

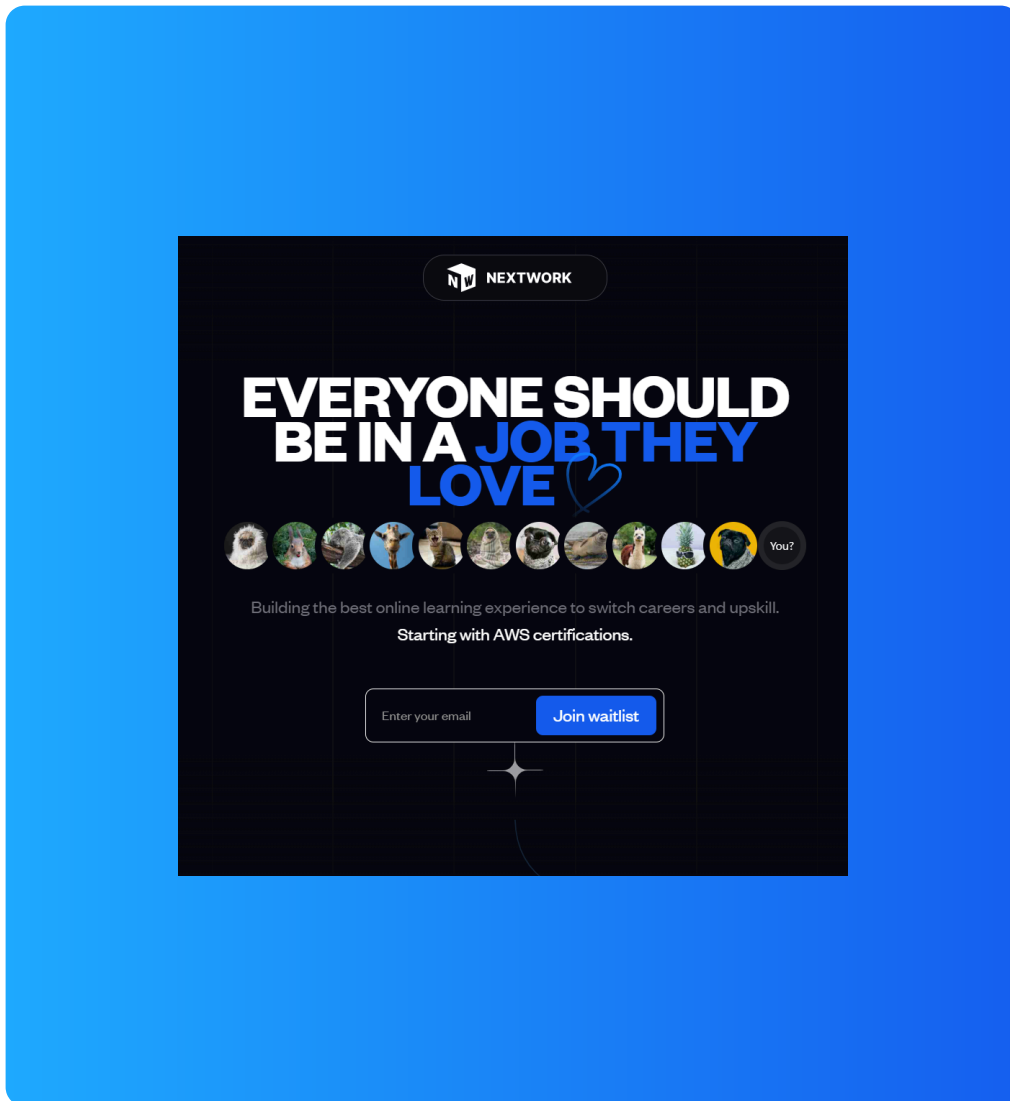


[NextWork.org](https://NextWork.org)

# Host a Website on Amazon S3



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# Introducing Today's Project!

## Today's project is...

The AWS services that I used today was amazon s3 and AWS static website hosting. I used both services to deploy a static website in the cloud on AWS.

## Static website hosting means...

Static web pages are made of `HTML` fixed code, `CSS` and unless the site developer makes changes, nothing will change on the page.

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

The settings I used to make my website available to the public is ACL enable, turned off all blocking objects to the bucket, and finally made all the resources in the bucket public.

