

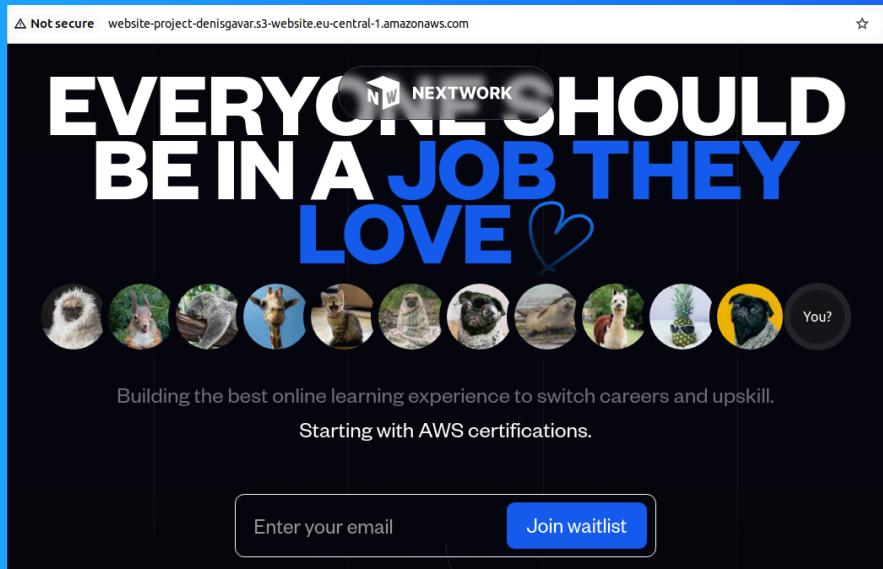


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Host a Website on Amazon S3



tskhelp@gmail.com



Introducing Today's Project!

What is Amazon S3

Amazon S3 (Simple Storage Service) is a scalable, secure cloud storage service for storing and retrieving any amount of data. It's useful for backups, file storage, hosting static websites, and data archiving, with high availability and durability.

How I used Amazon S3 in this project

I used Amazon S3 to host my static website.

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

I didn't expect S3 to be such a useful tool and to be so easy to work with.

This project took me...

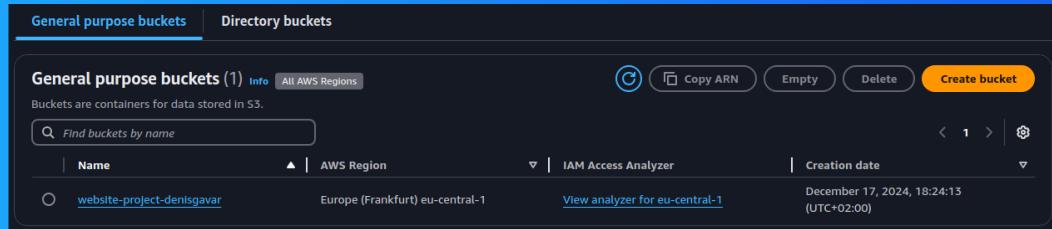
This project took me about an hour.

How I Set Up an S3 Bucket

Creating an S3 bucket took me very little time at all. It's as easy as making your own coffee.

The Region I picked for my S3 bucket was "Europe (Frankfurt) eu-central-1" because it is the closest available default region.

S3 bucket names are globally unique! This means that once a bucket is created, no other AWS account can use this bucket name (unless it is deleted).

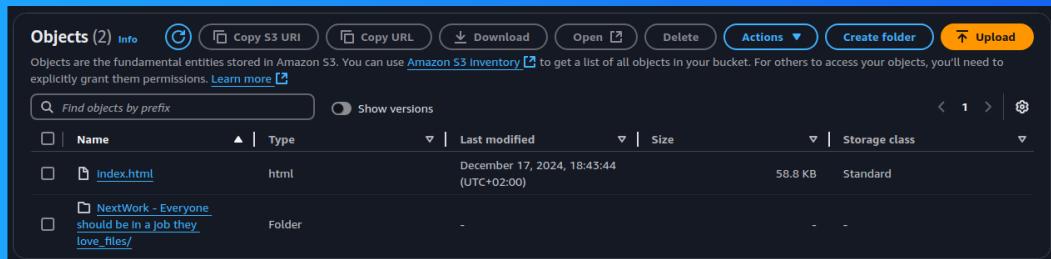


Upload Website Files to S3

index.html and image assets

I uploaded one file and one folder to my S3 bucket - they were an index.html file and a folder with additional files (styles, images, scripts).

Both file and folder are necessary for this project as the index.html file is the entry point to the site and the contents of the folder are used by the index.html file.

