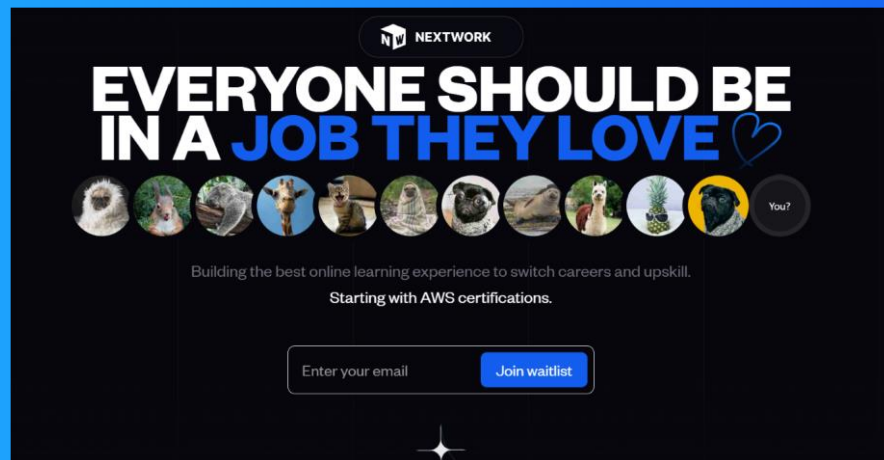


Host a Website on Amazon S3



krathira009@gmail.com



Introducing Today's Project!

What is Amazon S3

Amazon S3 is a Simple Storage Service in AWS that stores files and managing data of any size and type. We can use it to store and retrieve any amount of data at any time, from anywhere.

How I used Amazon S3 in this project

For today's project I used it to host the website on the internet for public. That used to store the html file and a folder that contains 44 other files.

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

One thing that I didn't expect is that the simple methodology used to create a bucket and for hosting a website within an hour. Easy peasy.

This project took me...

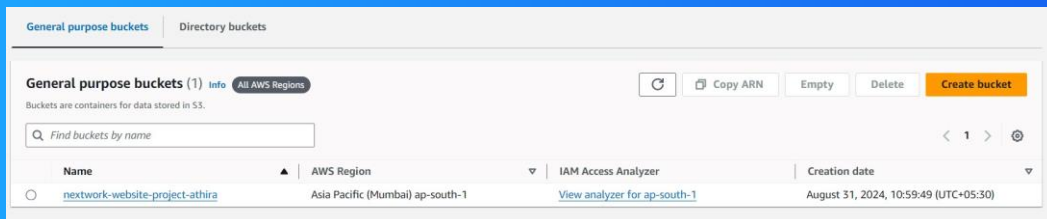
The time I took for completing this project was approximately 40 minutes.

How I Set Up an S3 Bucket

Creating an S3 bucket took me lesser than 5 minutes, for the first time I'm creating a bucket and it was nice to start with S3 with the help of NextWork and with Natasha.

The Region I picked for my S3 bucket was... because Asia Pacific (Mumbai) ap-south-1

S3 bucket names are globally unique! This means no other bucket in the entire world will be same.

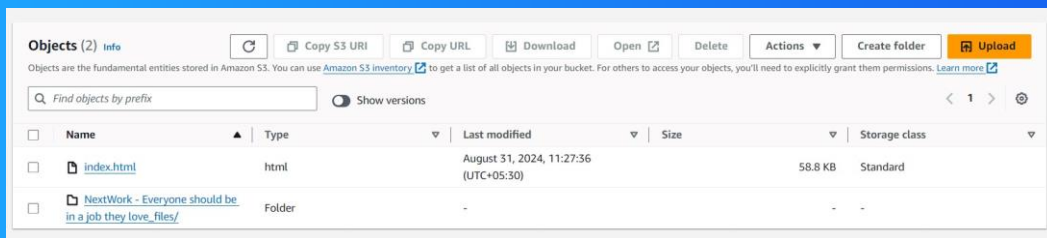


Upload Website Files to S3

index.html and image assets

I uploaded two files to my S3 bucket - they were index.html file and NextWork-Everyone should be in the job they love_file.

Both files are necessary for this project as input files that create the whole website. The index file which gives the background support and the other file which has 44 fields inside of it gives the outlook of the website. Both give out the website



Static Website Hosting on S3

Website hosting means which makes our website public to everyone on the internet.

To enable website hosting with my S3 bucket, I went into properties to enable static website hosting and hosted the static website along with the index document name as index.html

Access Control Lists ACL

An ACL is enabled

Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is giving access to anyone to view the website that's been created.

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting

- ☐ Disable
☒ Enable

Hosting type

- ☒ Host a static website
Use the bucket endpoint as the web address. [Learn more](#)
- ☐ Redirect requests for an object
Redirect requests to another bucket or domain. [Learn more](#)

i For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#)

Index document

Specify the home or default page of the website.

index.html

Error document - optional

This is returned when an error occurs.

error.html

An error!

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

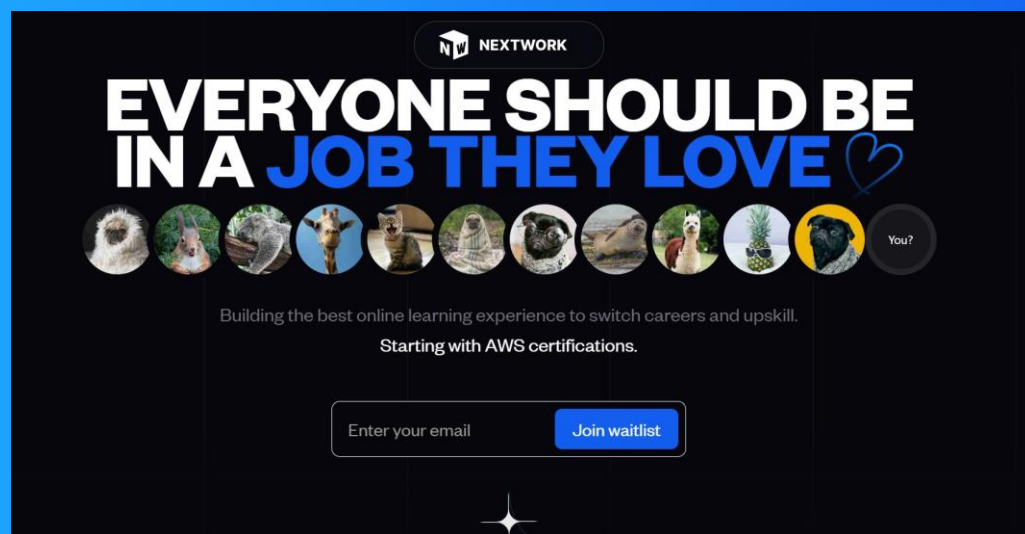
The reason for this error was the public access it was turned off , that's why we're getting an error message.

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: J988N0Y0ZKAVZNGM
- HostId: UjzjjJMYyJGu8epECwZkJ0wzouytNdDCXcQn5DryrJRI6UU7uC5lsM+UW6xZ5UxQFsDk5QgP8A=

Success!

To resolve this connection error, I went back to objects and checked in both the files and under action clicked on the make them public using ACL option which solved the 403 Forbidden message.





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