

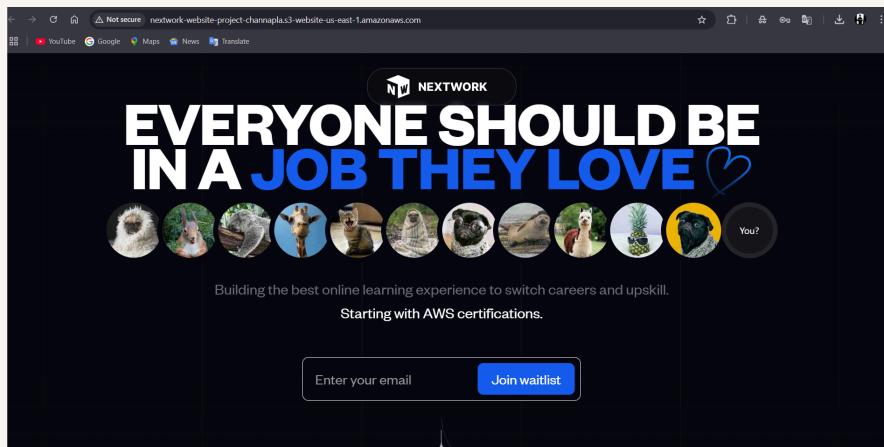


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Host a Website on Amazon S3



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Introducing Today's Project!

What is Amazon S3

Amazon S3 is a storage service where we can store our files or any information which has to accessed in our work.

How I used Amazon S3 in this project

In today's project the main action is S3 bucket as followed the step guide through NextWork it was easy to create S3 bucket and execute the task

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

The one thing i did'nt expected in this project was error, error should occur then only we learn the process.wohhh it was fun....

This project took me...

This project didn't take more than an hour

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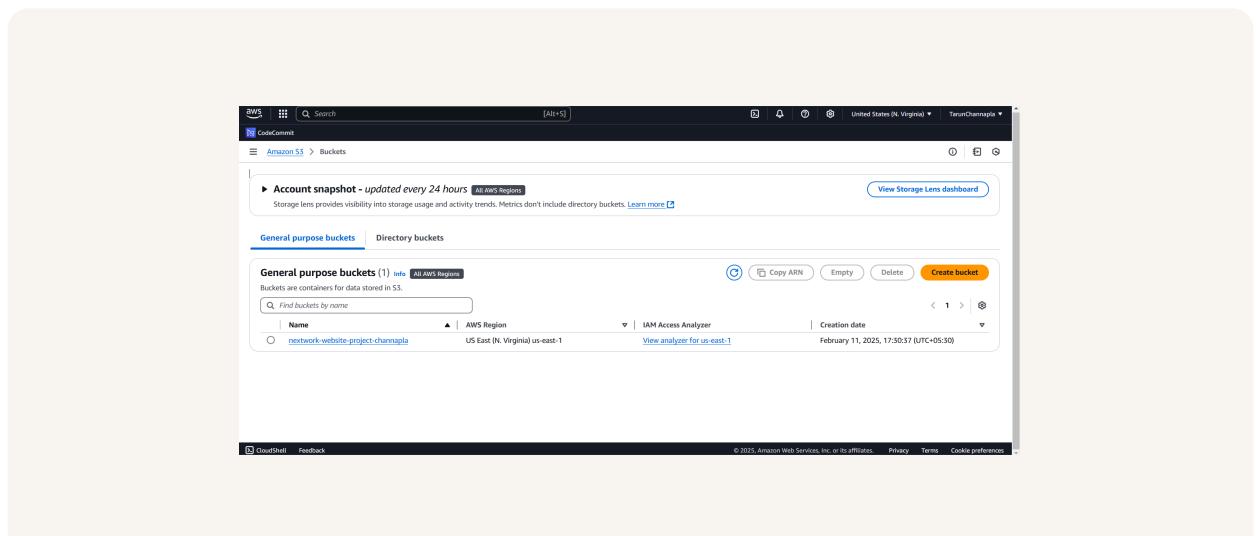
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How I Set Up an S3 Bucket

Creating an S3 bucket took me not more than a minute as seeing the step by step guide it felt easier to create a bucket

The Region I picked for my S3 bucket was us-east1 because it has been set to default and my region is already been getting paid after so many uses for practice so i chose us-east1

S3 bucket names are globally unique .This means that when you create a bucket it will be unique so that no other can create a bucket saame as yours until and unless you delete it after using it.



