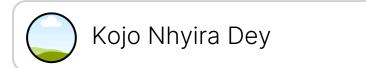


How I Hosted A Website on S3







Introducing Amazon S3!

What it does & how it's useful

Amazon S3, or Amazon Simple Storage Service, is a service offered by Amazon Web Services (AWS) that provides object storage through a web service interface.

How I'm using it in today's project

I'm using Amazon S3 in this project to store my files for the webpage and also host it as a static website

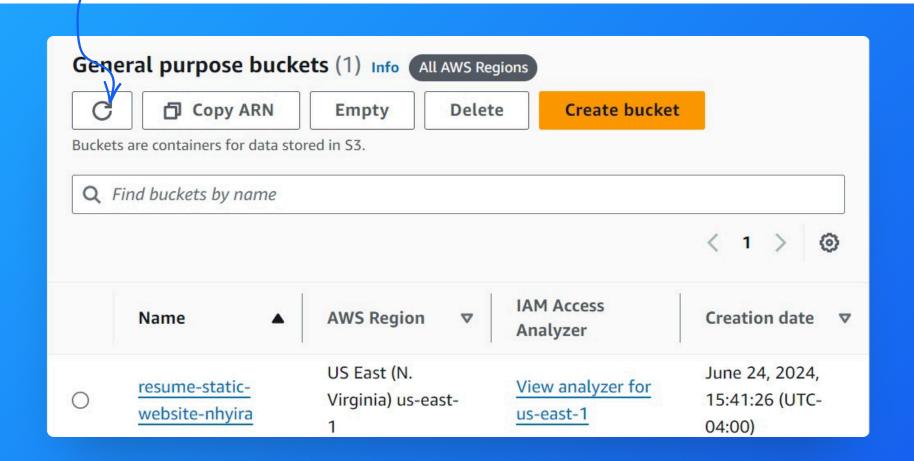
This project took me...

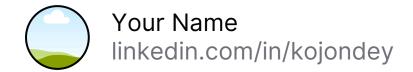
Total project time took me up to 25mins Documentation was an extra 20 mins



Create an S3 bucket

- Creating an Amazon S3 bucket took me less than 25 mins
- Some of the configuration steps include:
 - The bucket's Region: Us East N Virginia thats my closest region and also thats where i want my resources
 - Access Control Lists: Acls Decides who can get access to the resource
 - Bucket versioning: Bucket owner Preferred
 - Public Access: Means website can be access by the Public
- S3 bucket names have to be globally unique, which means when one name is taken Globally nobody else can have that name.resume-static-website-nhyira is available to only me
 My created bucket!

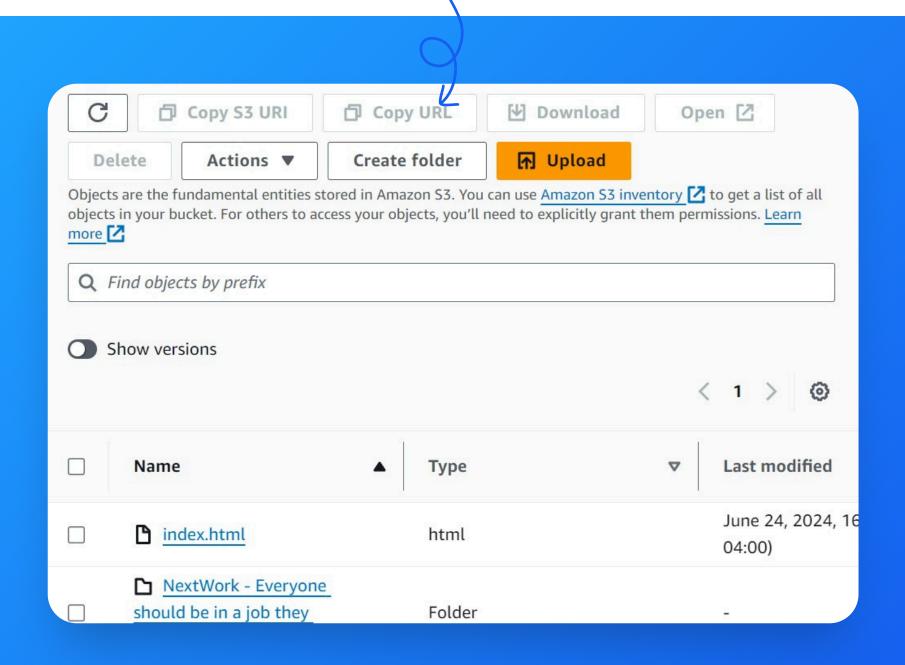


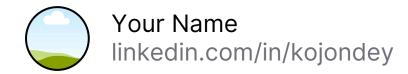


Upload website files to S3

- Next, I uploaded my website's files into my S3 bucket.
- There were two files to upload: Index.Html and Networkeveryone should be in a job they_love

Objects successfully uploaded!

