

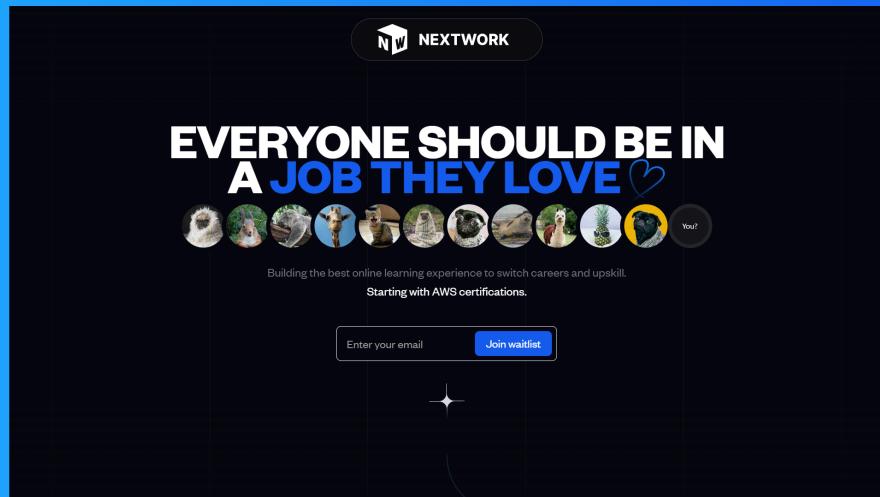


NextWork.org

Host a Website on Amazon S3



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Introducing Today's Project!

What is Amazon S3

Amazon S3 is a scalable, secure cloud storage solution that lets users store and retrieve any amount of data from anywhere. It's ideal for backups, content delivery, data lakes, and more, offering durability, availability, and cost-efficiency.

How I used Amazon S3 in this project

I used Amazon S3 for this project by uploading and storing the necessary files and doing some configurations to complete the steps from the documentation.

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

Aside from the error that I encountered, I did not expect that this project would be super easy to complete for me with no background experience on the AWS platform.

This project took me...

It took me about 40–60 minutes of my time to complete this project. Because the error-handling consumes much of my time by trying to find out the solution for the error that I encountered.

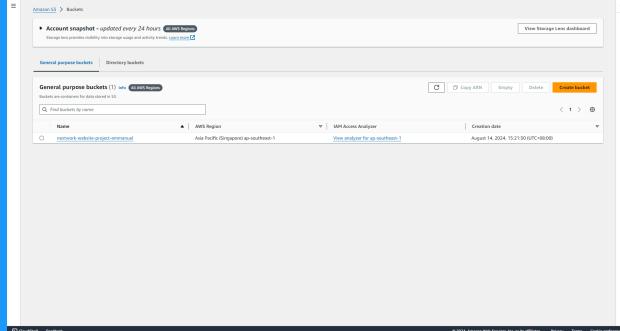


How I Set Up an S3 Bucket

Creating an S3 bucket took me a few minutes to complete. The guides in this project #1 are very helpful in navigating the process of making an AWS S3 bucket.

The region that I picked for my S3 bucket was Singapore. I'm currently in the Philippines, and that is the country that I think is near 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: an index.html file and a folder with the name 'NextWork - Everyone should be in a job they love_files'.

Both files are necessary for this project, as they contain all the files needed to properly display the elements of the static website.

Name	Type	Last modified	Size	Storage class
index.html	html	August 14, 2024, 15:32:57 (UTC+08:00)	58.8 KB	Standard
NextWork - Everyone should be in a job they love_files/	Folder			



Static Website Hosting on S3

Webhosting means that website hosting is what makes your website public on the internet.

To enable website hosting with my S3 bucket, I edit the static website hosting under the properties of my S3 bucket. After configuring some options, I made them public and saved the changes that I made.

