

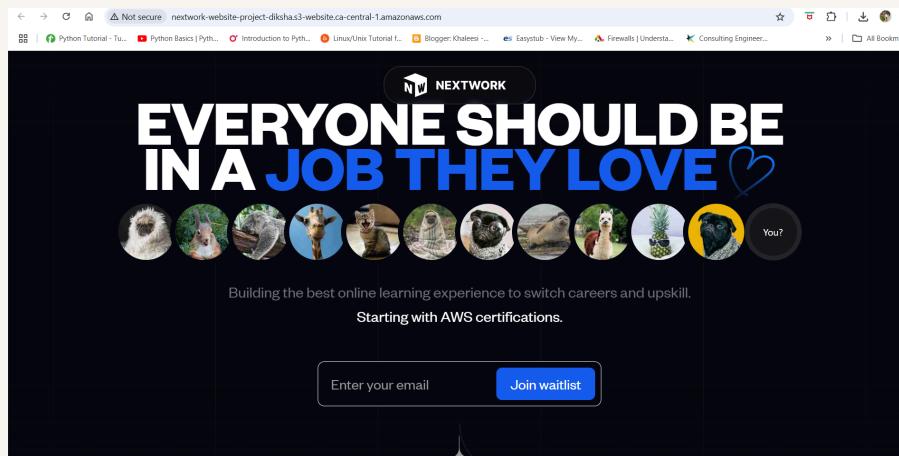


nextwork.org

Host a Website on Amazon S3



virkardiksha@gmail.com



Introducing Today's Project!

In this project, I will demonstrate website hosting using S3 bucket. I'm doing this project to learn AWS

Tools and concepts

Services I used were AWS S3 bucket. Key concepts I learnt include hosting a static website publically using ACLs.

Project reflection

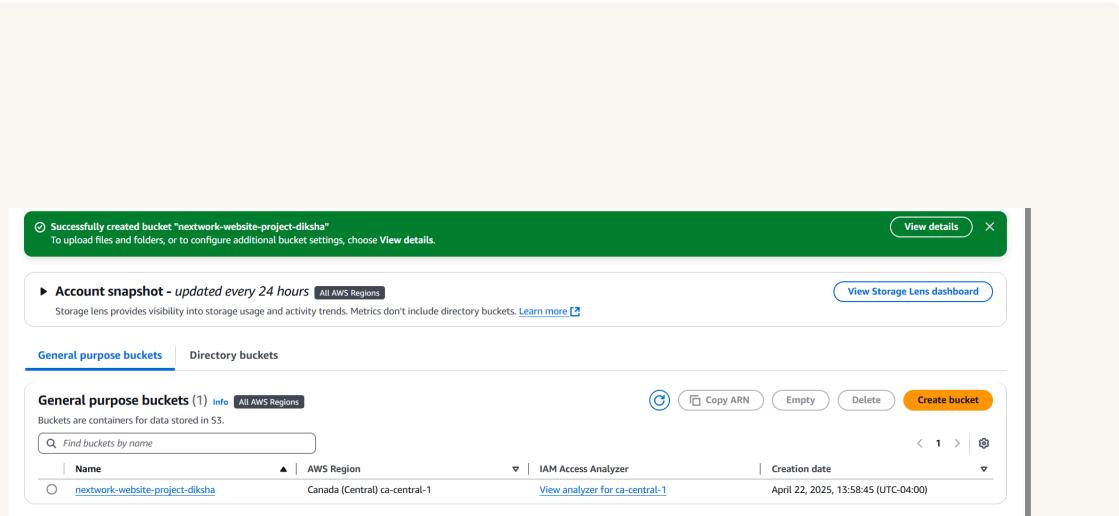
This project took me approximately 45 minutes. The most challenging part was enabling public access. It was most rewarding to see my own static website on Amazon S3

How I Set Up an S3 Bucket

Creating an S3 bucket took me less than a minutes

The Region I picked for my S3 bucket was Canada (central) because its closet region to me.

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 - they were index.html and NextWork - Everyone should be in a job they love_files folder

Both files are necessary for this project as website is written in HTML and we need images and data to host a website