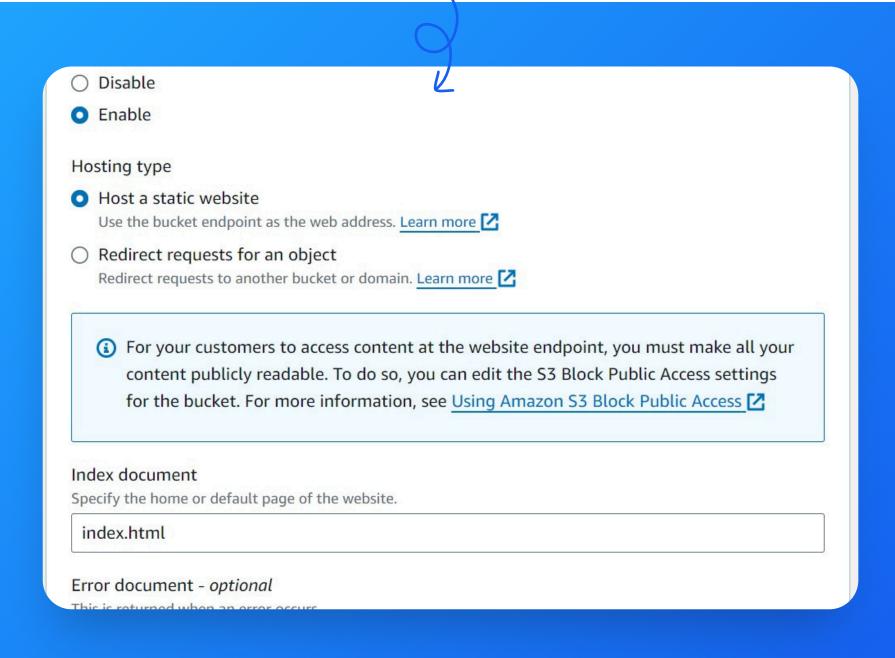


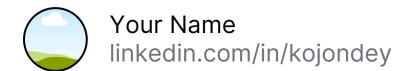


Static web hosting on S3

- Website hosting means making your wesbite accesible on the internet
- To enable website hosting, I uploaded files to s3 bucket and then Enabled static web hosting using the properties Tab
- Once static website is enabled, S3 produces a bucket endpoint URL that takes you directly to the static webpage

Setting up static website hosting...





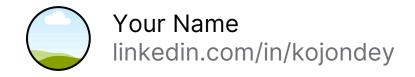
An error!

- When I visited the bucket endpoint URL, i got an error 403
- The reason for this error was objects in the bucket were still private and i had to make it public with acls

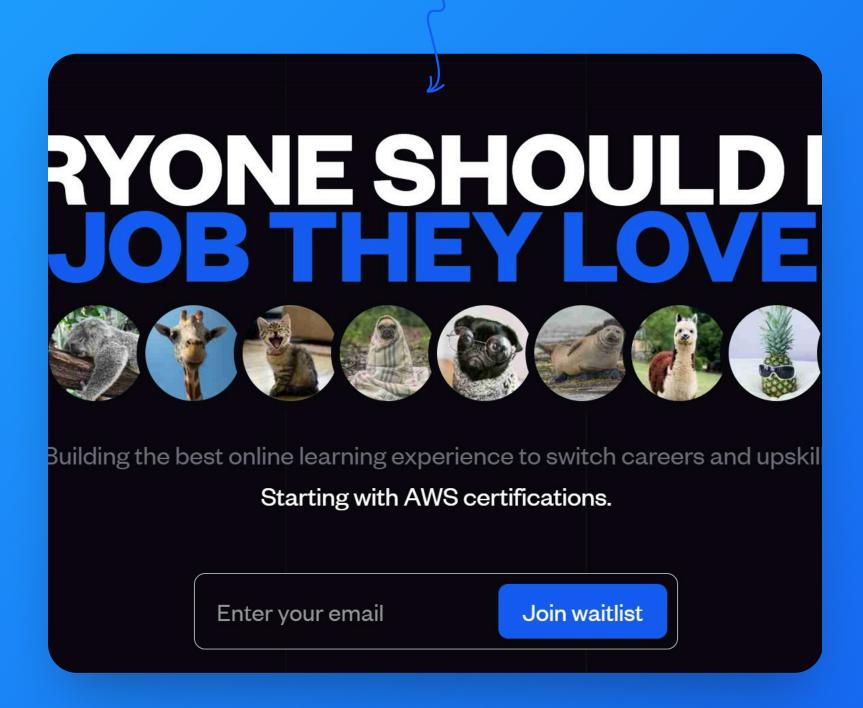
The error!

403 Forbidden

- · Code: AccessDenied
- · Message: Access Denied
- RequestId: A2SA2SKMD7VC3KFM
- HostId: yw2RbWqtJ6axIHASjYj0rREIkOr3Ys6PeWF2cB/KidE44F9IhU7Pa0RuB+du3TZMlgIjL0crTt0=



Voila! My website was up and running after resolving those errors





My Key Learnings

- Static website hosting means hosting a website that has a fixed code and only I the programmer can make changes. if i dont make any changes nothing will change on the website. Take it as just a landing page
- The settings I used to make my website available to the public were:
 - 1.Permit Public access by unchecking Block Public Access2.Used Acls to make objects in Bucket Public
- My bucket endpoint URL initially still returned an error because i wasnt fully public. Even though the bucket was hosted items in the bucket was still private. I resolved this by enabling public read access with the acls
- One thing I didn't expect was an error 403 after unchecking Block Public Access