



How I Hosted A Website on S3



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Introducing Amazon S3!

What it does & how it's useful

Amazon S3 is...a scalable, high-speed, web-based cloud storage service designed for online backup and archiving of data and application on AWS

Developers and teams use Amazon S3 because...to store picture or video and also to deploy static website.

use cases:- Disaster Recovery, Static website, Hybrid Cloud Storage and Backup and storage.

How I'm using it in today's project

I'm using Amazon S3 in this project to present you easy way to host website

This project took me...

Not as much as you might think at first, with all the documentation and writing about one hour and half, may be little less



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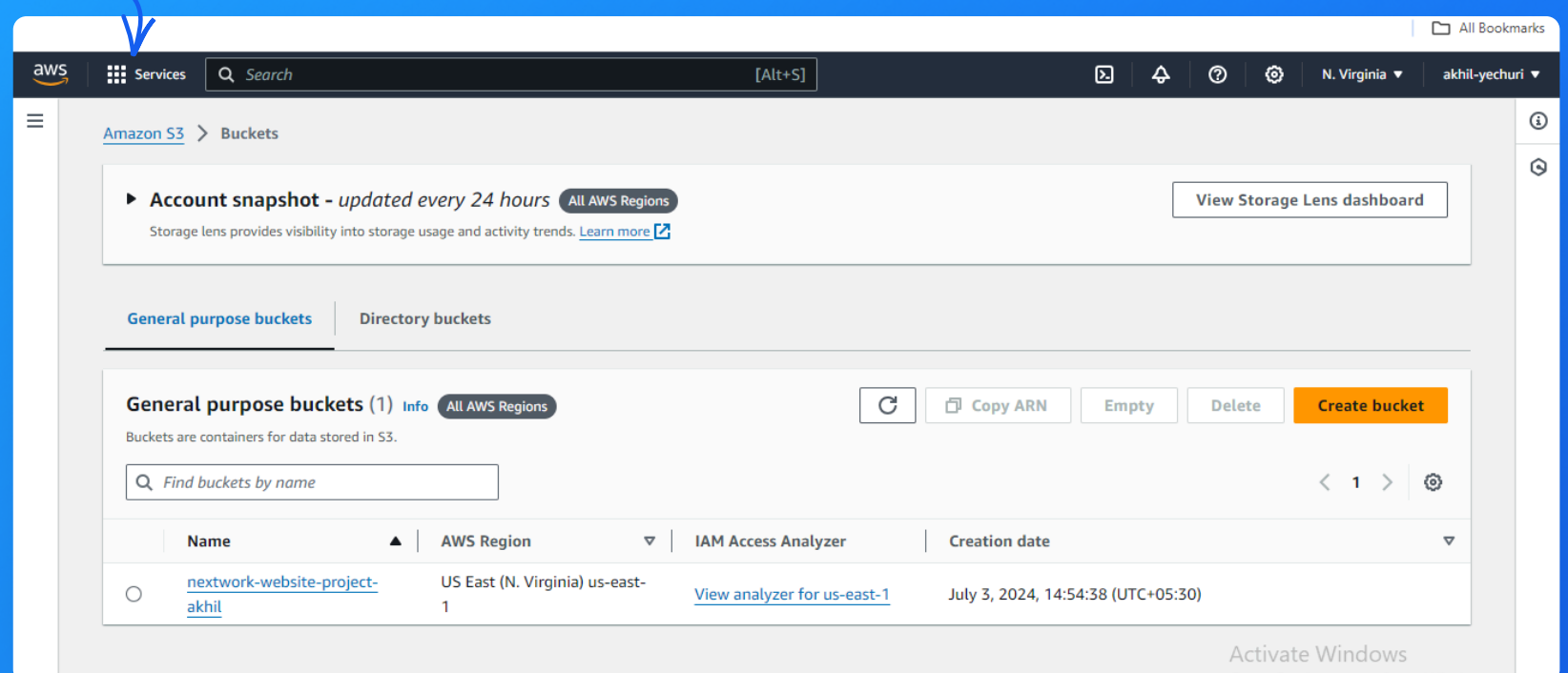
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Create an S3 bucket

- Creating an Amazon S3 bucket took me a couple of minutes. The whole process is easy and clearly explained .
- Some of the configuration steps include:
 - The bucket's Region: make sure you choose a region closest to you, though you might have already done that during setting up your AWS account.
 - Access Control Lists: who you allow to access and what actions are allowed to do.
 - Bucket versioning: Versioning in Amazon S3 is a means of keeping multiple variants of an object in the same bucket. at present. choose wisely
 - Public Access: since, it's a website you want to be public.
- S3 bucket names have to be globally unique.

My created bucket!





