

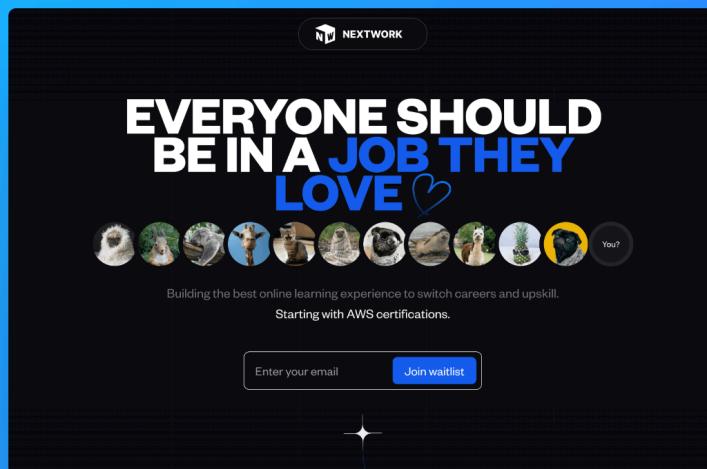


NextWork.org

Host a Website on Amazon S3



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Introducing Today's Project!

What is Amazon S3

Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance. Customers of all sizes and industries can use Amazon S3 to store...

How I used Amazon S3 in this project

I used S3 as a Storage Service to store my files and later hosted or made public by enabling public ACL...

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

I didn't expected it to be so easy to accomplish...

This project took me...

hardly this project took 30 min as I was experienced with S3 before...

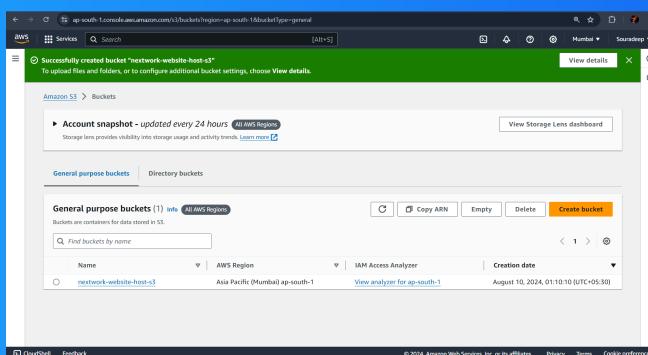


How I Set Up an S3 Bucket

S3 as a storage service provided by Amazon is easy to use and setup and it hardly took 2 min....

I picked ap-south-1(Mumbai) cause that's the nearest region (Asia-Pacific)

An S3 bucket name is globally unique, and all AWS accounts share the namespace. After we create a bucket, no other AWS account in the entire world can use your bucket's name unless we delete the bucket.





Upload Website Files to S3

index.html and image assets

So We uploaded 2 files 1)index.html 2)NextWork - Everyone...love_files(after unzipping)

One of them is the index file and the other file is a zip folder required to display essential resources as well as for supporting the index.html file

The screenshot shows the AWS S3 console interface. The top navigation bar includes the AWS logo, Services, Search, and user information (Mumbai, Souradeep). Below the navigation is the breadcrumb trail: Amazon S3 > Buckets > nextwork-website-host-s3. The main content area is titled "nextwork-website-host-s3" with a "info" link. A navigation bar below the title has tabs for Objects, Properties, Permissions, Metrics, Management, and Access Points, with "Objects" being the active tab. A toolbar above the object list includes buttons for Copy S3 URI, Copy URL, Download, Open, Delete, Actions (with a dropdown menu), Create folder, and Upload. A search bar labeled "Find objects by prefix" and a "Show versions" checkbox are also present. The object list table has columns for Name, Type, Last modified, Size, and Storage class. The first object is a folder named "NextWork - Everyone should be in a job they love_files/", and the second is an HTML file named "NextWork - You should be in a job you love.html". At the bottom of the page, there are links for CloudShell, Feedback, and a footer with copyright information: © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences.

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	August 10, 2024, 01:19:43 (UTC+05:30)	58.8 KB	Standard



Static Website Hosting on S3

'Website hosting means'... is a way that makes our website public on the internet.

'To enable website hosting with my S3 bucket, I' First clicked on the bucket then I Choose the Properties tab. Static website hosting -> edit->Enable->Host a static website -> html file name

Access Control Lists (ACL)

An ACL = a set of rules that decides who can get access to a resource. I enabled it

