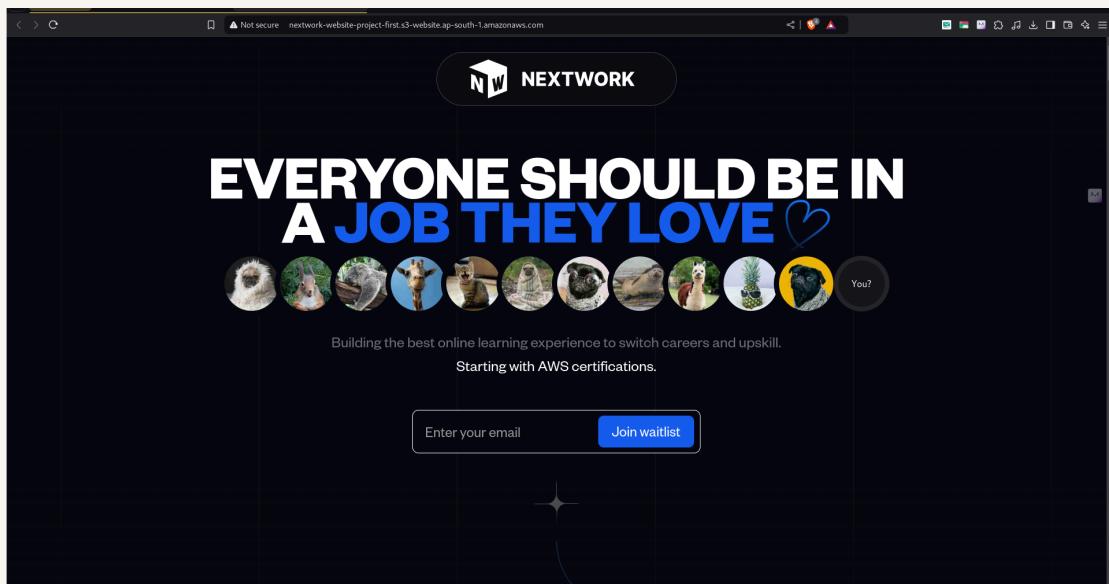


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# Host a Website on Amazon S3



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# Introducing Today's Project!

## What is Amazon S3

it is v useful to host and manage websites and its resources

## How I used Amazon S3 in this project

I used it to host my static website and provide public access for everyone.

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

I really didn't expect it to be so easy to follow and understand.

## This project took me...

40-45 mins. would've taken lesser if you just blindly follow everything given in the documentation but would take you this much if you are doing it with lesser help.



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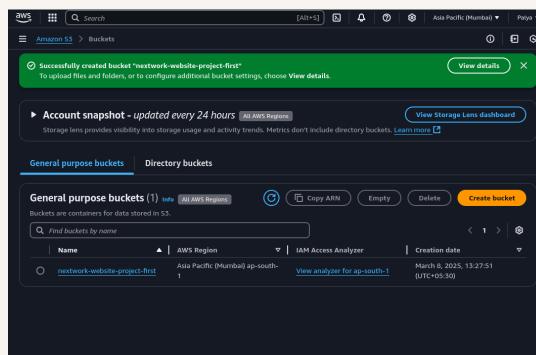
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# How I Set Up an S3 Bucket

Creating an S3 bucket took me some time because i read through everything and was v cautious (typical beginner move lol) but now im done.

Asia Pacific(Mumbai)

3 bucket names are globally unique! This means that no 2 buckets can have the same name!