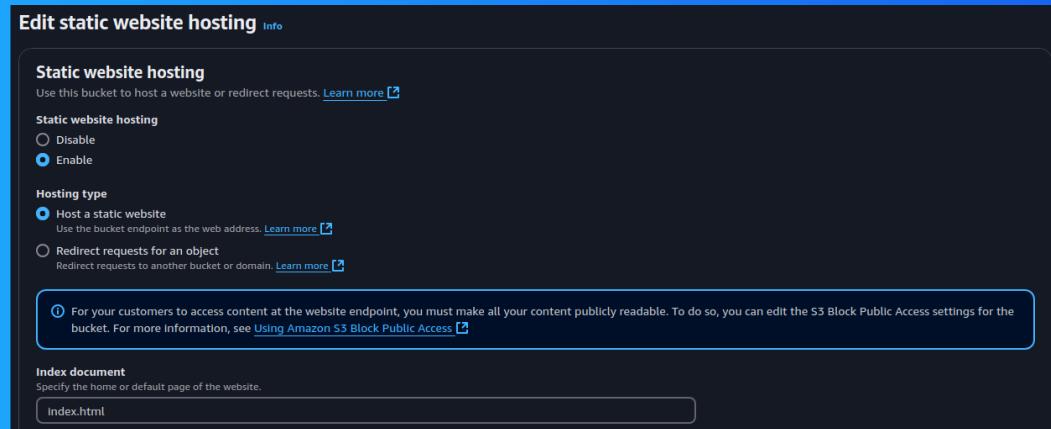


Static Website Hosting on S3

Website hosting is an online service that allows you to publish your website files onto the Internet.

To enable website hosting with my S3 bucket, I edited Static website hosting settings for my S3 bucket. Specifically, I enabled Static web hosting.

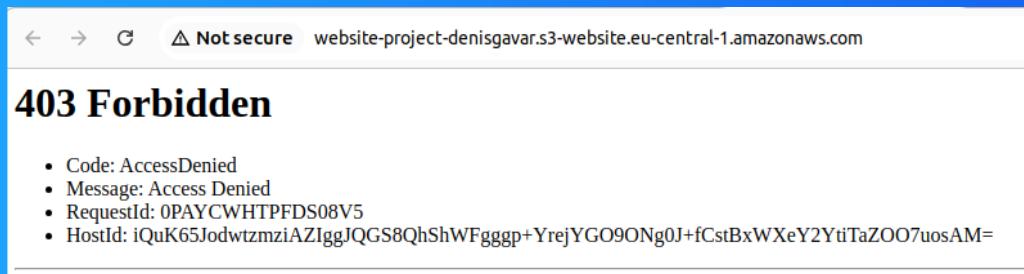
An ACL is a set of rules that decides who can get access to a resource. In this project I enabled ACLs because I want to manage access for each object in my bucket individually. And ACLs allow you to do that.



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 an error (403 Forbidden). The reason for this error was that my static website is hosted on S3, but the actual HTML/image files I uploaded remain private.



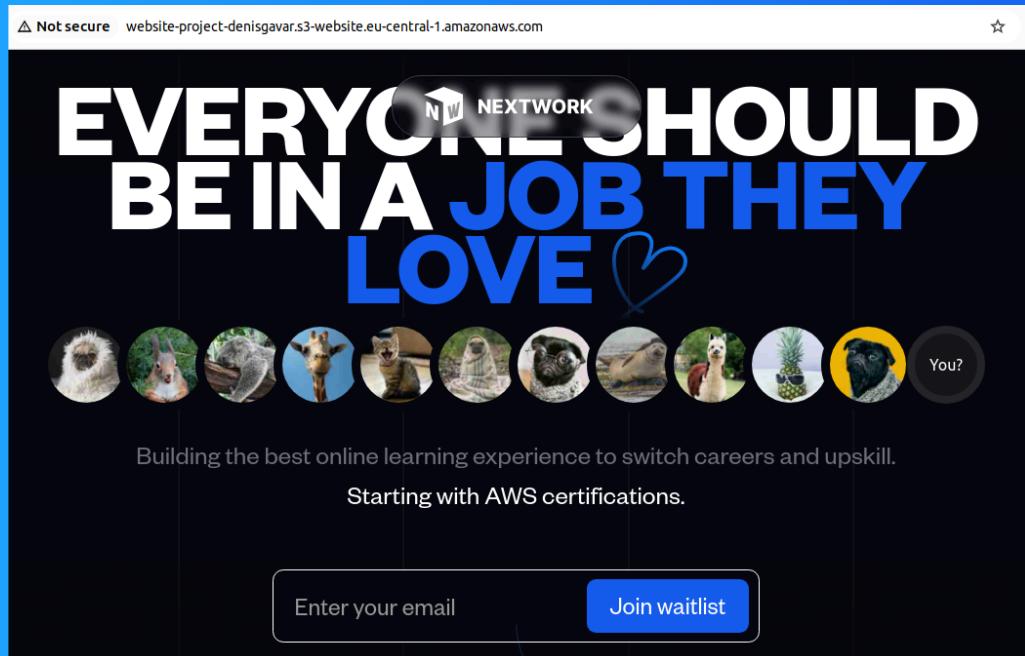
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Success!

To resolve this connection error, I made the files in the S3 bucket public using ACL.





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