## One thing I didn't expect...

The one thing I didn't expect is how straight forward this project was going to be.

## This project took me...

It took me about an hour to complete with creating documentation of the steps I took.



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# Create an S3 Bucket

## Creating an S3 Bucket took me...

It took about less than 30 seconds to create S3 bucket.

## My Region configurations

I picked US West (N. California) us-west-1 because that is the closest region to me.

## My Access Control List configurations

Access Control List is a set of rules that decides who can get access to a resource. I went with the option to have it enabled.

## S3 bucket naming is important!

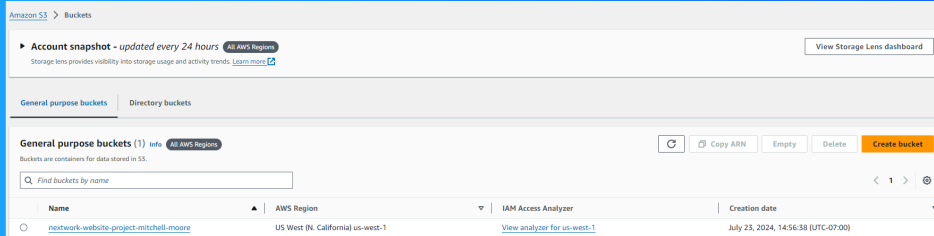
S3 bucket names have to be globally unique because the name can be shared with multiple accounts.



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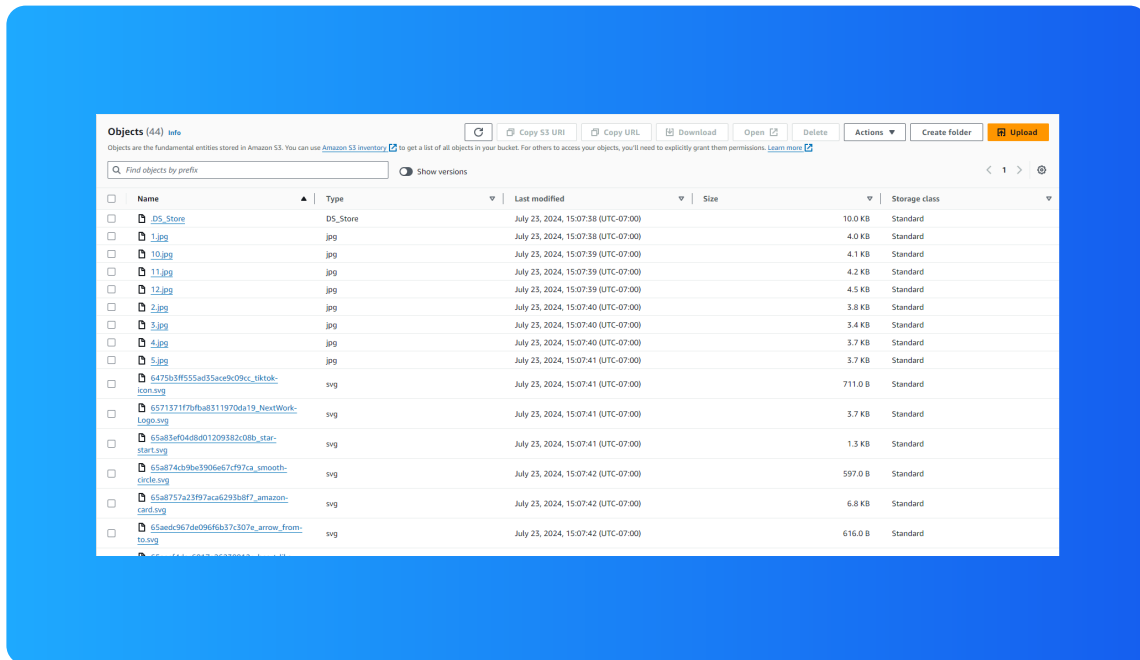
# Upload Website Files to S3

## Next, I uploaded the following files...

I uploaded index.html and the folder name NextWork - Everyone should be in a job they love\_files.

## How these files work...

Both file and folder are both necessary to prepare them to be hosted on aws.



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# Static Website Hosting on S3

## Static website hosting means...

Website hosting is what makes your website public on the internet. Even if you perfect an HTML file, no one else can see it when it's stored as a local file on

your computer! Website hosting = storing your HTML file (and the other files for your web.

