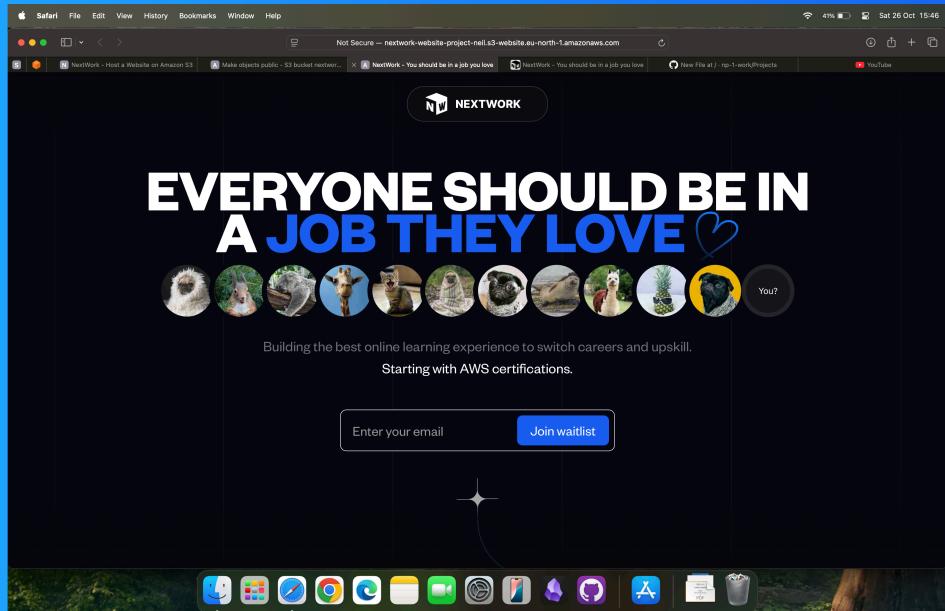


NextWork.org

# Host a Website on Amazon S3



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# Introducing Today's Project!

## What is Amazon S3

Amazon S3 is an object storage service that offers scalability, data availability, security and performance. It is useful because you can store and retrieve any amount of data at any time, from anywhere.

## How I used Amazon S3 in this project

I used Amazon S3 to run a website by storing index.html and images.

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

I didn't expect to actually explore Amazon S3.

## This project took me...

This project took me less than an hour.



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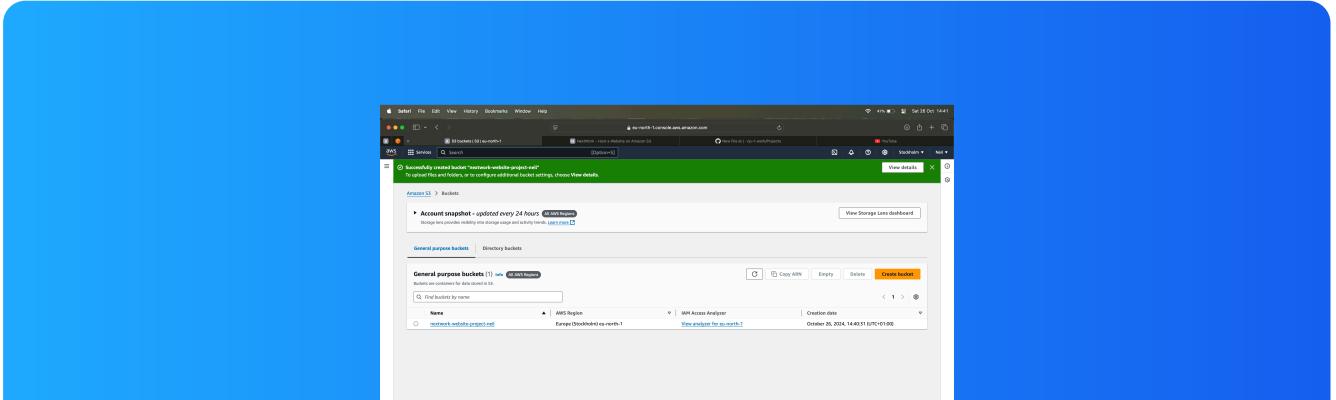
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# How I Set Up an S3 Bucket

Creating an S3 bucket took me a minute to create.

