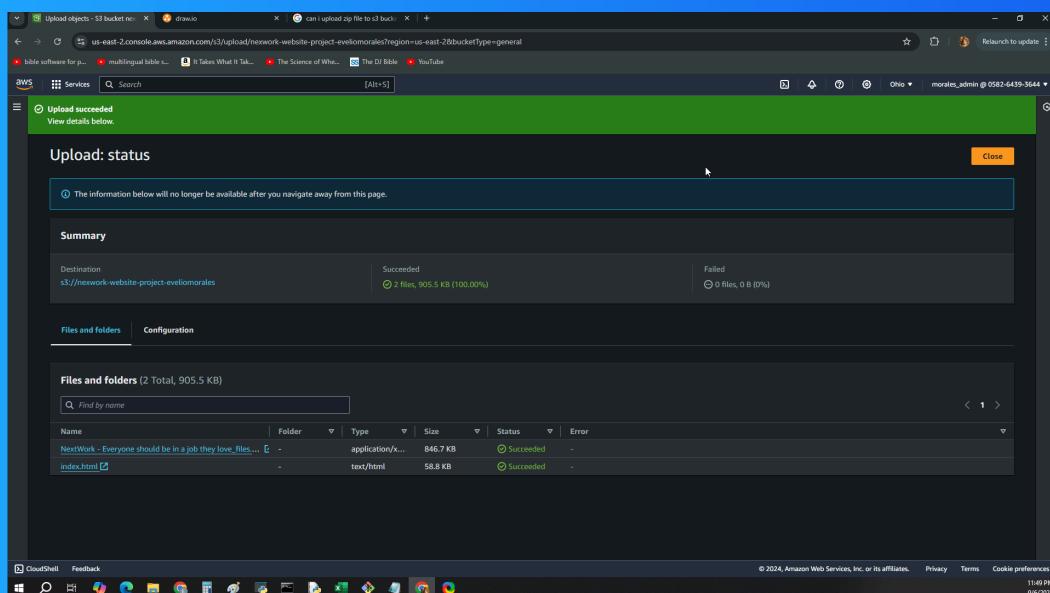


# Upload Website Files to S3

## index.html and image assets

I uploaded two files to my S3 bucket they were index.html and NextWork -  
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Both files are necessary for this project as index.html is a file that serves as the default or main page of a website it specifies how the content (NextWork file) on the webpage is structured and presented it contains text, images, and other media.



# Static Website Hosting on S3

Website hosting means to make a website public on the internet.

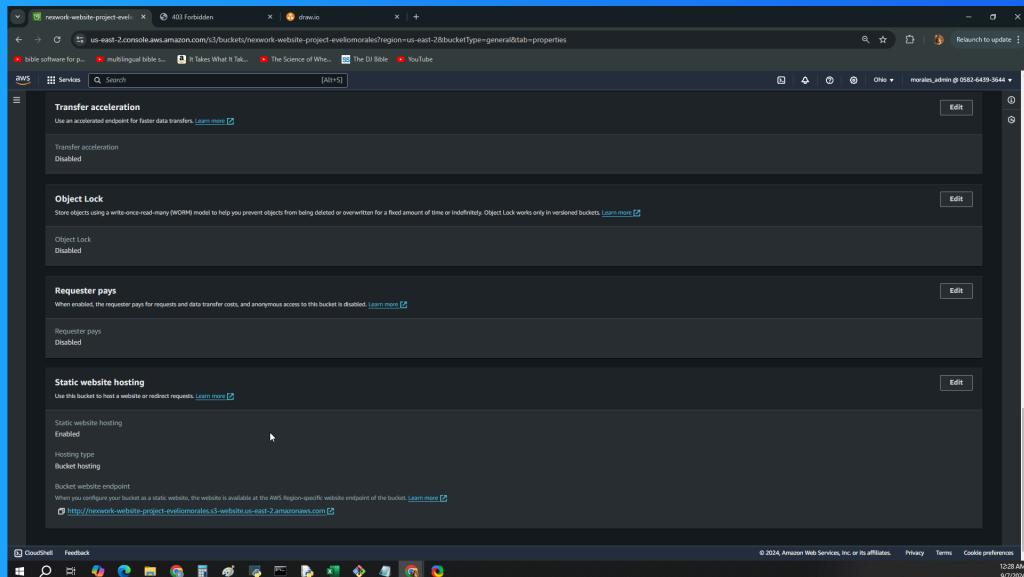
To enable website hosting with my S3 bucket, I went into the properties section in the bucket list and under static website hosting clicked edit, clicked enabled, and specified the website's home or default page, and saved changes.