Upload Website Files to S3

index.html and image assets

I uploaded two files to my S3 bucket - they were index.html and another folder named NextWork - Everyone should be in a job they love_files

Both files are necessary for this project as we are beginning to create a project of hosting a website it is important to upload these files

The screenshot shows the AWS S3 console interface. At the top, the bucket name is 'nextwork-website-project-tarunchannapla'. Below the header, there are tabs for 'Objects', 'Metadata - Preview', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The 'Objects' tab is selected.

The main area shows a table of objects:

	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	index.html	html	December 18, 2024, 13:48:01 (UTC+05:30)	58.8 KB	Standard
<input type="checkbox"/>	NextWork - Everyone should be in a job they love_files/	Folder	-	-	-

Below the table, there is a message about objects being fundamental entities stored in Amazon S3, and a link to 'Amazon S3 inventory'.

At the bottom right of the screenshot, there is a large, semi-transparent rounded rectangle containing the S3 interface, which is itself also semi-transparent, creating a nested effect.

Static Website Hosting on S3

Website hosting means hosting a website in public where all the others can access our webpage but this is for our reference sake in our future we will be hosting some cool website where people can get use of it.

To enable website hosting with my S3 bucket, I followed all the steps that you suggested that is in properties enable web hosting and host a static websit

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

The screenshot shows the 'Static website hosting' configuration section of an AWS S3 bucket's properties. It includes fields for enabling hosting, specifying the index document as 'index.html', and setting an error document as 'error.html'. A note about making content publicly readable is displayed in a callout box.

Static website hosting
Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting
 Disable
 Enable

Hosting type
 Host a static website
Use the bucket endpoint as the web address. [Learn more](#)
 Redirect requests for an object
Redirect requests to another bucket or domain. [Learn more](#)

Index document
Specify the home or default page of the website.
index.html

Error document - optional
This is returned when an error occurs.
error.html

Redirection rules - optional
Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)

Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is just like a regular website URL. It lets people visit your S3 bucket as a website.

When I first visited the bucket endpoint URL, I saw the 403 Forbidden error. The reason for this error was static website is being hosted by S3, but the actual HTML/image files i have uploaded are still private. I have to make it public by using ACLs

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: 8C13G9ZPT10P8VC7
- HostId: 9m9e9cb0Aqkf4hgjwlnLVqcsGUQ1zd2nhn3y2AHv75X11McxX55huKZv7UGRxyvqkTB5as22Jz1jdrfC7unbMMC6Z4yIH+QFDYsTCI4KSTQ+

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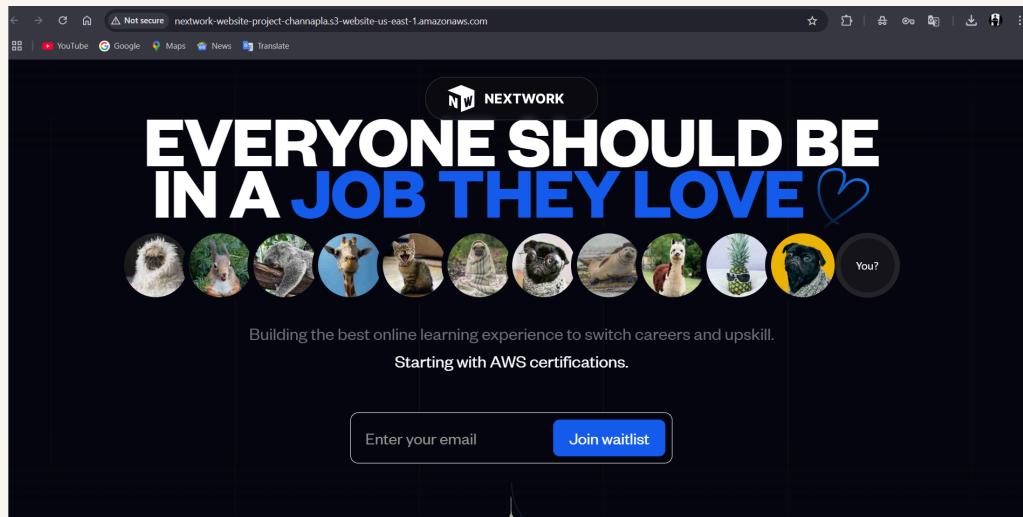
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Success!

To resolve this connection error, I made the objects to being access by public using ACL's in actions tab of objects it pops op info just give make public then refresh the error message webpage everything is fine now.





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