The Region I picked for my S3 bucket was Europe (Stockholm) eu-north-1 because it was the closest to my location.

S3 bucket names are globally unique! This means no one can use the bucket name in the world, unless I delete it.



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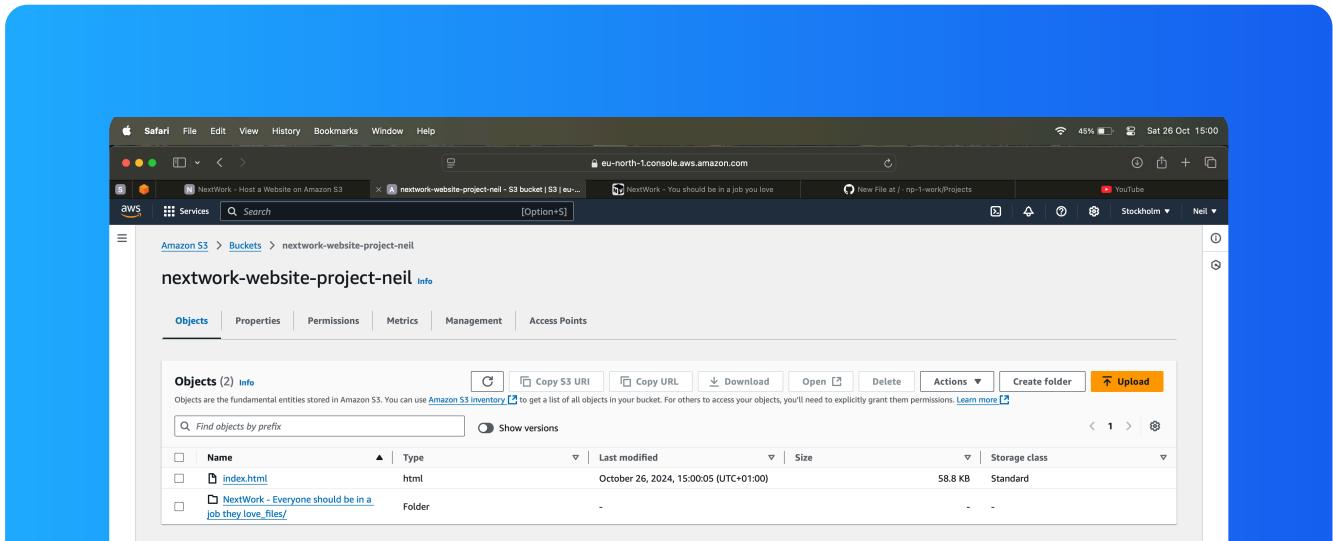
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# Upload Website Files to S3

## index.html and image assets

I uploaded two files to my S3 bucket - they are 'index.html' and 'NextWork'

Both files are necessary for this project as the index.html file is used to create and design web pages and the Network file contains the content materials (images and information) which will be displayed on the web page.



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# Static Website Hosting on S3

Website hosting means making your website public on the internet.

To enable website hosting with my S3 bucket, I clicked on the properties tab and click on edit on static website hosting (which is right at the bottom). Then select enable on static website hosting type, select host a static website on hosting type.

