



nextwork.org

Host a Website on Amazon S3

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The screenshot shows the homepage of the Nextwork website. At the top center is the Nextwork logo, which consists of a stylized 'NW' monogram inside a dark rounded rectangle. Below the logo, the main headline reads "EVERYONE SHOULD BE IN A JOB THEY LOVE" in large, bold, white and blue letters. To the right of the text is a small blue heart icon. Below the headline is a horizontal row of twelve circular profile pictures, each containing a different animal or object, such as a pug, a squirrel, a giraffe, a cat, a monkey, a penguin, a turtle, a llama, a plant, and a dog. To the right of this row is a dark circular button with the text "You?". Below the profile pictures, there is a short description: "Building the best online learning experience to switch careers and upskill. Starting with AWS certifications." At the bottom of the page is a call-to-action bar with two buttons: "Enter your email" on the left and "Join waitlist" on the right. A small decorative star is located at the bottom center of the page.

NEXTWORK

EVERYONE SHOULD BE
IN A JOB THEY LOVE

You?

Building the best online learning experience to switch careers and upskill.
Starting with AWS certifications.

Enter your email

Join waitlist

Introducing Today's Project!

What is Amazon S3

Amazon S3 is an object storage service and is very useful due to its high scalability, availability, security and performance

How I used Amazon S3 in this project

I used Amazon S3 to host a static website and made it publicly accessible using ACL.

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

One thing I didnt't expect was the error message due to the files being private

This project took me...

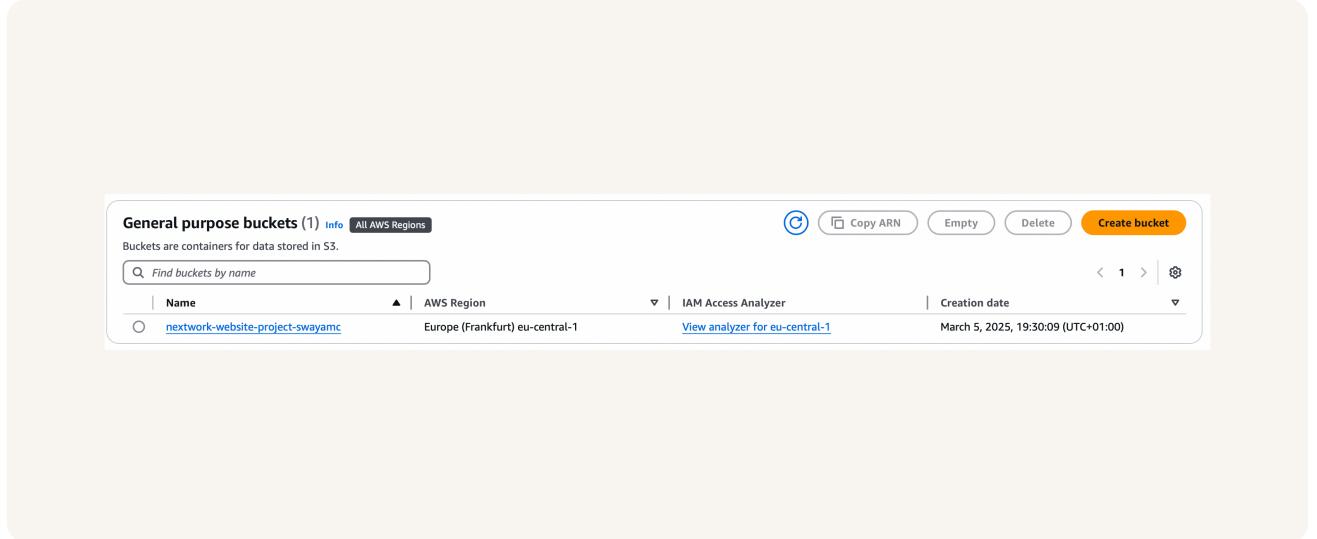
This project took me around 30 minutes

How I Set Up an S3 Bucket

Creating an S3 bucket took me around a minute

THE Region I picked for my S3 bucket was eu-central-1 as it's the Region closest to me

S3 bucket names are globally unique. This means that after you create a bucket, no other AWS account can use your bucket's name(unless deleted).



