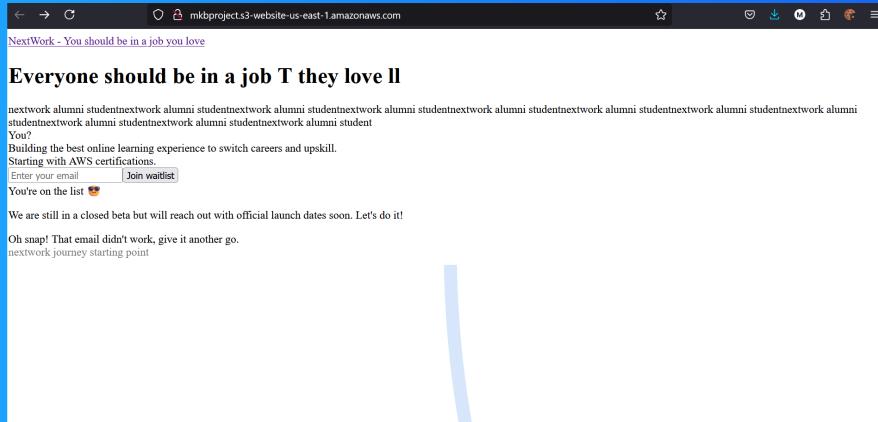




Host a Website on Amazon S3

 mighty bishops



Introducing Today's Project!

What is Amazon S3

Amazon S3 (Simple Storage Service) is a scalable object storage service provided by Amazon Web Services (AWS). It is designed to store and retrieve any amount of data, from anywhere on the web

How I used Amazon S3 in this project

I used Amazon S3 to host a static website

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

Nothing everything worked out fine

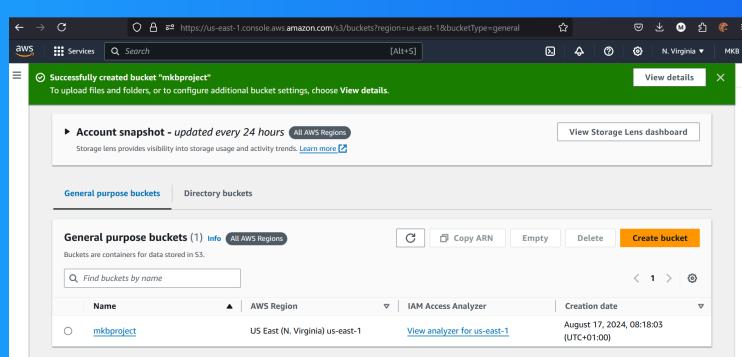
This project took me...

How I Set Up an S3 Bucket

Creating an S3 bucket took me took me about 3mins

The Region I picked for my S3 bucket was US East (N. Virginia) us-east-1 because i like working on N. Virginia

S3 bucket names are globally unique! This means all AWS accounts share the namespace. After you create a bucket, 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 - they were html index of the website and folder containing other website files

Both files are necessary for this project as they work hand in hand

The screenshot shows the AWS S3 console interface. At the top, there's a navigation bar with 'Services', a search bar, and account information for 'N. Virginia'. Below the navigation bar, the bucket name 'mkbproject' is displayed. The main area is titled 'Objects (2) info'. There are several action buttons at the top of this section: 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload' (which is highlighted in orange). A search bar and a 'Show versions' button are also present. The object list table has columns for Name, Type, Last modified, Size, and Storage class. The first object, 'index.html', is listed as an HTML file (58.8 KB, Standard storage). The second object is a folder named 'NextWork - Everyone should be in a job they love_files/'.

Name	Type	Last modified	Size	Storage class
index.html	html	August 17, 2024, 08:32:34 (UTC+01:00)	58.8 KB	Standard
NextWork - Everyone should be in a job they love_files/	Folder	-	-	-



Static Website Hosting on S3

Website hosting means allowing access to anyone that has the link to view your files online

