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# Host a Website on Amazon S3



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The graphic features a row of circular profile pictures at the bottom, followed by a yellow heart icon. On the right side, there is a small circular placeholder with the text "You?".

# Introducing Today's Project!

## What is Amazon S3

Amazon S3 (Simple Storage Service) is a cloud-based storage service provided by AWS that allows you to store and retrieve large amounts of data anytime, anywhere. It's highly scalable, durable, and secure, making it suitable for a wide range of use.

## How I used Amazon S3 in this project

I used Amazon S3 to host a website. I followed these steps: Created an S3 Bucket, Enabled Static Website Hosting, Uploade Website Files, Set Bucket Permissions for Public Access and Access the Website Endpoint.

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

I didn't expect to get the error when I tried to reload the website until I figured out that I hadn't enabled ACL'S.

## This project took me...

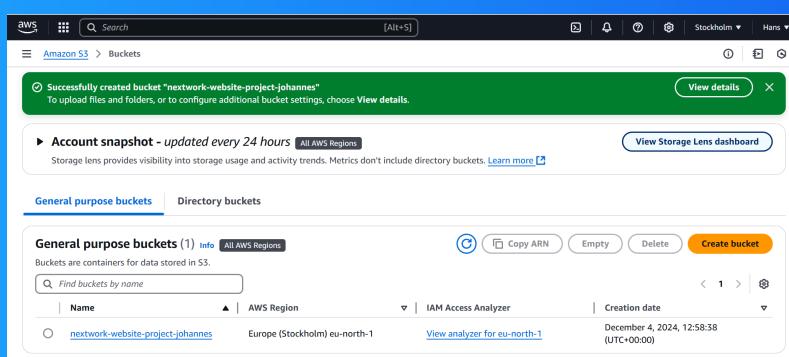
It took me 30 minutes to complete this project.

# How I Set Up an S3 Bucket

Creating an S3 bucket took me 2 minutes.

The region I picked for my S3 bucket was Stockholm eu-north-1 because I have not enabled some of the regions in my account and some AWS services or features might not yet be available in regions closer to West Africa South Africa.

This means every bucket name is treated as a single, unique identifier across all AWS accounts and regions. For example: If you create a bucket named my-awesome-bucket, no other user, anywhere in the world, can create a bucket with the same name unl

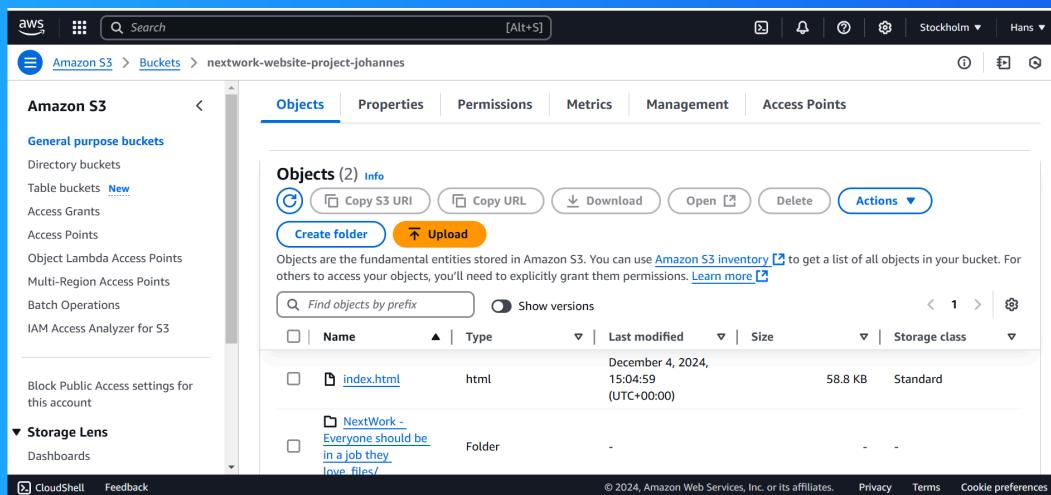


# Upload Website Files to S3

## index.html and image assets

I uploaded two files to my S3 bucket they were index.html file and zip files containing images.

Both files are necessary for this project as the index.html file that sets up website or displays the design and webpages of the website and zip files containing images.