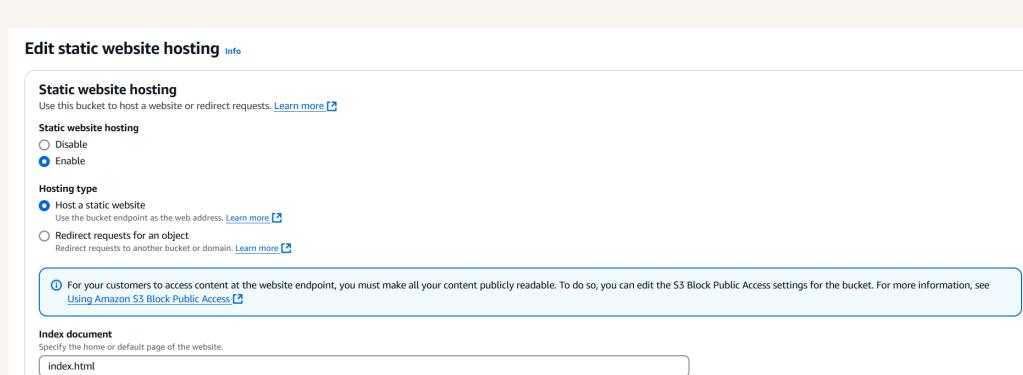
Name	Type	Last modified	Size	Storage class
index.html	html	April 22, 2025, 14:09:06 (UTC-04:00)	58.8 KB	Standard
NextWork - Everyone should be in a job they love_files/	Folder	-	-	-

Static Website Hosting on S3

Website hosting means makes your website public on the internet.

To enable website hosting with my S3 bucket, I then choose the bucket I have created. Choose the Properties tab. Scroll all the way down to the Static website hosting panel. Choose Edit.

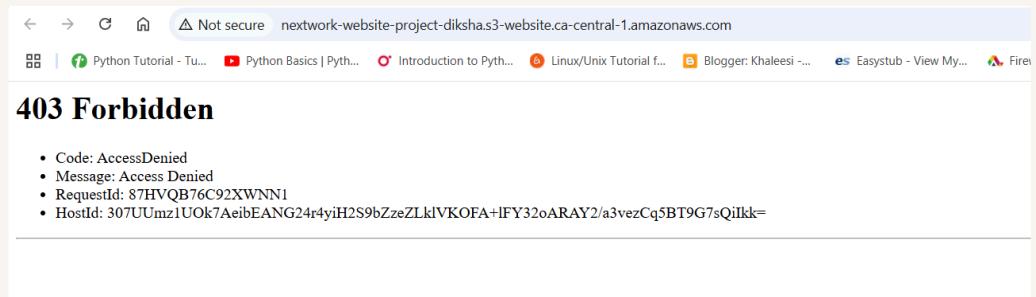
An ACL is a set of rules that decides who can get access to a resource. I enable ACLs.



Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which lets people visit your S3 bucket's files as a website.

When I first visited the bucket endpoint URL, I saw 403 forbidden error. The reason for this error was my static website is being hosted by S3, but the actual HTML/image files I have uploaded are still private.



VI

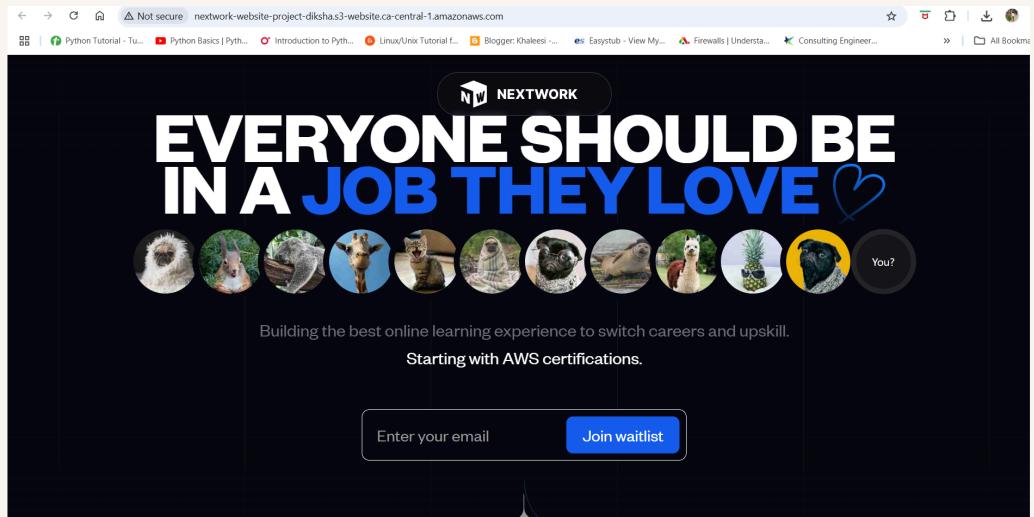
virkardiksha@gmail.com

NextWork Student

nextwork.org

Success!

To resolve this 403 Forbidden error, I Selected the Objects tab. Checked checkboxes next to index.html file and the folder of website assets. In the Actions dropdown, chose Make public using ACL.





nextwork.org

The place to learn & showcase your skills

Check out nextwork.org for more projects

