



nextwork.org

Host a Website on Amazon S3



Santhosh K



This is a simple static website hosted on AWS S3. Below is a gallery of images stored in the S3 bucket.





Santhosh K

NextWork Student

nextwork.org

Introducing Today's Project!

In this project, i am going to host a website using AWS S3

Tools and concepts

i have learnt about how to create a S3 bucket and how to upload the files or folders.i have learnt about the block public access ,static website hosting of a s3 bucket

Project reflection

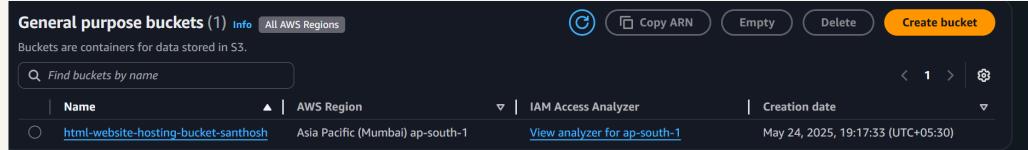
i have taken about 30 min

How I Set Up an S3 Bucket

i have taken about 5 min

The Region I picked for my S3 bucket was ap-south-1(Mumbai) because it is close to my city,so that i can get quick response

S3 bucket names are globally unique! beacuse buckets with same name globally causes data redundancy problems,so it must be unique





Upload Website Files to S3

index.html and image assets

I uploaded two files to my S3 bucket - they were index (1).html and image folder

Both files are necessary for this project because one is a HTML file and another is providing the image as a source for the HTML file

Files and folders (2 total, 29.9 KB)						
Name	Folder	Type	Size	Status	Error	
index.html	-	text/html	6.9 KB	Succeeded	-	
images.zip	-	application/x-zip-comp...	23.0 KB	Succeeded	-	



Santhosh K

NextWork Student

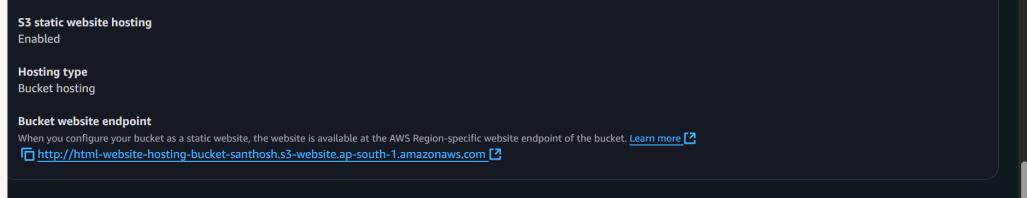
nextwork.org

Static Website Hosting on S3

Website hosting means to makes your website public on the internet

To enable website hosting with my S3 bucket, under properties of my S3 bucket i have enable it and i have index document file name as index (1).html

An ACL is set of rules that decides who can get access to a resource. Enabling ACLs in this S3 setup lets you control who can access and do things with the objects (i.e. website files) you upload into your bucket.





Santhosh K

NextWork Student

nextwork.org

Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is to visit your S3 bucket's files as a website using a link

When I first visited the bucket endpoint URL, I saw... The reason for this error was 403 access denied ,due to the access control

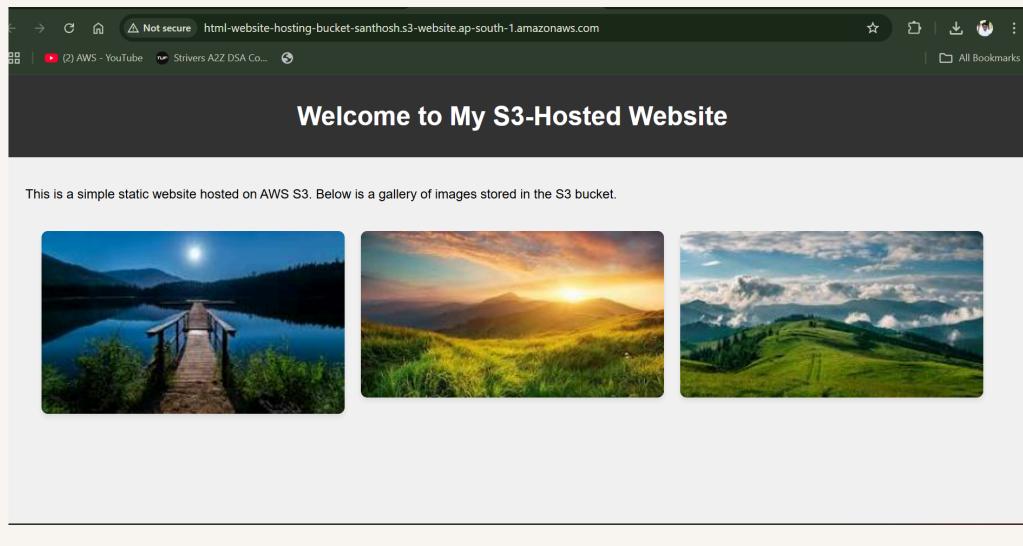
403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: 92V3GMB1ER190DFG
- HostId: 0wamdjRvEpfl5f95FogKRQS9yKg5hQXz2cKIa3ngqPmjDwbCUI/AoMfW6EWoHW2kUi0g0Y3Ub3A=



Success!

To resolve this 403 Forbidden error, I have added the bucket policy





nextwork.org

The place to learn & showcase your skills

Check out nextwork.org for more projects