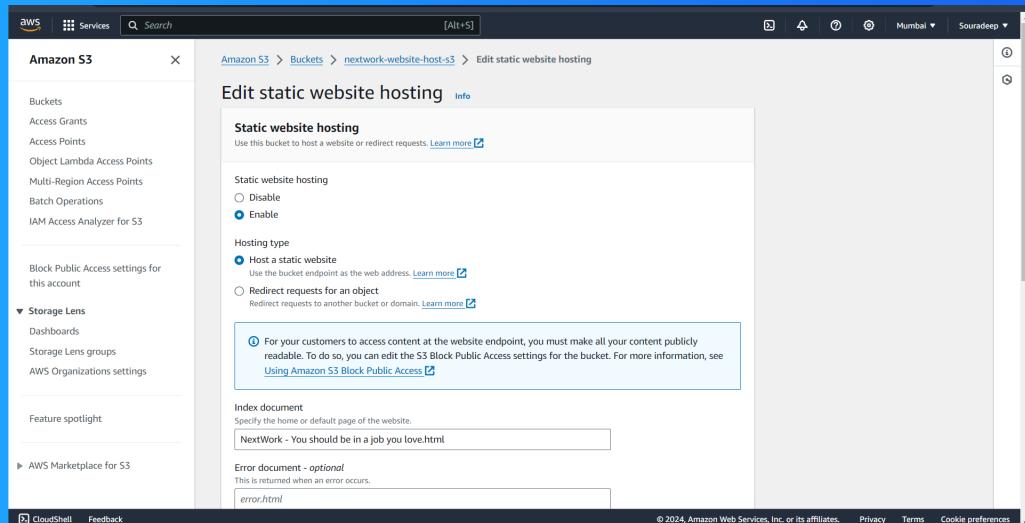


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Bucket Endpoints

'Once static website is enabled, S3 produces a bucket endpoint URL, which is a web address used to access static websites hosted in a cloud storage bucket, commonly within services like Amazon S3 (Simple Storage Service)





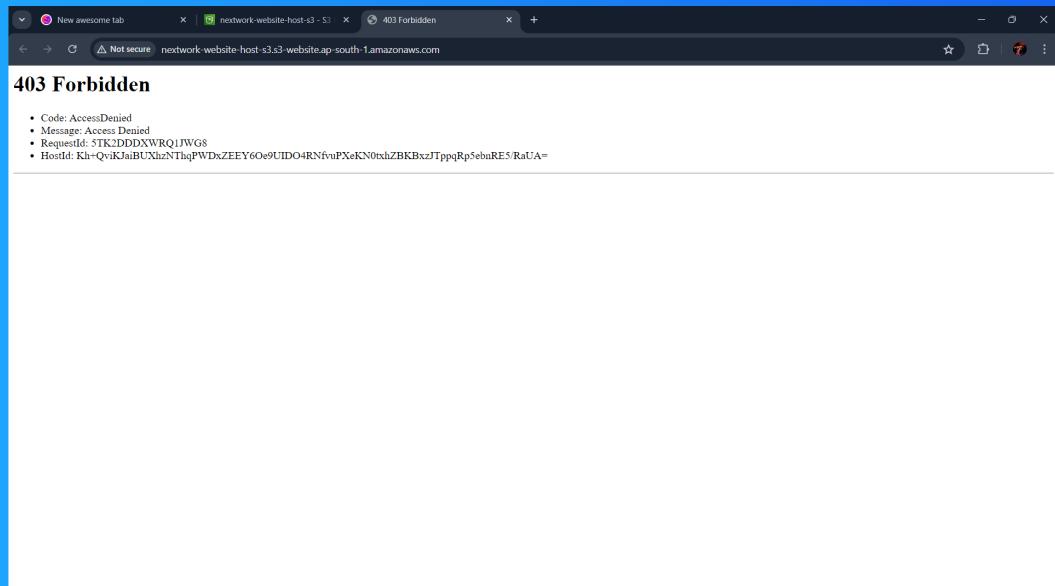
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An error!

'When I first visited the bucket endpoint URL, I saw 403 Forbidden error (Access Denied)...

The reason for this error was as mentioned before was 403 Forbidden Error (Access Denied)...



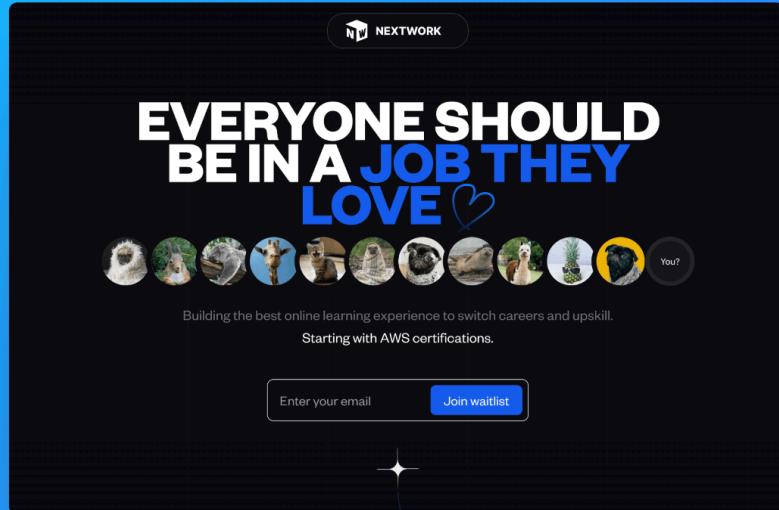


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Success!

'To resolve this connection error, I enabled selected the object and then clicked on Make public using ACL from the dropdown menu of Action ...





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