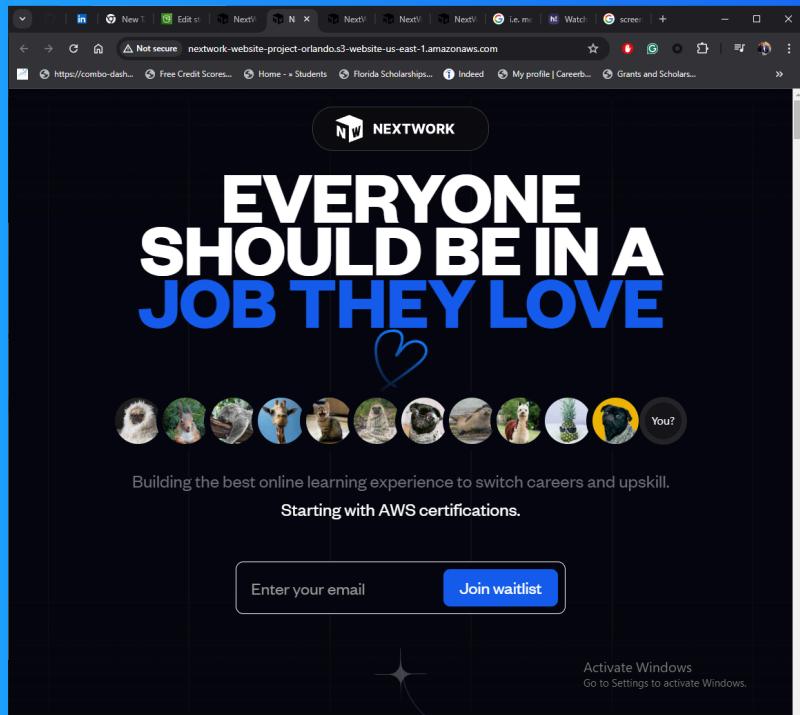




Host a Website on Amazon S3



Orlando Watson





Orlando Watson
NextWork Student

NextWork.org

Introducing Today's Project!

Today's project is...

The AWS service was creating a S3 bucket. Utilizing the ACLs to control access to the bucket and enabling the bucket for public access. Uploaded website content to bucket using html and zip files. Lastly configuring a static website on Amazon S3.

Static website hosting means...

Static website hosting is a simple and affordable way to host a website that's made up of pre-built, fixed code stored on a web server.

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

In order for the website to become available to the public. The box that was check blocking the access had to be cleared and then acknowledging the changes.

One thing I didn't expect...

I did not expect it to be so thorough and fun.

This project took me...

The project took me 45 min.



Orlando Watson
NextWork Student

NextWork.org

Create an S3 Bucket

Creating an S3 Bucket took me...

The S3 bucket took about 2 minutes.

My Region configurations

The regions that was chosen was us-east-1

My Access Control List configurations

A set of rules that decide who can get access to a resource. The ACL that was chosen was enabled.

S3 bucket naming is important!

S3 bucket names must be unique across all AWS accounts and regions within a partition because S3 buckets can be accessed publicly as URLs. This is similar to how each domain name in DNS must be unique. Once a bucket is created, no other AWS account i



Orlando Watson
NextWork Student

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

► **Account snapshot - updated every 24 hours** [All AWS Regions](#)

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

[View Storage Lens dashboard](#)

[General purpose buckets](#) [Directory buckets](#)

General purpose buckets (1) [Info](#) [All AWS Regions](#)

Buckets are containers for data stored in S3.

Name	AWS Region	IAM Access Analyzer	Creation date
nextwork-website-project-orlando	US East (N. Virginia) us-east-1	View analyzer for us-east-1	July 22, 2024, 20:36:13 (UTC-04:00)

[Create bucket](#)

Find buckets by name

< 1 > [@](#)



Orlando Watson
NextWork Student

NextWork.org

Upload Website Files to S3

Next, I uploaded the following files...

index.html NextWork - Everyone...love_files.zip

How these files work...

