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# Host a Website on Amazon S3



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# Introducing Today's Project!

## What is Amazon S3

Amazon S3 is useful because it lets us store data and also host static websites easily

## How I used Amazon S3 in this project

I used Amazon S3 in today's project by storing my HTML files and CSS folder, which allowed me to host my static website, "Cheruuus Website."

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

One thing I didn't expect in this project was realizing how crucial it is to unzip my files before uploading them and making sure the file names are correct, like using "index.html" instead of "index(2)." This attention to detail was really important

## This project took me...

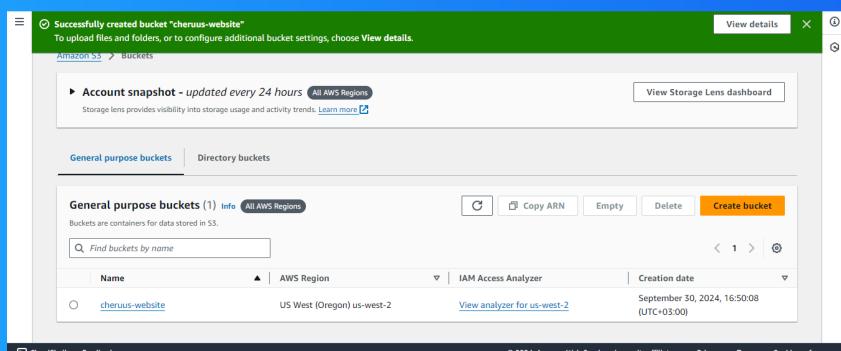
30- minutes

# How I Set Up an S3 Bucket

Creating an S3 bucket took me just a few seconds

The Region I picked for my S3 bucket was Oregon as it offers good availability and low latency for testing.

This means that no two buckets can have the same name across all AWS accounts, this ensures that each bucket can be identified and accessed without confusion.

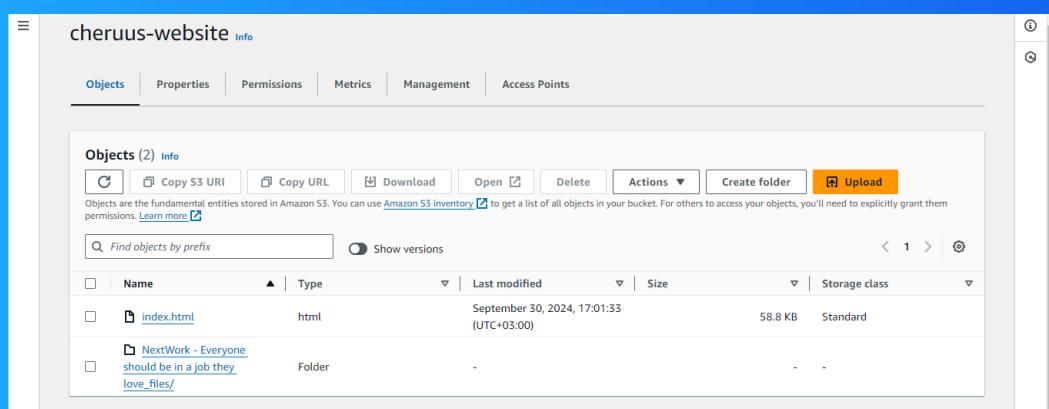


# Upload Website Files to S3

## index.html and image assets

I uploaded two files to my S3 bucket - they were index.html and NextWork - Everyone should be in a job they love\_files/ folder

Both files are necessary for this project as they work together to create a simple web page. The index.html file contains the HTML code that defines the structure and content of the page, while the folder contains images, stylesheets



# Static Website Hosting on S3

Website hosting means providing the necessary infrastructure and services to store and serve website files, allowing users to access the site over the internet.

