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# Host a Website on Amazon S3



Ogun Tari Joseph

The image shows a dark promotional landing page for Nextwork. At the top, the Nextwork logo is visible. Below it, a large, bold headline reads "EVERYONE SHOULD BE IN A JOB THEY LOVE" with a blue heart icon. Underneath the headline is a row of circular profile pictures of various animals. To the right of these animals is a small circular placeholder labeled "You?". Below the animals, text reads "Building the best online learning experience to switch careers and upskill. Starting with AWS certifications." At the bottom, there is a form with a text input field labeled "Enter your email" and a blue button labeled "Join waitlist".



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# Introducing Today's Project!

## Tools and concepts

Services I used were Amazon S3. Key concepts I learnt include ACLs and website hosting.

## Project reflection

This project took me approximately 10 minutes. The most challenging part was in step 3.



# How I Set Up an S3 Bucket

Creating an S3 bucket took me about 3 minutes.

The Region I picked for my S3 bucket was eu-north-1 because it was the closest region to my geographical location.

S3 bucket names are globally unique! This means the names can only be used by that bucket alone, and no other bucket can use that name unless the previous bucket was deleted.

The screenshot shows the AWS S3 console interface. At the top, there's a green success message: "Successfully created bucket 'nextwork-website-project-tariogun'". Below this, there's an "Account snapshot" section with a note about storage usage and activity trends. The main area displays "General purpose buckets" with one item listed:

Name	AWS Region	IAM Access Analyzer	Creation date
nextwork-website-project-tariogun	Europe (Stockholm) eu-north-1	<a href="#">View analyzer for eu-north-1</a>	June 12, 2025, 09:56:49 (UTC+01:00)



# Upload Website Files to S3

## index.html and image assets

I uploaded two files to my S3 bucket - they were NextWork - Everyone should be in a job they love\_files.ZIP and NextWork - You should be in a job you love.html

Both files are necessary for this project, as the HTML file serves as the foundation of the website while the folder serves as the additional resources needed to make the website more functional.

The screenshot shows the AWS S3 console interface. The top navigation bar includes the AWS logo, search bar, and user information (jtaris). The main navigation bar shows 'Amazon S3 > Buckets > nextwork-website-project-tariogun'. Below this, the bucket name 'nextwork-website-project-tariogun' is displayed with an 'Info' link. The 'Objects' tab is selected, showing a list of two items:

Name	Type	Last modified	Size	Storage class
NextWork - Everyone should be in a job they love_files/	Folder	-	-	-
NextWork - You should be in a job you love.html	html	June 12, 2025, 10:01:37 (UTC+01:00)	58.8 KB	Standard

Actions available include Copy S3 URI, Copy URL, Download, Open, Delete, Actions (dropdown), Create folder, and Upload. A note at the bottom of the object list states: 'Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)'.



# Static Website Hosting on S3

Website hosting means to house or contain the files needed for a website to run seamlessly.

To enable website hosting with my S3 bucket, I chose the option Enable.

An ACL is...a set of rules that controls the access of resources in the bucket by other parties. Yes, I enabled ACLs.