The index.html files is where the website with layout of where text, images and videos would go. The zip file included all the necessary data to fullfil the blueprint.

nextwork-website-project-orlando [Info](#)

Objects (2) [Info](#)

[C](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions ▾](#) [Create folder](#)

[Upload](#)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix [Show versions](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	index.html	html	July 22, 2024, 20:53:51 (UTC-04:00)	58.8 KB	Standard
<input type="checkbox"/>	NextWork - Everyone should be in a job they love_files/	Folder	-	-	-



Orlando Watson
NextWork Student

NextWork.org

Static Website Hosting on S3

Static website hosting means...

Website hosting is what makes your website public on the internet.

How I enabled hosting...

Select bucket. Choose properties tab. Scroll all the way to the bottom. Under static website hosting. Choose Edit. Under Static web hosting: Choose Enable. Under Hosting Type: Choose Host a status website.In the Index document:Enter Index.html. Save



Orlando Watson
NextWork Student

NextWork.org

Bucket Endpoints

Bucket Endpoint URLs

When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket.

Edit static website hosting [Info](#)

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

Disable
 Enable

Hosting type

Host a static website
Use the bucket endpoint as the web address. [Learn more](#)

Redirect requests for an object
Redirect requests to another bucket or domain. [Learn more](#)

Index document
Specify the home or default page of the website.

Error document - optional
This is returned when an error occurs.

Redirection rules - optional
Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)

A circular portrait of a man with dark hair, wearing a blue suit jacket over a white shirt. He is sitting in front of a dark background.

Orlando Watson
NextWork Student

NextWork.org

An error!

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

Access Denied

Why did I get an error?

The documents in buckets were not activing marked as public for the public to see.

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: FXD3X71DKDQ4QCX1
- HostId: E25ssIzv2OtUvxx6mKXZliXMIsvAsZCE13y7hB16GMUL5HPs/gEDTLmwuTMUJ/kCKfijyTn5UA+4=



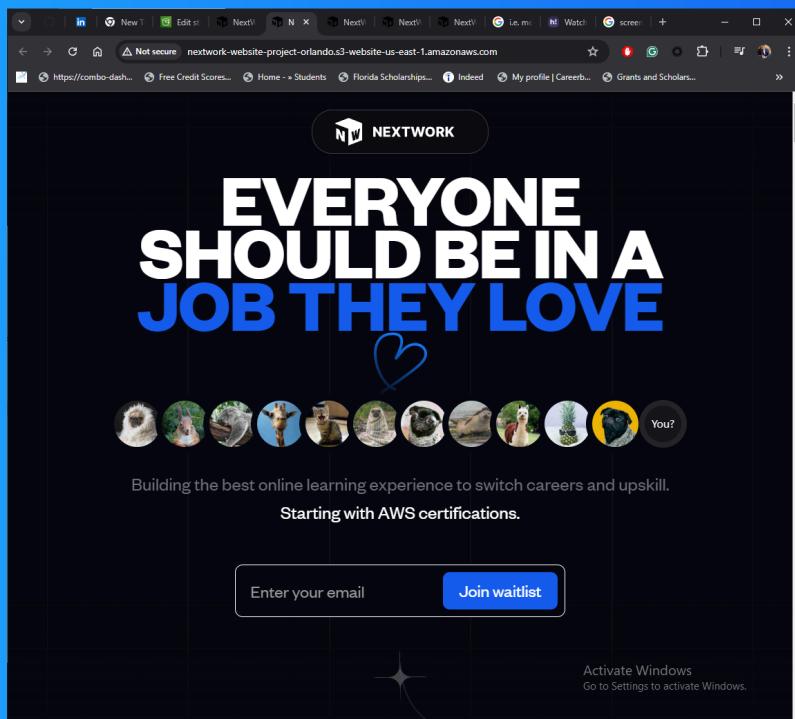
Orlando Watson
NextWork Student

NextWork.org

Success

How I resolved my error...

To resolve this issue, select the objects tab and select all the items in the bucket. Select the action button and make public using ACL





NextWork.org

**Everyone
should be in a
job they love.**

Check out nextwork.org for
more projects