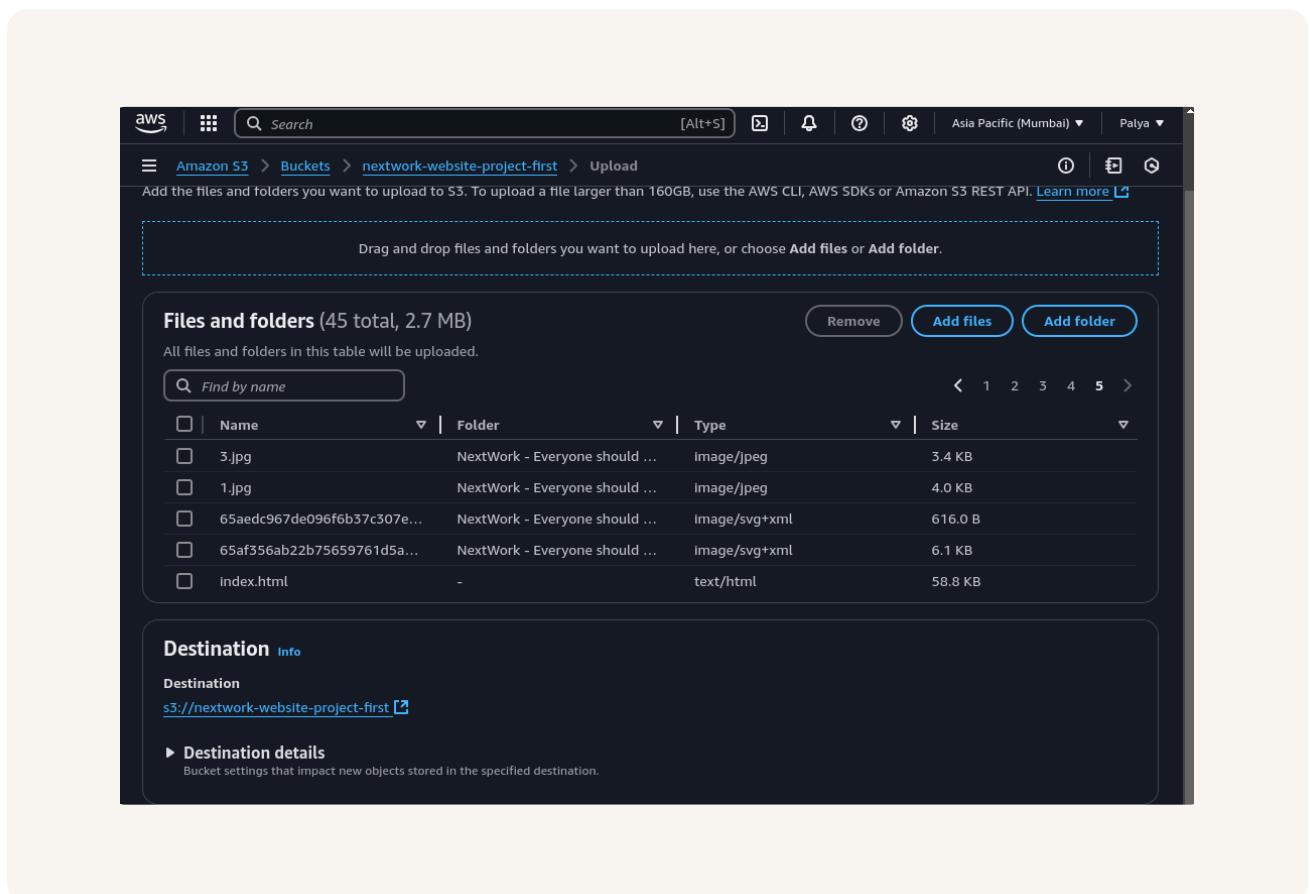


# Upload Website Files to S3

## index.html and image assets

I uploaded two files to my S3 bucket - they were index.html and 44 images.

Both files are necessary for this project as one provides the structure and others gives the media files for it.



The screenshot shows the AWS S3 console upload interface. The top navigation bar includes the AWS logo, search bar, and region selection (Asia Pacific (Mumbai)). The main navigation path is Amazon S3 > Buckets > nextwork-website-project-first > Upload. A message at the top says "Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API." Below this is a large dashed blue box with the placeholder text "Drag and drop files and folders you want to upload here, or choose Add files or Add folder." A "Files and folders (45 total, 2.7 MB)" section lists the uploaded files:

Name	Folder	Type	Size
3.jpg	NextWork - Everyone should ...	image/jpeg	3.4 KB
1.jpg	NextWork - Everyone should ...	image/jpeg	4.0 KB
65aedc967de096f6b37c307e...	NextWork - Everyone should ...	image/svg+xml	616.0 B
65af356ab22b75659761d5a...	NextWork - Everyone should ...	image/svg+xml	6.1 KB
index.html	-	text/html	58.8 KB

Below the file list is a "Destination" section with the URL "s3://nextwork-website-project-first". A "Destination details" link is shown below it.