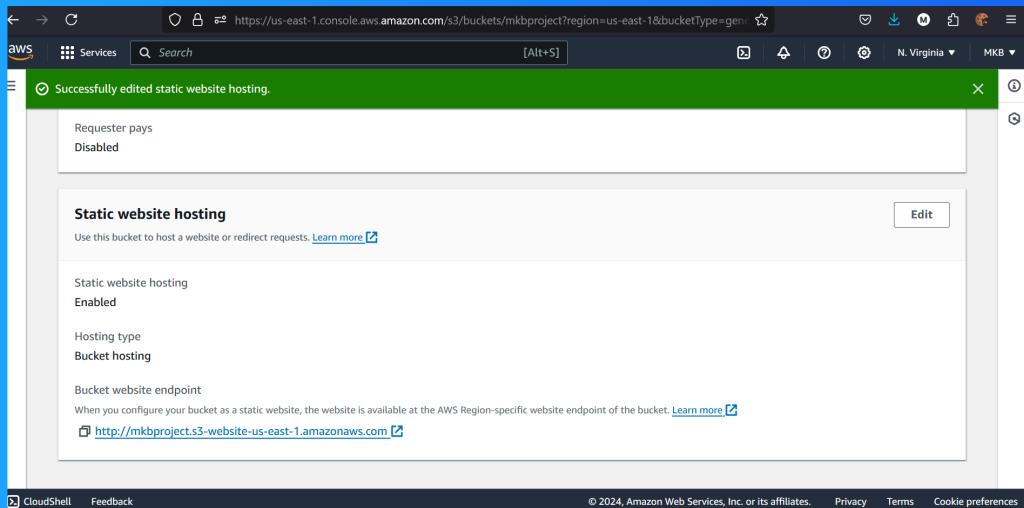
To enable website hosting with my S3 bucket , I open the bucket's details and navigate to the Properties tab. Scroll down to Static website hosting and click Edit. Choose Enable for static website hosting.

Access Control Lists (ACL)

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.

Bucket Endpoints

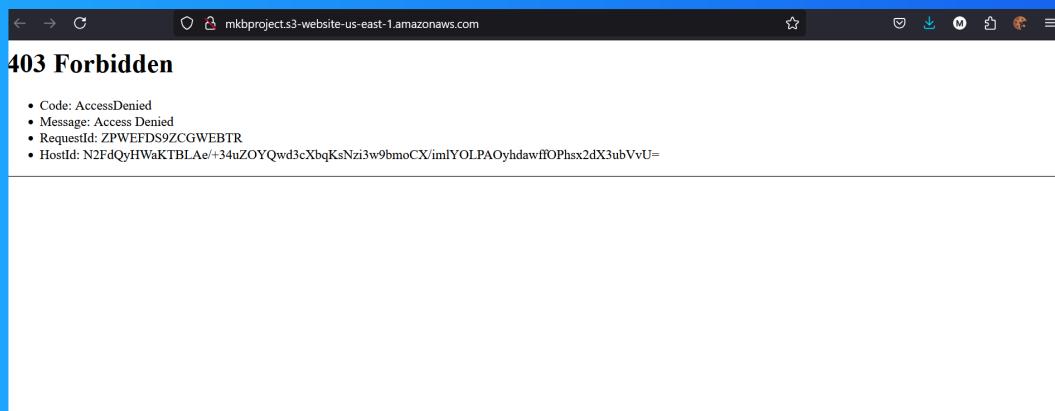
Once static website is enabled, S3 produces a bucket endpoint URL, which is gives anyone access to view and access the static website



An error!

When I first visited the bucket endpoint URL, I saw an error message

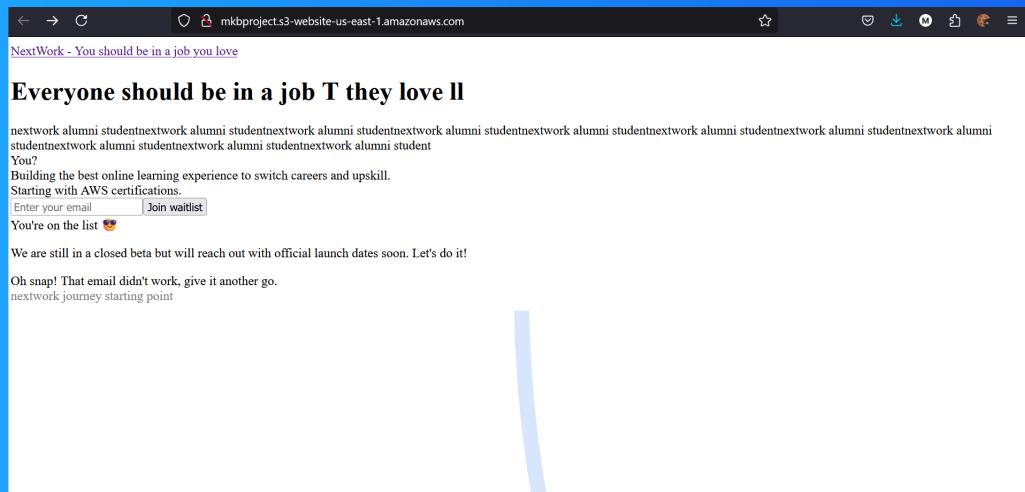
The reason for this error was is because the file we uploaded is still on private , we need to set the permission of the objects to public





Success!

To resolve this connection error, I need to set the permission of the objects to public by heading to the object view and select all the files and click on action and select make public using ACL





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