Upload Website Files to S3

index.html and image assets

I uploaded two files to my S3 bucket - they were a html and an unzipped folder

Both files are necessary for this project as the HTML is used to create and design web pages wheras the zip file contains the images for the website

The screenshot shows the AWS S3 console interface. At the top, there are several buttons: 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'. Below these buttons, there is a search bar labeled 'Find objects by prefix' and a 'Show versions' toggle switch. A table lists the uploaded objects:

Name	Type	Last modified	Size	Storage class
index.html	html	March 5, 2025, 19:32:36 (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 making your website public on the internet

To enable website hosting with my S3 bucket, I configured my S3 bucket to create a URL to take everyone to a page that displays the HTML file I uploaded

An ACL is a set of rules that decides who can get access to a resource. I enabled ACLs to manage access for each object in my bucket individually.

Edit static website hosting Info

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

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](#)

ⓘ 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.

Error document - optional
This is returned when an error occurs.

Redirection rules - optional
Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)

Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is just like a regular website URL that lets people visit my S3 bucket as a website

When I first visited the bucket endpoint URL, I saw an error message. The reason for this error was the fact that my HTML/image files were still private.

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: EKMNVADPSJSNRREJ
- HostId: 1NFQkYkHUIH8jOEeCCJQi5sAr54mywTcJfpKkaXaOH7wqLMhlMUMkcXCsCSSg2xWSrPO7zSe0KtZPgYNMoXXZg==

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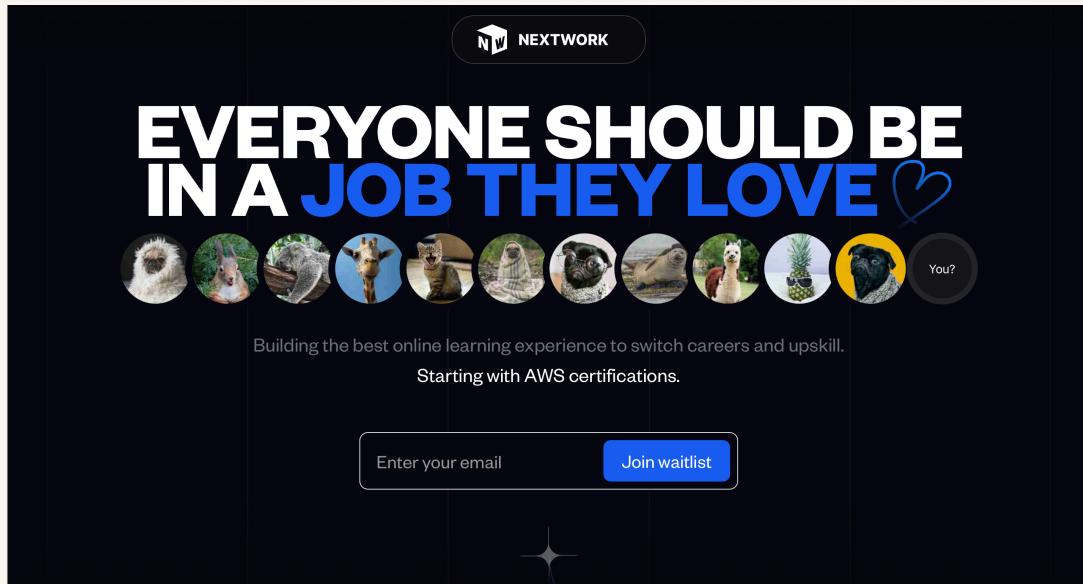
chadhaswayam@gmail.c...

NextWork Student

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Success!

To resolve this connection error, I made my website files public using ACL





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more projects