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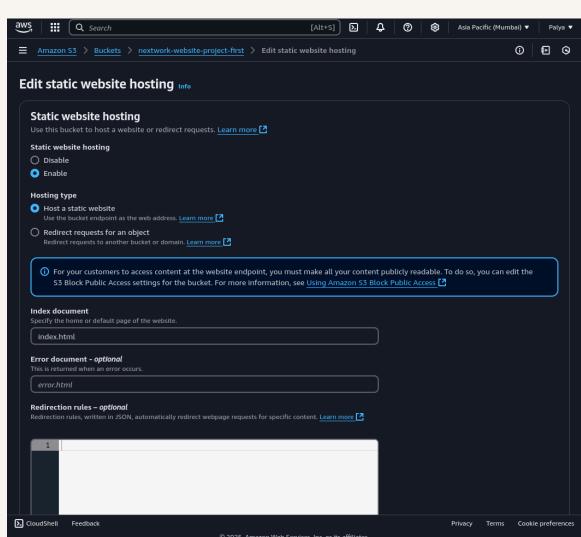
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# Static Website Hosting on S3

Website hosting means, making the website publicly accessible for anyone and everyone with the link

To enable website hosting with my S3 bucket, I first set it up and enabled the public access options and uploaded my file objects.

An ACL is a set of rules defining who gets to access your bucket and who doesn't.





# Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is -  
<http://nextwork-website-project-first.s3-website.ap-south-1.amazonaws.com/>

When I first visited the bucket endpoint URL, I saw... The reason for this error was the S3 bucket components are by default private.



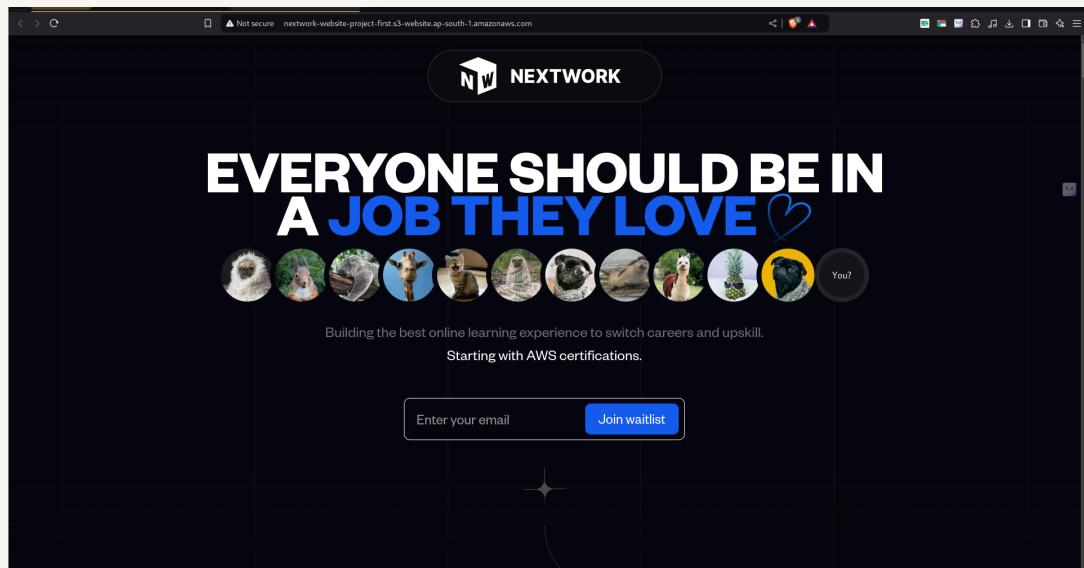


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# Success!

To resolve this connection error, I had to select all the objects i had to make puclic to make this website work and i did it by selecting the objects in the bucket and making their asl public





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