## How I enabled hosting...

I located my bucket in the bucket list. Clicked on properties and then scrolled down to the bottom where it gives you an option to enable static web hosting.



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# Bucket Endpoints

## Bucket Endpoint URLs

That endpoint URL takes you to the index.html where you will find your website.

### Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#) 


Static website hosting

Enabled

Hosting type

Bucket hosting

Bucket website endpoint

When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#) 

 <http://nextwork-website-project-mitchell-moore.s3-website-us-west-1.amazonaws.com> 



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## An error!

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

I saw an error message stating access denied. Which was strange because the bucket is supposed to be public.

**Why did I get an error?**

The reason for the error you saw is because the objects in the bucket weren't made public.

## 403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: J988N0Y0ZKAVZNGM
- HostId: UjzjjMYyJGu8epECwZkDJ0wzouytNdDCXcQn5DryrJRI6UU7uC5lsM+UW6xZ5UxQFsDk5QgP8A=



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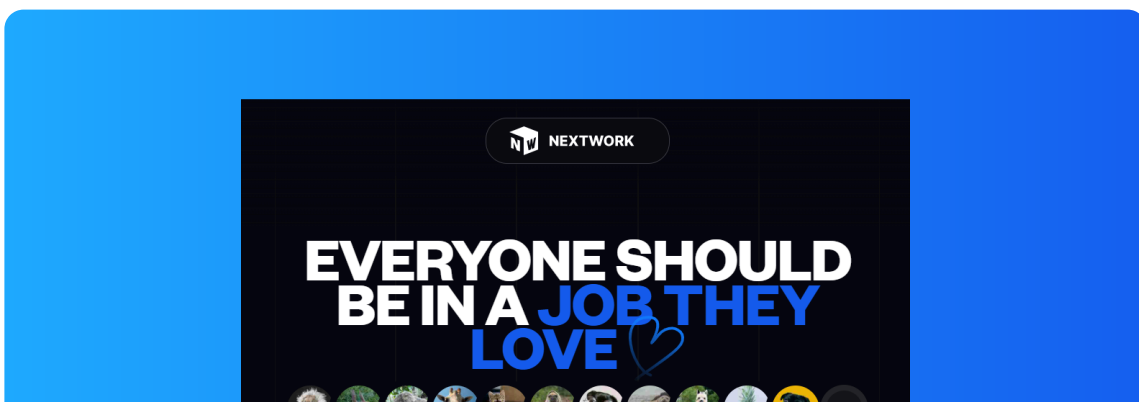
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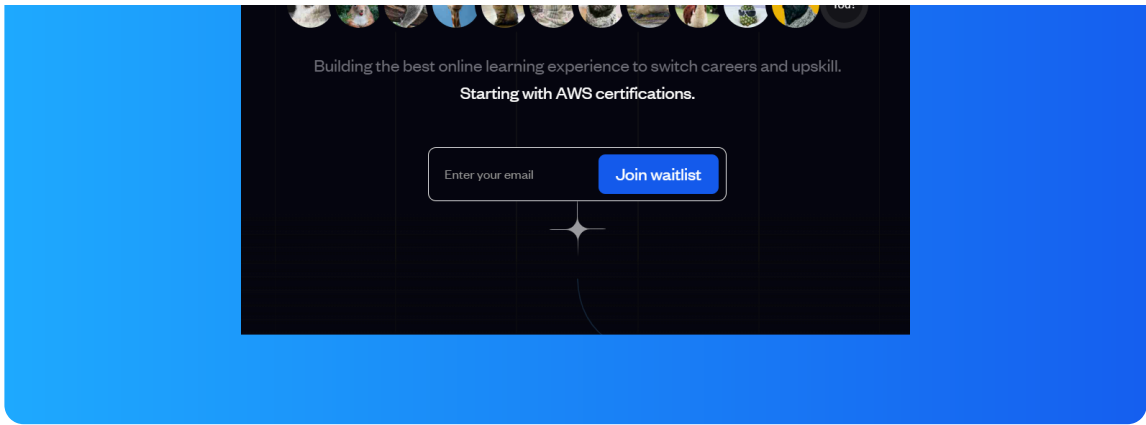
## Success

### How I resolved my error...

To resolve the error I made all of the objects in the bucket public. After doing this I was able to see my website.







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