

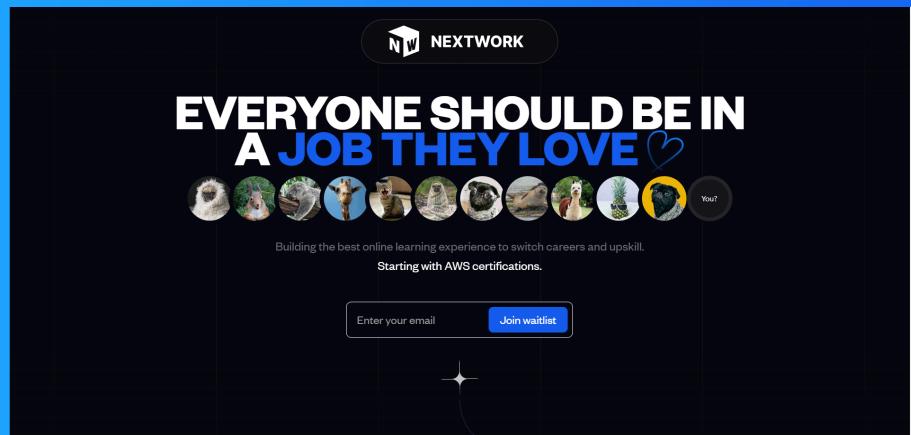


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Host a Website on Amazon S3

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Introducing Today's Project!

Today's project is...

Amazon S3, also known as Amazon Simple Storage Service, is a scalable object storage service offered by Amazon Web Services (AWS).

Static website hosting means...

Static website hosting refers to a method of delivering websites that are built using pre-defined HTML, CSS, and JavaScript files. These files are stored on a web server and delivered directly to the user's browser when they visit the website.

In AWS, I enabled static website hosting by...

Storage Endpoint URL Permissions Custom Domain

One thing I didn't expect...

AWS offers a vast array of services, each with its own set of features and functionalities. It can be overwhelming for a beginner to navigate and choose the right service for their specific needs.

This project took me...

215minutes



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Create an S3 Bucket

Creating an S3 Bucket took me...

less than a minute

My Region configurations

Europe (Stockholm) eu-north-1 it is the closest to me

My Access Control List configurations

An access control list (ACL) is basically a digital doorman. It's a list of rules that determines who can access what, and what they can do with it, in a computer system. ACL Enabled

S3 bucket naming is important!

S3 is designed to be a worldwide storage solution. You can access your S3 buckets from anywhere on the globe. To prevent confusion and naming conflicts that could hinder this accessibility, every bucket needs a unique name.

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The screenshot shows the AWS S3 Buckets page. At the top, a green banner indicates "Successfully created bucket 'groot279-website-project-groot279'". Below this, there's an "Account snapshot" section with a link to "View details". The main area displays a table of buckets. One row is selected, showing the bucket "groot279-website-project-groot279" with the following details:

Name	AWS Region	IAM Access Analyzer	Creation date
groot279-website-project-groot279	Europe (Stockholm) eu-north-1	View analyzer for eu-north-1	July 21, 2024, 13:37:05 (UTC+01:00)

At the bottom of the page, there are links for "CloudShell", "Feedback", and copyright information: "© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences".

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Upload Website Files to S3

Next, I uploaded the following files...

index.html and Everyone should be in a job they love_files

How these files work...

The index file, typically named index.html but it can be other names like index.htm depending on server configuration, is a web server convention.

Name	Type	Last modified	Size	Storage class
index.html	html	July 21, 2024, 13:50:50 (UTC+01:00)	58.8 KB	Standard
Everyone should be in a job they love_files/	Folder			



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Static Website Hosting on S3

Static website hosting means...

Website hosting on AWS refers to using Amazon Web Services (AWS) for storing and delivering your website's content over the internet. Unlike traditional hosting where you rent space on a single physical server, AWS offers cloud-based hosting solution

How I enabled hosting...