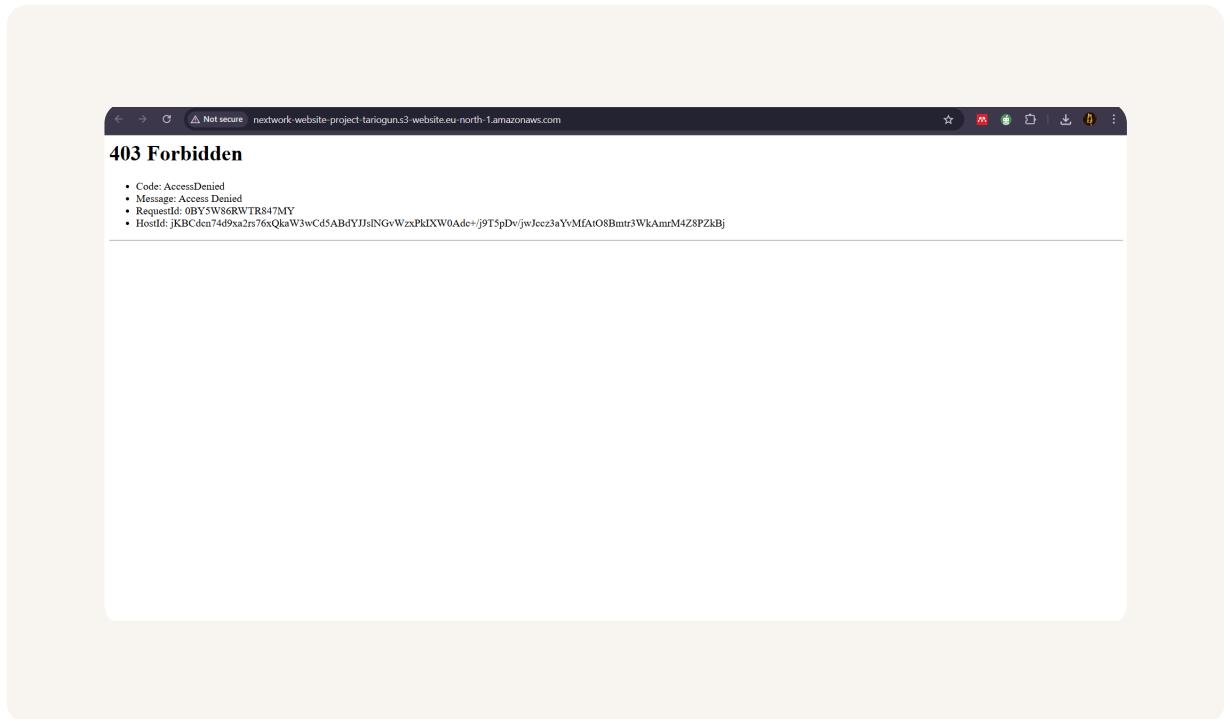
The screenshot shows the AWS S3 Bucket Properties page for 'nextwork-website-project-tariogun'. A green success message at the top right says 'Successfully edited static website hosting.' The 'Properties' tab is selected. In the 'Bucket overview' section, the ARN is listed as 'arn:aws:s3:::nextwork-website-project-tariogun'. The 'Creation date' is June 12, 2025, 09:56:49 (UTC+01:00). The 'Bucket Versioning' section shows it is 'Enabled'. The 'Multi-factor authentication (MFA) delete' section indicates it is 'Disabled'. The left sidebar shows general purpose buckets and storage lens options.



# Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is a regular website URL that allows users to access the site.

When I first visited the bucket endpoint URL, I saw 403 Forbidden. The reason for this error was my files in the bucket were still private.



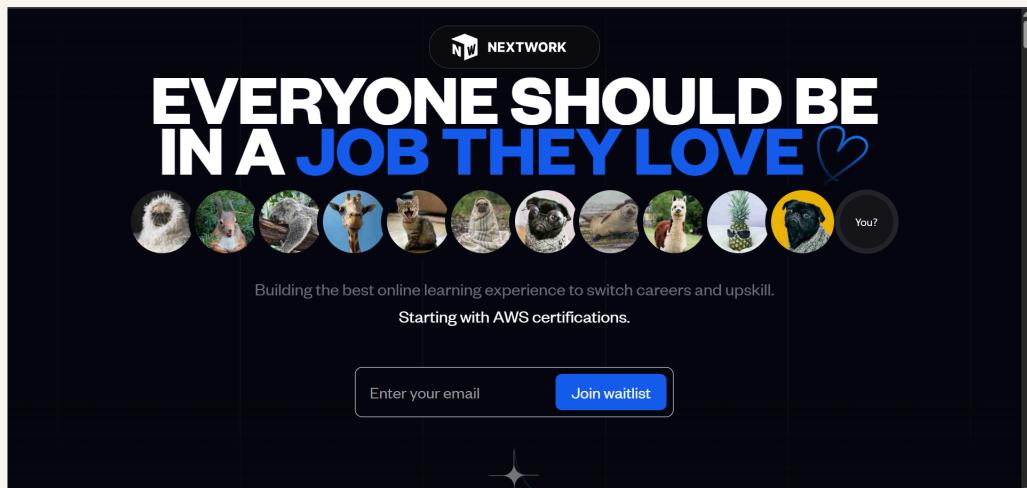


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# Success!

To resolve this 403 Forbidden error, I made my file and folder publicly accessible through a static endpoint.





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