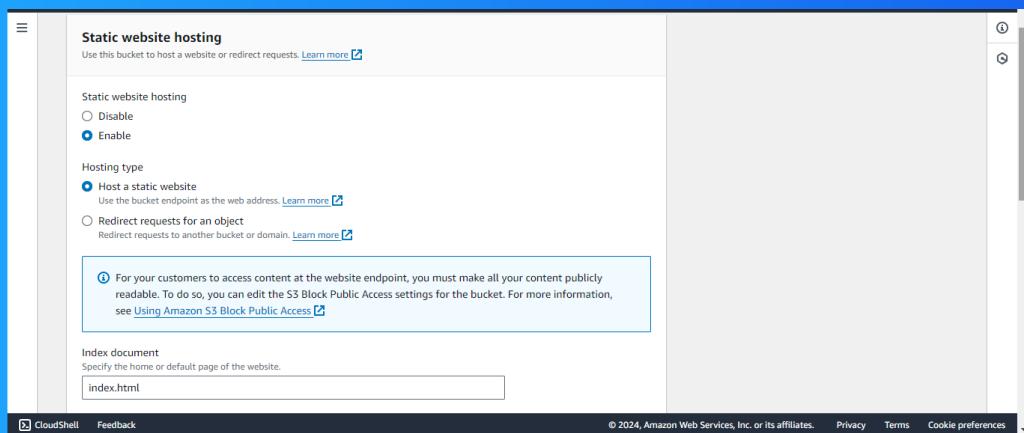
To enable website hosting with my S3 bucket, I configured the bucket properties to enable static website hosting

## Access Control Lists (ACL)

An ACL is an Access Control List that defines permissions for accessing objects in an S3 bucket

# Bucket Endpoints

Once static website hosting is enabled, S3 produces a bucket website endpoint URL, which is the unique web address that users can use to access the hosted website.



# An error!

When I first visited the bucket endpoint URL, I saw a 403 Forbidden error message. This means that I am not authorized to access the contents of the bucket.

The reason for this error was that I didn't have permission to access the S3 bucket's contents. To see the files, I need to make the files public using ACL.

## 403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: E9EYTVDD9A18C56PM
- HostId: 1kZaYCVzeR8ZmgYZ-sXJsa0yQPz2IGLtXPt8cqZw14B1KskgtAiKz3Nogis6f4mEDYOre8dfs=

RV

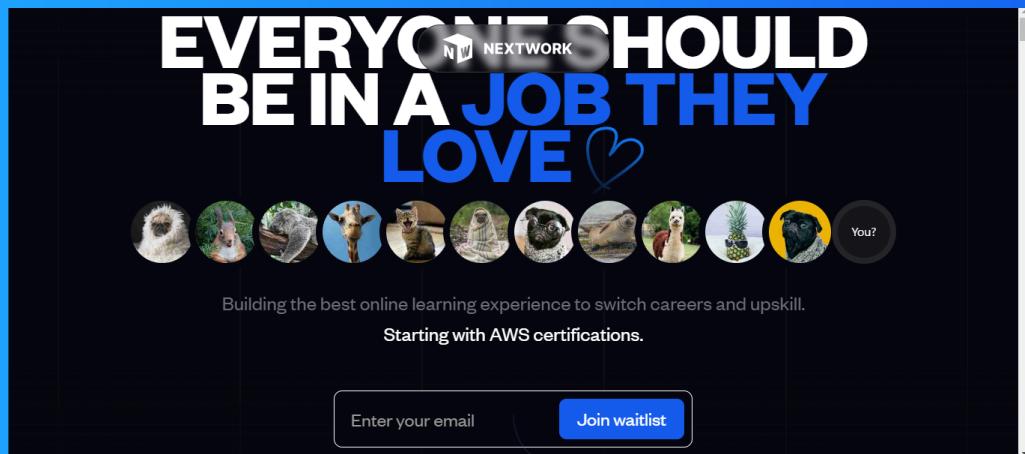
rvtihostels40@gmail.com

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# Success!

To resolve this connection error, I noticed that the folder I uploaded was the unzipped one, so I had to delete that folder, then reupload the zipped folder and make it public.





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