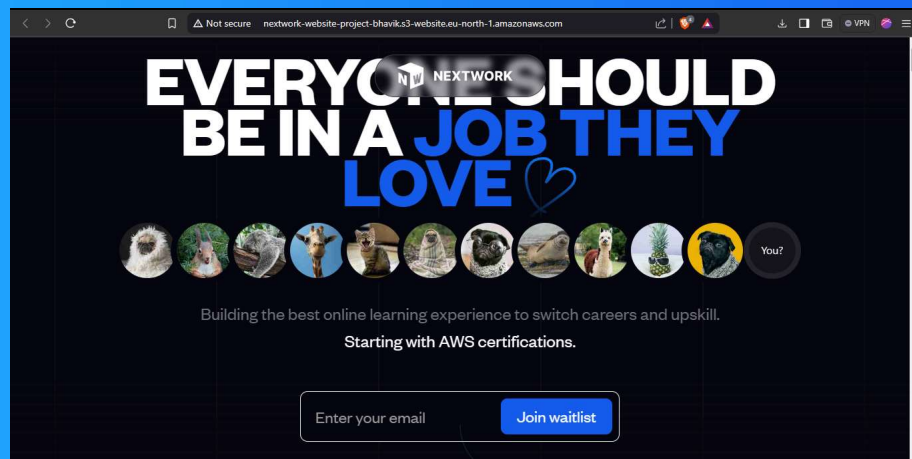


[NextWork.org](https://nextwork.org)

Host a Website on Amazon S3

 bhavikjain2888@gmail.com



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Introducing Today's Project!

Today's project is...

Created AWS S3 bucket. Stored html file and images in S3 bucket. Hosted a static webpage on S3 Bucket. Changing access to public using ACLs.

Static website hosting means...

Static website hosting means hosting a service that has fixed content without any server-side processing.

In AWS, I enabled static website hosting by...

Turned on public access to objects.

One thing I didn't expect...

One thing I didn't expect in this project was how straightforward and smooth the process would be.

This project took me...

The project took me an hour to complete due to an error; without the error, I would have finished it in 30 to 40 minutes.

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Create an S3 Bucket

Creating an S3 Bucket took me...

40 - 50 seconds

My Region configurations

eu-north-1(Stockholm) I chose this region because it is the nearest server to my device and by using this the process becomes fast

My Access Control List configurations

ACL is a set of permissions that defines who has access to a specific resource. I picked default ACL for this project.

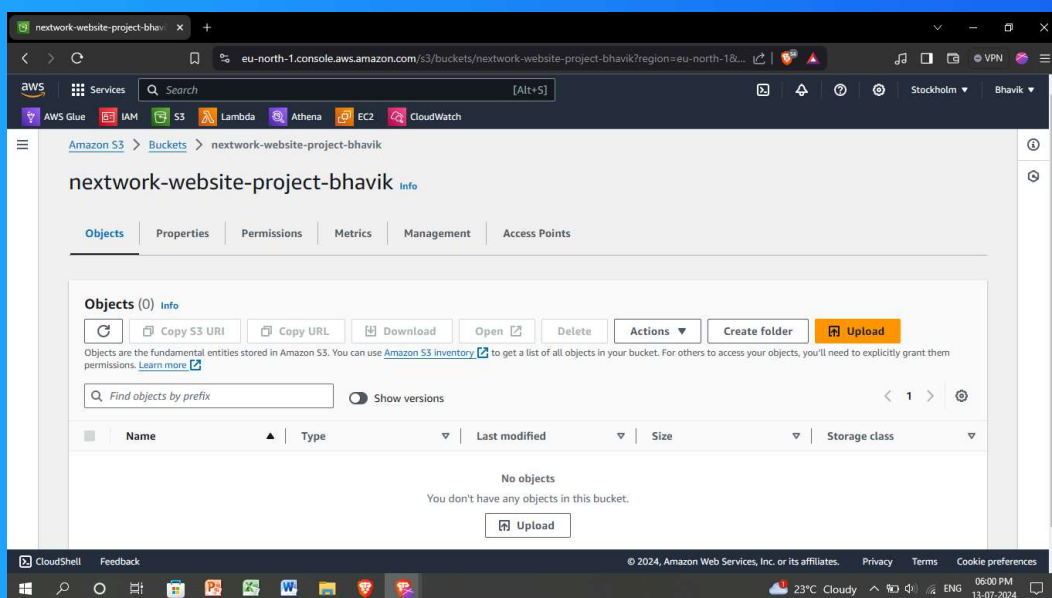
S3 bucket naming is important!

S3 bucket name should be globally unique to ensure unambiguous access, security and efficient management in a global namespace.



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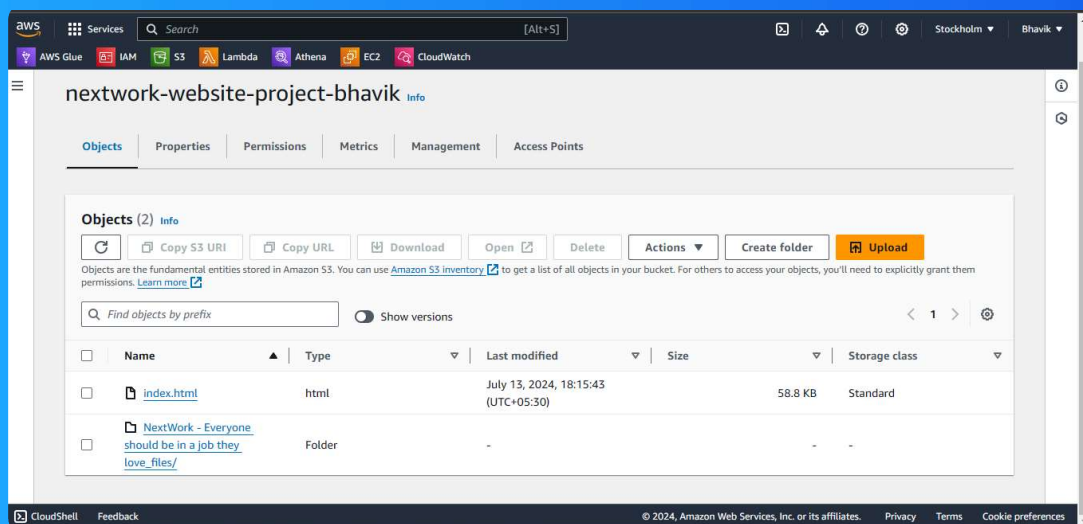
Upload Website Files to S3