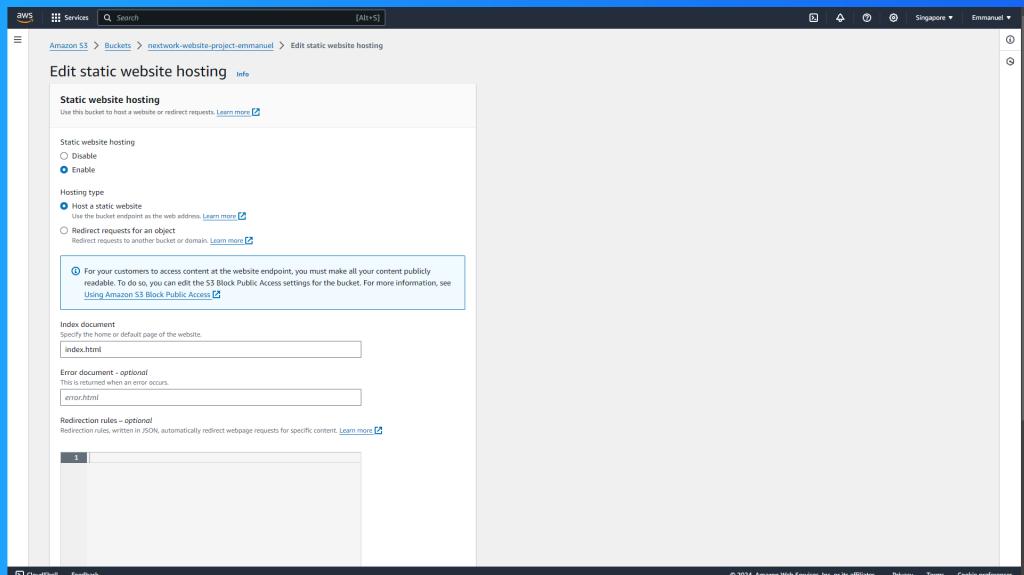
Access Control Lists (ACL)

An ACL 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 is seen on the bucket website endpoint of the static website hosting panel.