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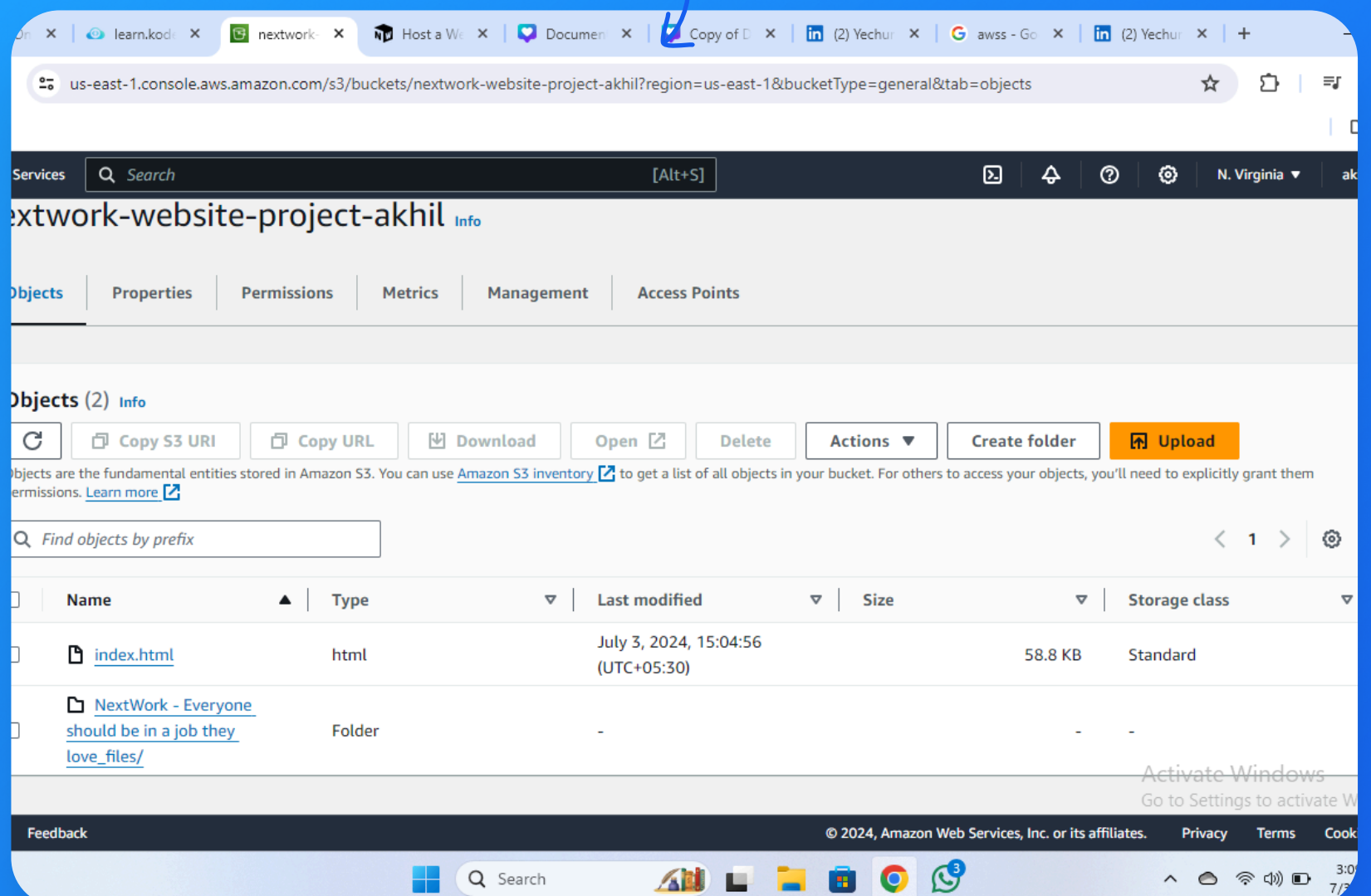
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Upload website files to S3

- Next, I uploaded my website's files into my S3 bucket.
- There were two files to upload: a folder called "Nextwork-everyone should be in a job they love files" and a file called "index.html". we need both of them, to ensure proper website behaviour and organisation.

Objects successfully uploaded!





