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Host a Website on Amazon S3



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Introducing Today's Project!

What is Amazon S3

Because it is not only storage but S3 can be deployed a static website

How I used Amazon S3 in this project

This was my first experience to make a Amazon S3 to deploy static website

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

Amazon S3 can be deployed Static Website

This project took me...

45 minutes



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How I Set Up an S3 Bucket

Creating an S3 bucket took me around 15 minutes for the first time

The Region I Picked for my S3 bucket was ap-southeast-1 because the region is closest for my country

S3 bucket names are globally unique! This means no other AWS user in the entire world are same with my bucket name

The screenshot shows the AWS S3 Buckets page. At the top, there's a header with the AWS logo and the text "Amazon S3 > Buckets". Below the header, there's a section titled "Account snapshot - updated every 24 hours" with a link to "All AWS Regions". To the right of this is a "View Storage Lens dashboard" button. The main content area has tabs for "General purpose buckets" (which is selected) and "Directory buckets". A search bar labeled "Find buckets by name" is present. Below the search bar is a table with one row, showing the following details:

Name	AWS Region	IAM Access Analyzer	Creation date
network-website-project-auliaarifin	Asia Pacific (Singapore) ap-southeast-1	View analyzer for ap-southeast-1	November 15, 2024, 10:57:21 (UTC+07:00)

At the bottom of the table, there are buttons for "Create bucket", "Empty", "Delete", and "Copy ARN". There are also navigation arrows and a refresh icon.



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Upload Website Files to S3

index.html and image assets

I uploaded two files to my S3 bucket - they were a html file and the assets

Both files are necessary for this project as a page on my static website

Name	Type	Last modified	Size	Storage class
index.html	html	November 15, 2024, 11:21:06 (UTC+07:00)	58.8 KB	Standard
love_files/	Folder	-	-	-



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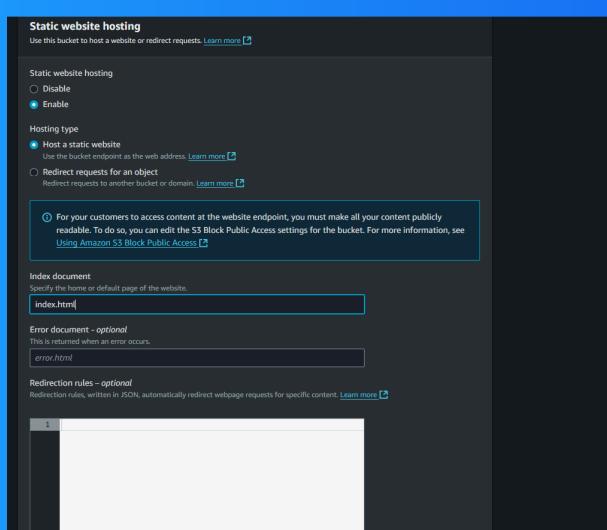
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Static Website Hosting on S3

Website hosting means my website can be accessed in the public internet

To enable website hosting with my S3 bucket, I'll go to the properties tab -> find a tab with Static Website Hosting and then click on edit -> choose enable

An ACL is a set of rules that decide who can access and manage the resource





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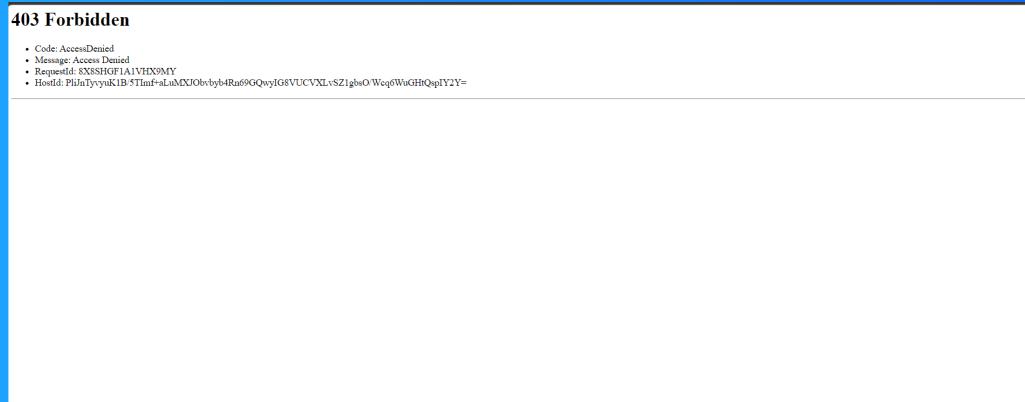
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Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is my website can be accessed with the end point URL under the Static Webhosting Tab.

When I first visited the bucket end point URL, I saw error for my page. The reason for this error was by default file that i have been uploaded on S3 is private. so i need to set the object to public, this is why we enabled ACLs.





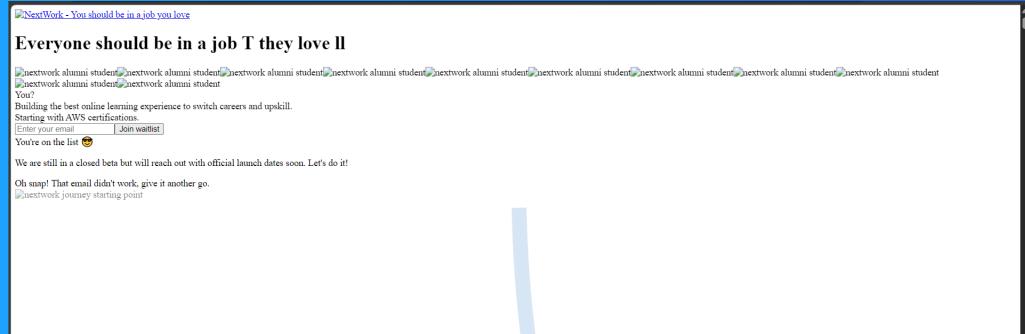
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Success!

To resolve this connection error, i just make my HTML file from private to public





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