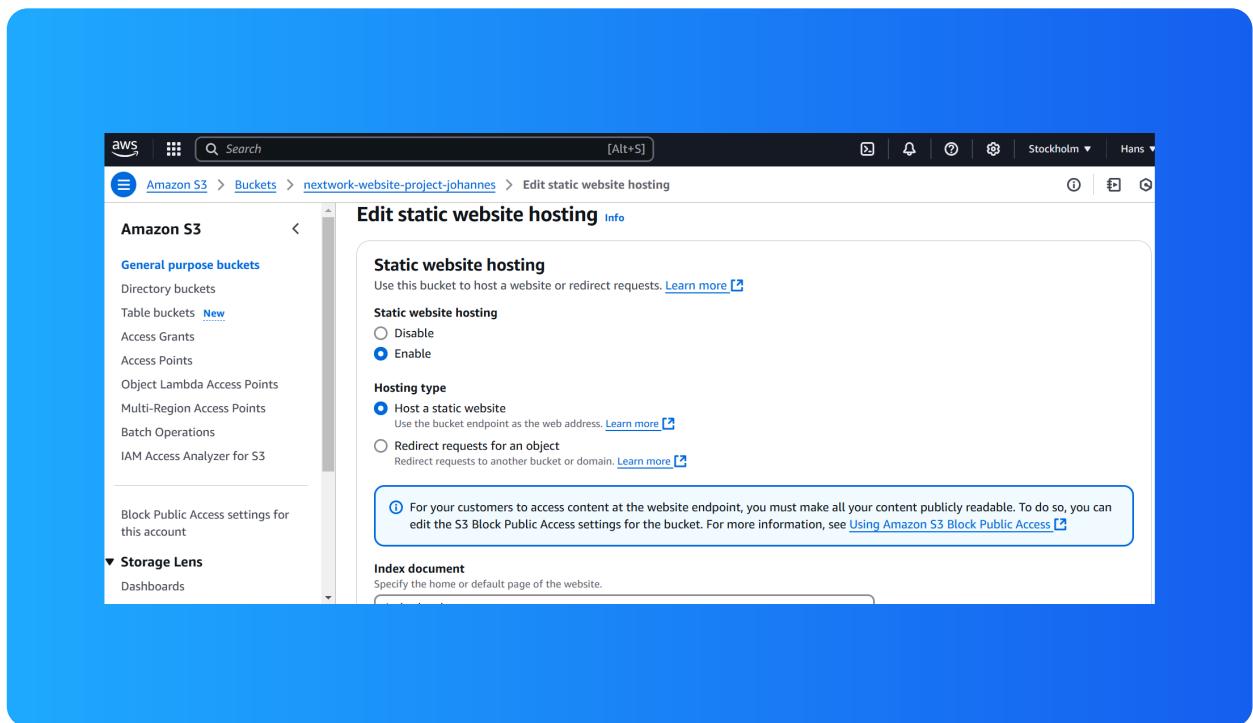


# Static Website Hosting on S3

Website hosting means the service of providing storage space and access for websites on the internet. A website host (or web hosting provider) makes your website's files (e.g., HTML, images, CSS, videos) accessible to users w

To enable website hosting with my S3 bucket, I followed these steps: Create an S3 Bucket, Enable Static Website Hosting, Upload Website Files, Set Bucket Permissions for Public Access, Access the Website Endpoint

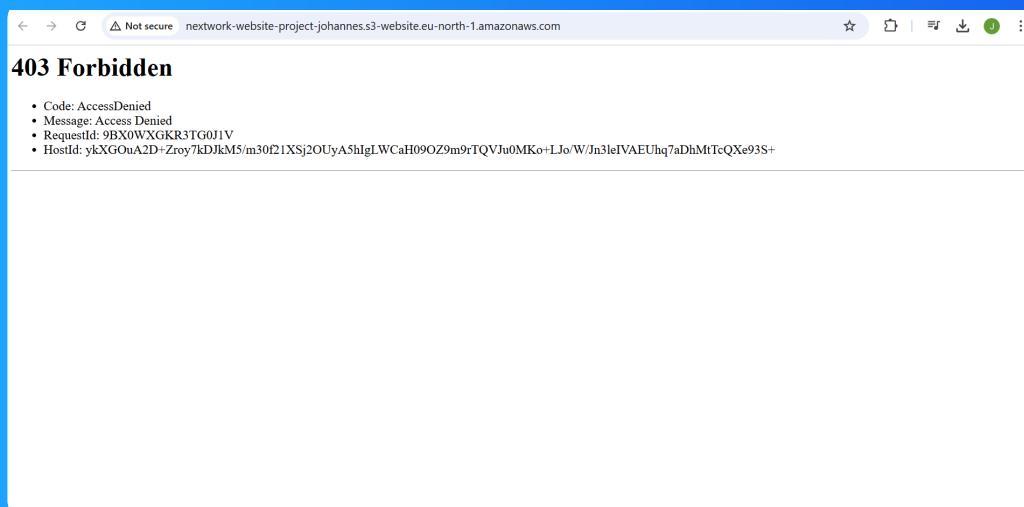
An ACL is a set of rules that decides who can get access to a resource. I enabled the ACL.



# Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is provided by AWS when you configure an Amazon S3 bucket to host a static website. This URL allows you to access the files (e.g., HTML, CSS,) stored in your bucket via the web.

When I first visited the bucket endpoint URL, I saw the error message "403 Forbidden". The reason for this error is that static website is being hosted by S3, but the actual HTML/image files are still private.



JO

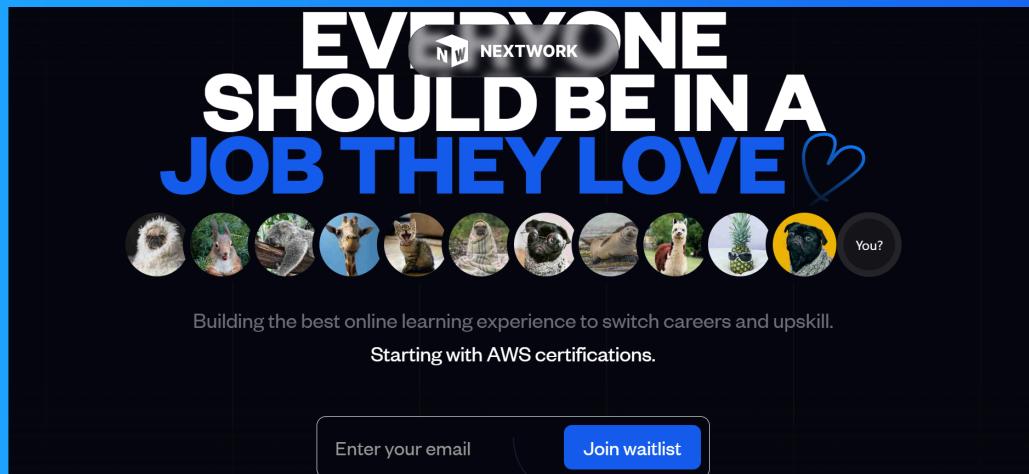
johannes.vanderpuije@g...

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# Success!

To resolve this connection error, I unzipped the folder, and moved both folders outside from the main one.





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