Next, I uploaded the following files...

Two files I uploaded were a html file and a folder containing images.

How these files work...

The html file will be used to create a webpage and the folder containing images will be used to display the images in the webpage.



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Static Website Hosting on S3

Static website hosting means...

Website hosting means allowing individuals to make their website accessible on the internet by storing its files on a server.

How I enabled hosting...

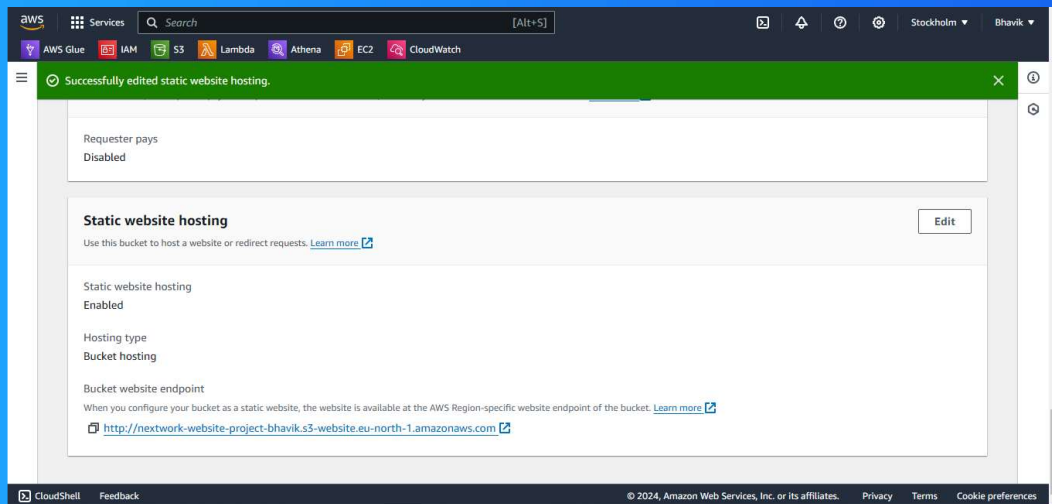
We enabled the static web hosting feature on S3 bucket.



Bucket Endpoints

Bucket Endpoint URLs

By using this URL anyone can access the website on their computer easily.





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An error!

When I first visited the bucket endpoint URL, I saw...

403 forbidden message and acces denied message were being displayed.

Why did I get an error?

The error message is that the static website is hosted by S3, but the actual html and image files uploaded are still private.

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: WVJ0RTJ10HR531CQ
- HostId: BygJEK8NCokyGFp41pHmSobh5Rlue797N6Zsi+G5EaYJtA0TOc2Fgy2rFbkRLMvygTOUUrFcro=

An Error Occurred While Attempting to Retrieve a Custom Error Document

- Code: AccessDenied
- Message: Access Denied



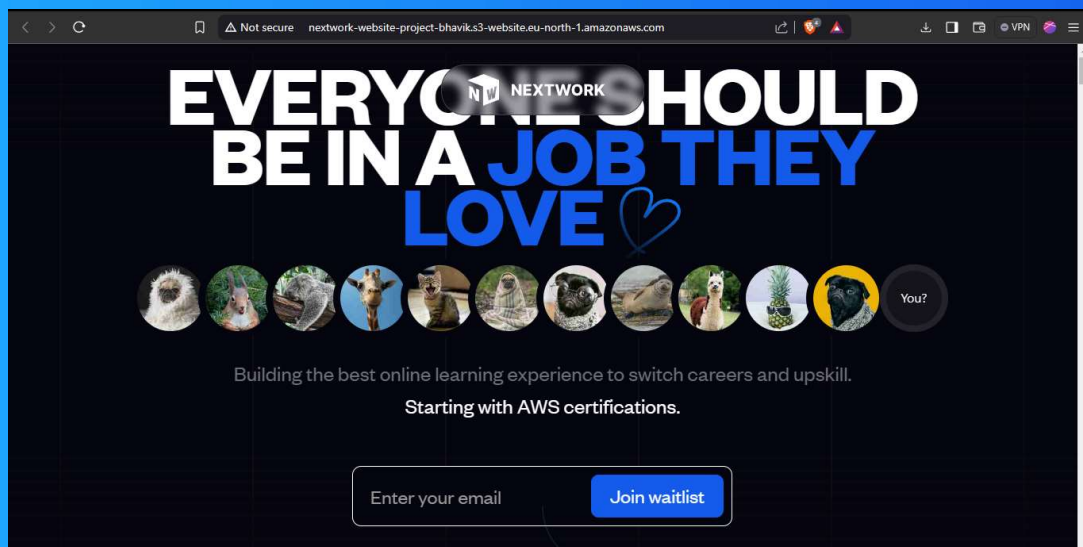
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Success 🎉

How I resolved my error...

I changed the objects access public by using ACLs.





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