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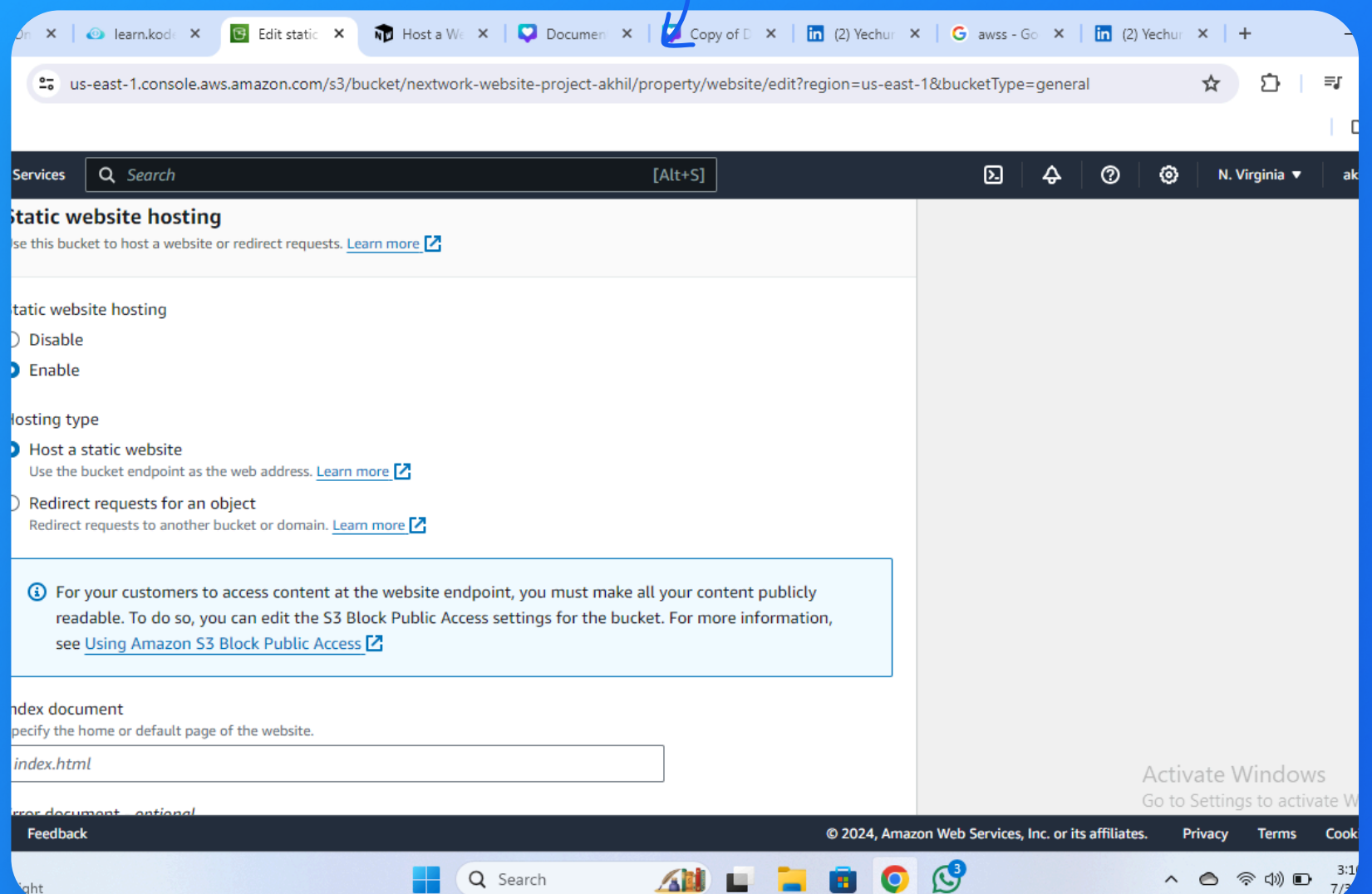
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Static web hosting on S3

- Website hosting in AWS let's you host static website. it's like having a reliable storage space for your website files in the cloud
- To enable website hosting, click in the "Properties" section of your s3 bucket and down to "static website hosting" and click "enable"
- Once static website is enabled, S3 produces a bucket endpoint URL.

Setting up static website hosting...





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An error!

- When I visited the bucket endpoint URL, an error message
- The reason for this error was the fact that the elements in my s3 bucket were still private and not public. check them and from the action selection choose to make them public

The error!

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: 7AH6QCDVPG6P5Z33
- HostId: IIKdACrq80iVm4XozxTSy7VUN13IUKE392x60+DSbts9hQh1DuCAIuDQATzaU4vTTmfr1LNi1MQ=



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Voila! My website was up and running after resolving those errors



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My Key Learnings

- 1 Static website hosting means...hosting files and folders in the AWS s3 bucket and making them accessible on the internet.
- 2 The settings I used to make my website available to the public were...
 1. enabled static website hosting in the properties tab of the bucket.
 2. made the objects as public
- 3 My bucket endpoint URL initially still returned an error because... the objects are private by default when we upload.
I had to resolve this by...making them as public
- 4 One thing I didn't expect was...that it took only short amount of time to host a website,