## Access Control Lists (ACL)

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

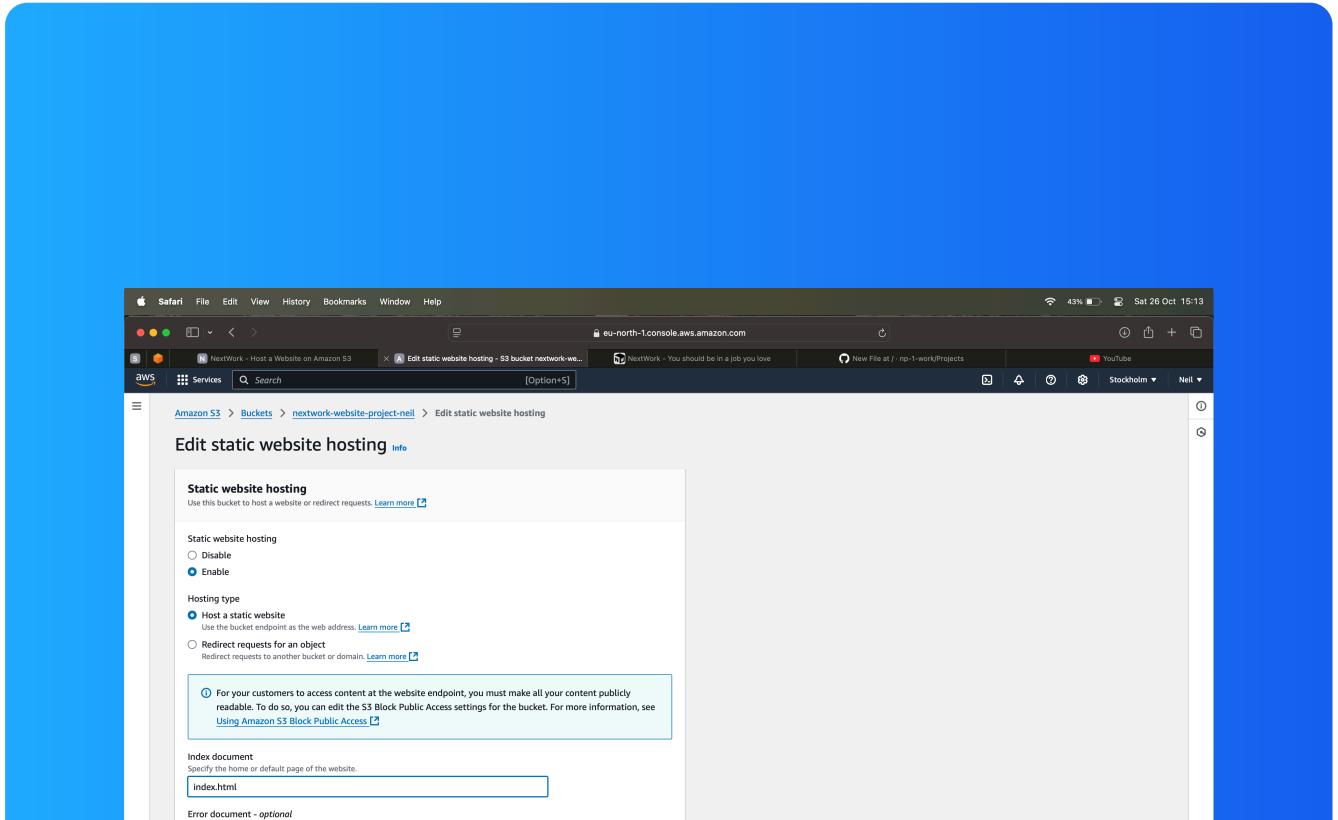


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# Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is a website for the public to access over the internet.



NP

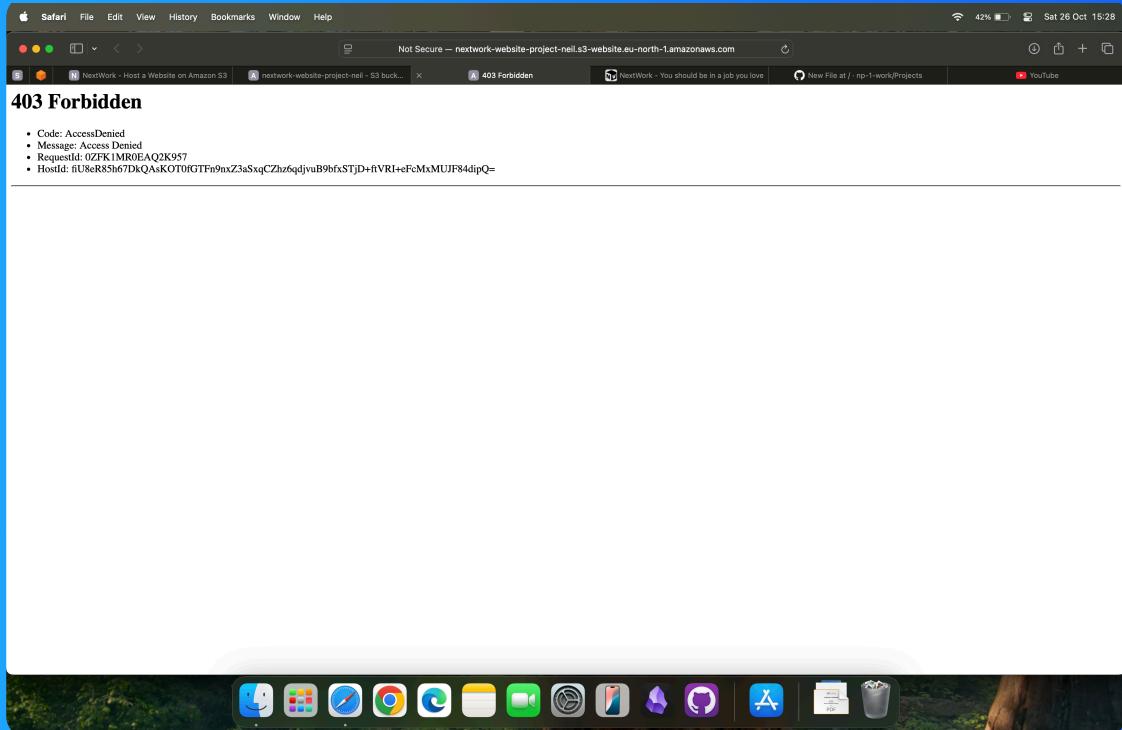
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# An error!