Create an S3 Bucket Upload Website Files: Set Index Document (Optional):
Configure Routing (Optional):

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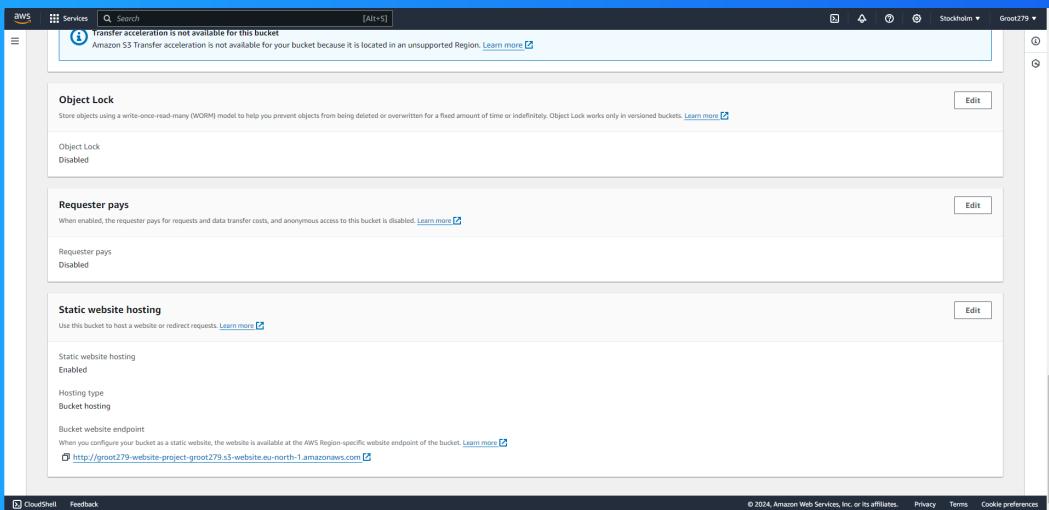
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Bucket Endpoints

Bucket Endpoint URLs

Directly Access Your Website: This URL acts as the basic address where your website content can be accessed publicly on the internet. Identify the S3 Bucket as Website Hosting: The URL structure itself indicates that the bucket is configured for webs



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An error!

When I first visited the bucket endpoint URL, I saw...

error message you're seeing is telling you that your static website is being hosted by S3, but the actual HTML/image files you've uploaded are still private.

Why did I get an error?

By default, objects (files) uploaded to S3 are private. This ensures your data remains secure unless you explicitly grant access.





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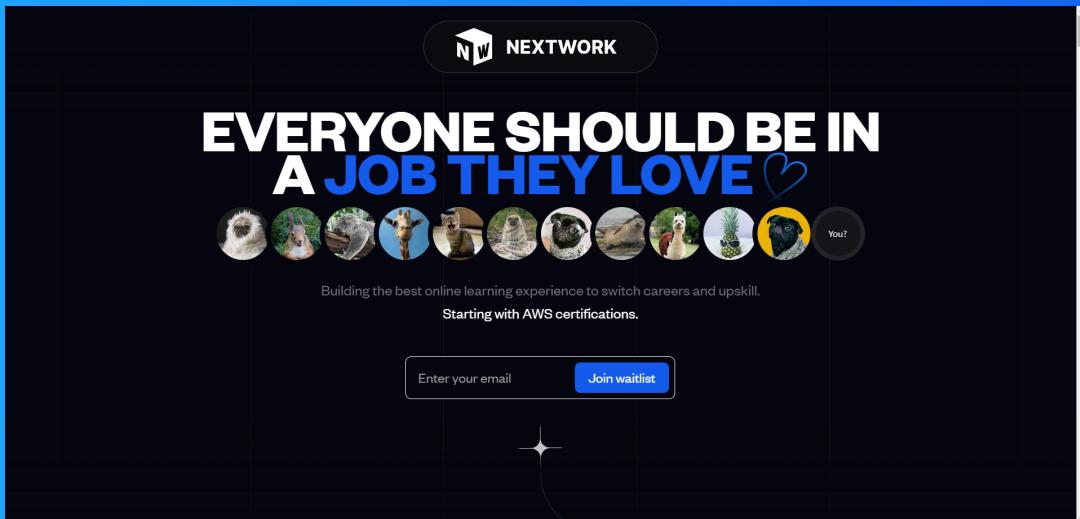
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Success

How I resolved my error...

Use ACLs to make objects in your S3 bucket public Select the objects in your S3 bucket, and make them public using ACL.





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