## Access Control Lists (ACL)

An ACL is Amazon Web Services and is used to manage access to buckets and objects and control the in and out traffic in subnets.

# Bucket Endpoints

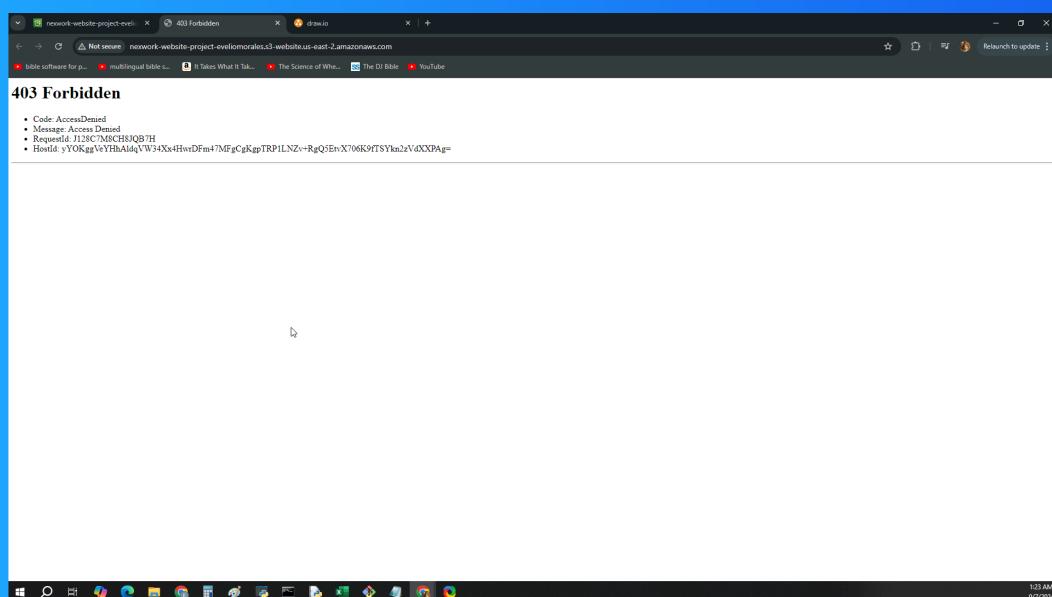
Once static website is enabled, S3 produces a bucket endpoint URL, which is used to access the content in the bucket through a website, essentially turning the bucket into a website.



# An error!

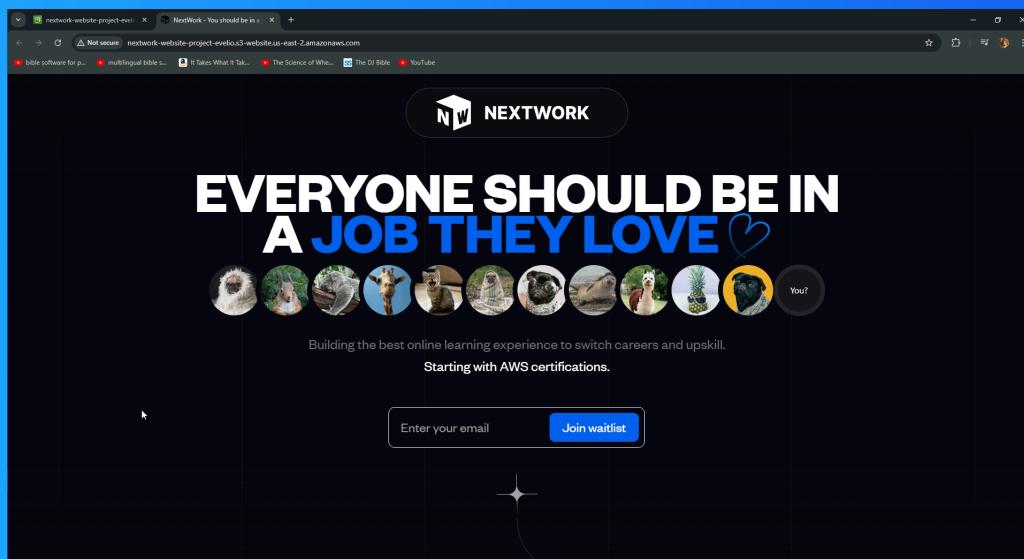
When I first visited the bucket endpoint URL, I saw a 403 Forbidden message, with access denied.

The reason for this error was that the S3 bucket content is private, and now I need to set a permission of the content in the S3 bucket to public.



# Success!

To resolve the connection error, I went to objects and made file and folder public. But I still had an error since the folder had a different name I had to go back delete the folder, change the name, upload the folder, and make it public using ACL.





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