When I first visited the bucket endpoint URL, I saw a blank page with an error '403 Forbidden'

The reason for this error was the HTML and images file I uploaded (Objects) are private by default. It's like having see a bucket on display but not the content. The error will disappear once Objects are set to public. This is why we enabled ACLs.



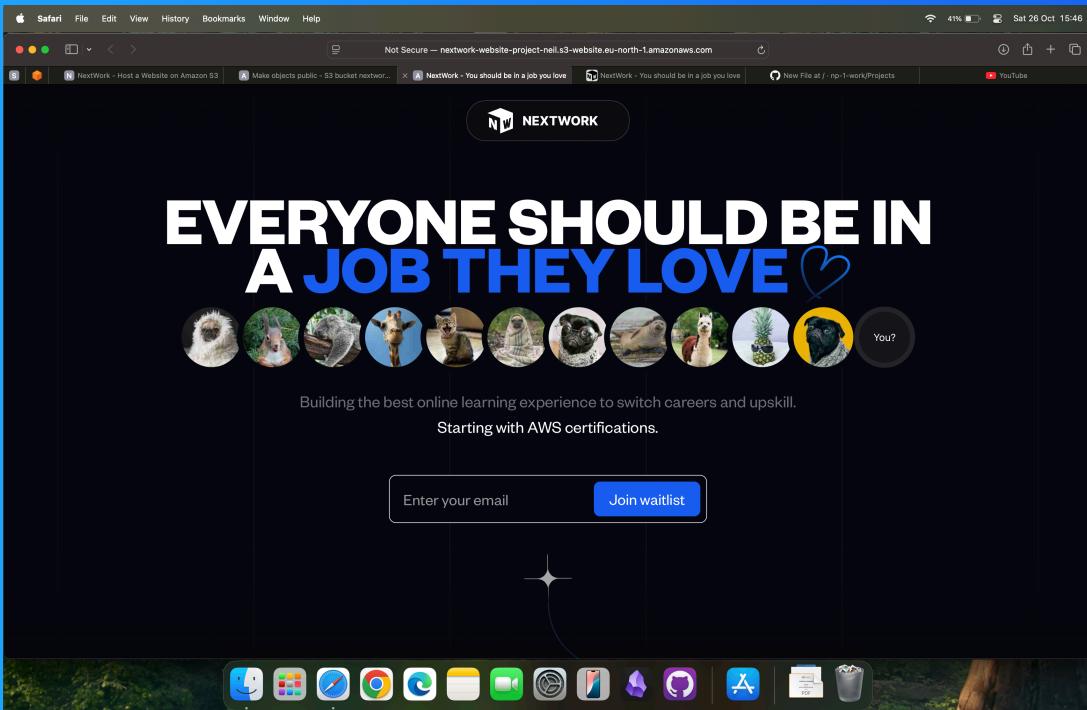
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# Success!

To resolve this connection error, I set the files to public using ACL. This was done by selecting the files, select actions and then make public using ACL.



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# job they love.

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