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Host a Website on Amazon S3



Roshan Thomas

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NextWork Student

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Introducing Today's Project!

Today's project is...

Web Site hosting,

Static website hosting means...

Static website hosting means hosting a website with fixed content that does not change or generate dynamically, typically consisting of HTML, CSS, and JavaScript files.

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

Head to the Objects tab. Select the HTML and folder files. Click Action tab and select Make public using ACL

One thing I didn't expect...

How easy it is to do web hosting

This project took me...

Took about 35 mins.



Create an S3 Bucket

Creating an S3 Bucket took me...

2 min

My Region configurations

Mumbai, Its closest to my place

My Access Control List configurations

Is a method of defining and managing permissions for access to resources. I picked ACL enabled.

S3 bucket naming is important!

S3 bucket names must be globally unique because Amazon S3 uses a single, global namespace for bucket names. This ensures that each bucket is uniquely identified across all AWS accounts worldwide, preventing naming conflicts.



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⌚ Successfully created bucket "nextwork-website-project-roshan"
To upload files and folders, or to configure additional bucket settings, choose [View details](#).

▶ Account snapshot - updated every 24 hours [All AWS Regions](#) [View Storage Lens dashboard](#)

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

[General purpose buckets](#) [Directory buckets](#)

General purpose buckets (1) [Info](#) [All AWS Regions](#)

Buckets are containers for data stored in S3.

Name	AWS Region	IAM Access Analyzer	Creation date
nextwork-website-project-roshan	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	July 24, 2024, 21:47:10 (UTC+05:30)

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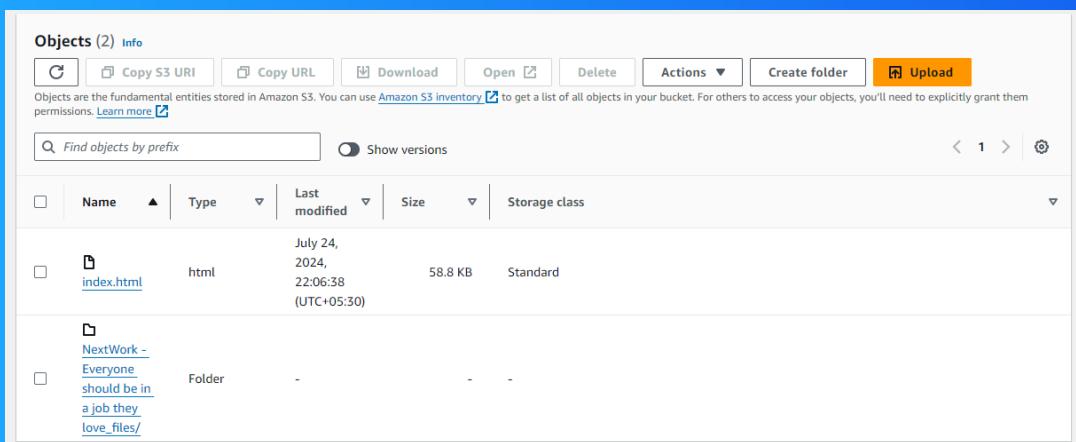
Upload Website Files to S3

Next, I uploaded the following files...

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

How these files work...

The HTML file outlines the website structure, while the image could be part of the website's visual assets. When a browser loads the HTML file, it will refer to any images specified within the HTML code to render the complete webpage.





Static Website Hosting on S3

Static website hosting means...

Website hosting means providing storage space and access for websites on a server so that they can be viewed on the internet.

How I enabled hosting...

- 1.choose the bucket created
- 2.Properties
- 3.In static website hosting select edit
- 4.static we hosting : choose enable hosting type : choose host a static website
- 5.index document : enter index.html



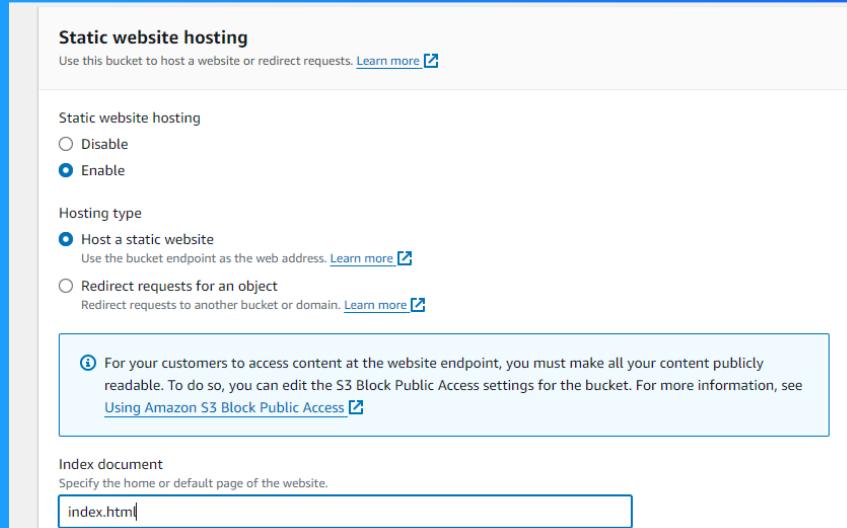
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Bucket Endpoints

Bucket Endpoint URLs

The bucket endpoint URL provided by S3 allows users to access the static website content hosted in the S3 bucket via a web browser.





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An error!

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

403 Forbidden Error.

Why did I get an error?

cos your static website is being hosted by S3, but the actual HTML/image files you've uploaded are still private

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: F27R9R695QGNEC6M
- HostId: uUghJHjksUFVnd2jI7/KtY5uoKsyI+N+cX2wNNildHn6vEuSiXxVkU62auaKGYuC2trNTr2u4LEw=

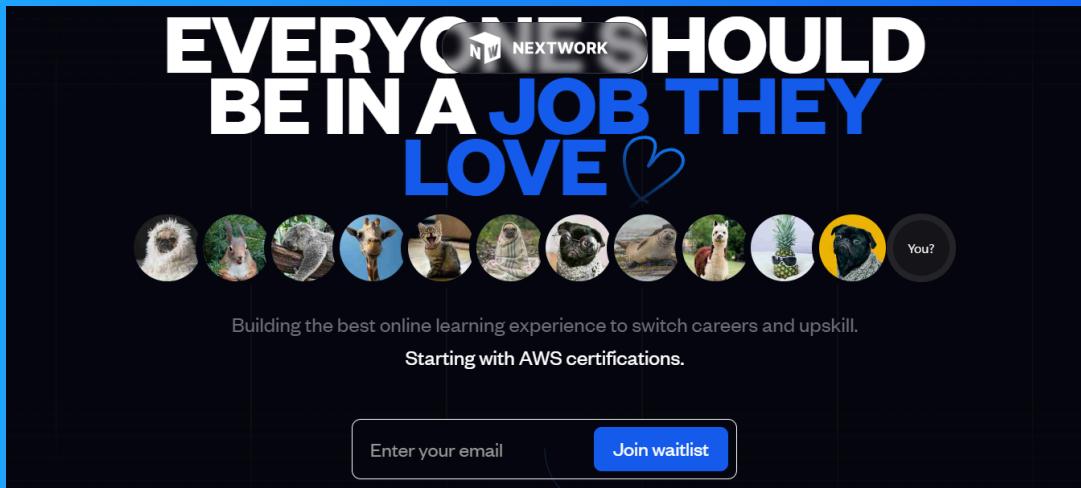
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Success

How I resolved my error...

Used the ACL to make the objects in s3 bucket public





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