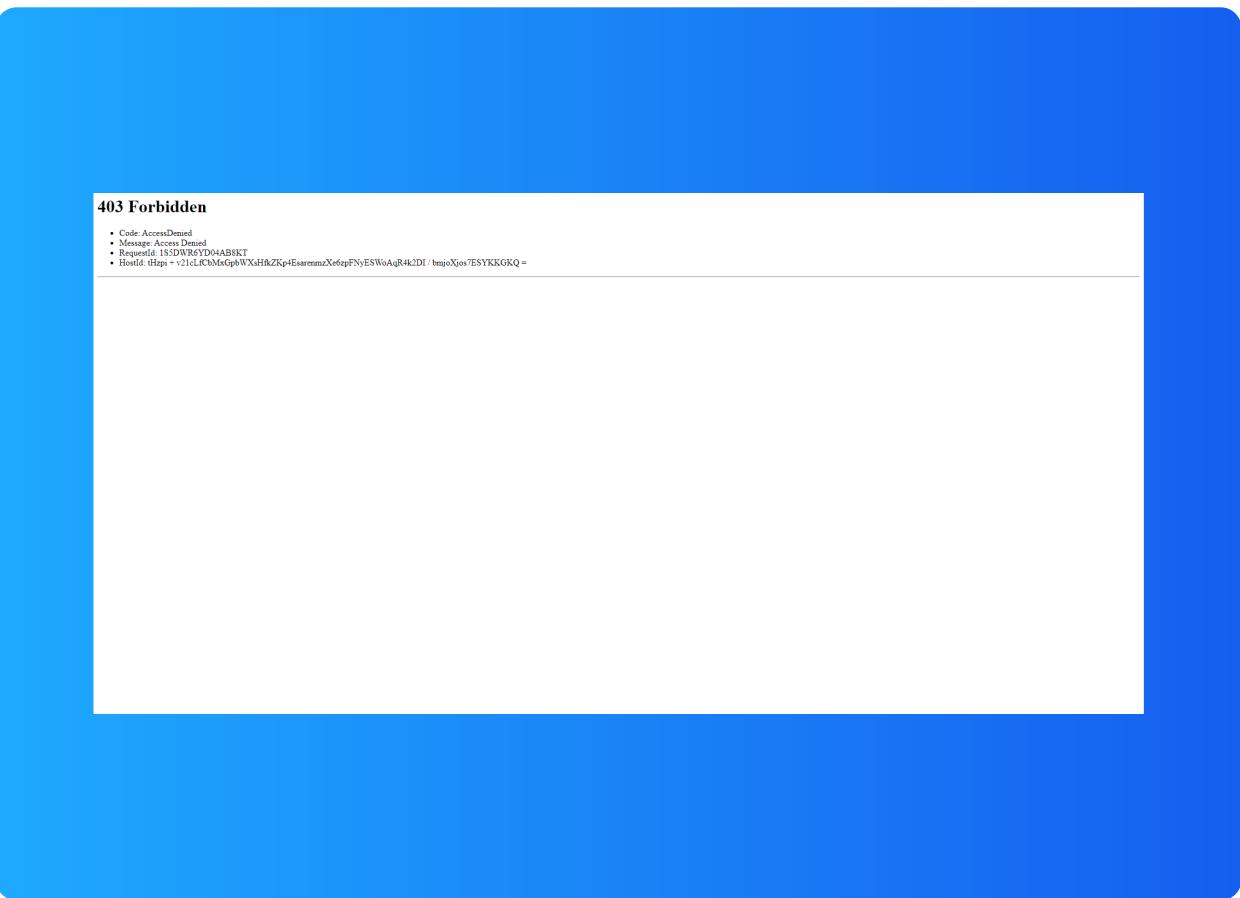




An error!

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

The reason for this error was that the files that I uploaded were not yet public. So, I configure it on the actions button of my S3 bucket and make it public using ACL.



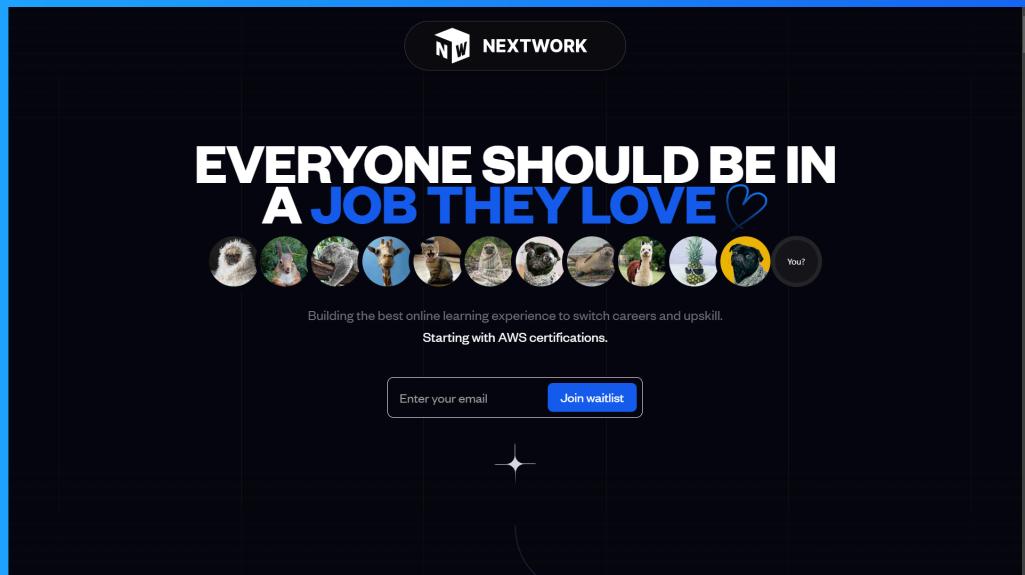


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Success!

To resolve this connection error, I made public using ACL the index.html file and folder that I uploaded to my S3 bucket.





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