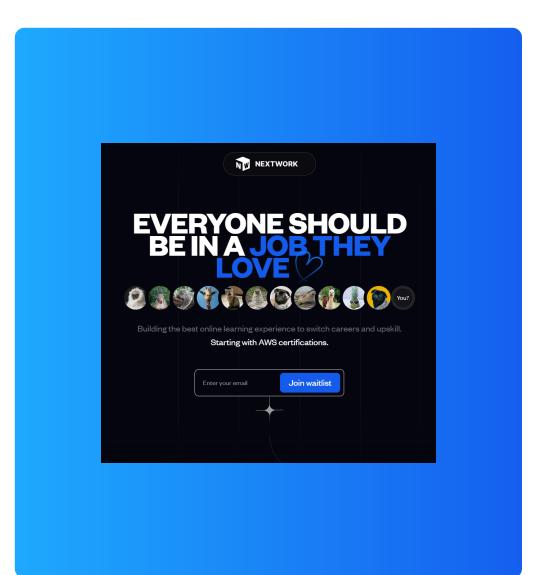


Host a Website on Amazon S3

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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 \hat{a} fixed code, \hat{a} 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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Amazon 53 > Buckets			
Account snapshot - updated every 24 hours (Storage lens provides vability into storage usage and activity trend General purpose buckets Directory buckets			View Storage Lens datab
General purpose buckets (1) info (Al AVIS Regions) Buckets are containers for data stored in 53.			C Copy ARN Empty Delete Create bu
Name O nextwork-website-project-mitchell-moore	AWS Region US West (N. California) us-west-1	▼ IAM Access Analyzer View analyzer for us-west-1	Creation date July 23, 2024, 14:56:38 (UTC-07:00)



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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.

Object	ects (44) Info ts are the fundamental entities stored in Amazon S3. You can us	e Amazon S3 inventory	C Copy S3 URI C Copy URL	Download Open C ed to explicitly grant them permissions. Learn	Delete Action	Create folder 🔐 Upload
Q	Find objects by prefix		Show versions			< 1 > ©
	Name	Туре	▼ Last modified	v Size	7	Storage class 🛛 🔻
	DS_Store	DS_Store	July 23, 2024, 15:07:38 (UTC-07:00)		10.0 KB	Standard
	1.jpg	jpg	July 23, 2024, 15:07:38 (UTC-07:00)		4.0 KB	Standard
	10.jpg	jpg	July 23, 2024, 15:07:39 (UTC-07:00)		4.1 KB	Standard
	11.jpg	jpg	July 23, 2024, 15:07:39 (UTC-07:00)		4.2 KB	Standard
	12.jpg	jpg	July 23, 2024, 15:07:39 (UTC-07:00)		4.5 KB	Standard
	D 2.jpg	jpg	July 23, 2024, 15:07:40 (UTC-07:00)		3.8 KB	Standard
	C 3.jpg	jpg	July 23, 2024, 15:07:40 (UTC-07:00)		3.4 KB	Standard
	C 4.jpg	jpg	July 23, 2024, 15:07:40 (UTC-07:00)		3.7 KB	Standard
	<u>5.jpg</u> <u>6475b3ff555ad35ace9c09cc_tiktok-</u> icon.svg	jpg svg	July 23, 2024, 15:07:41 (UTC-07:00) July 23, 2024, 15:07:41 (UTC-07:00)		3.7 KB 711.0 B	Standard
	6571371f7bfba8311970da19_NextWork- Logo.svg	svg	July 23, 2024, 15:07:41 (UTC-07:00)		3.7 KB	Standard
0	65a83ef04d8d01209382c08b_star- start.svg	svg	July 23, 2024, 15:07:41 (UTC-07:00)		1.3 KB	Standard
	65a874cb9be3906e67cf97ca_smooth- circle.svg	svg	July 23, 2024, 15:07:42 (UTC-07:00)		597.0 B	Standard
	65a8757a23f97aca6293b8f7_amazon- card.svg	svg	July 23, 2024, 15:07:42 (UTC-07:00)		6.8 KB	Standard
	65aedc967de096f6b37c307e_arrow_from- to.svg	svg	July 23, 2024, 15:07:42 (UTC-07:00)		616.0 B	Standard



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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.



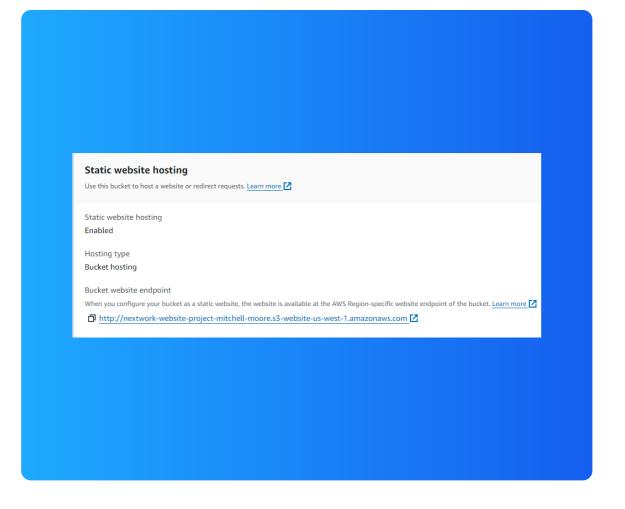
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Bucket Endpoints

Bucket Endpoint URLs

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





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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: UjzjjJMYyJGu8epECwZkDJ0wzouytNdDCXcQn5DryrJRI6UU7uC5lsM+UW6xZ5UxQFsDk5QgP8A=



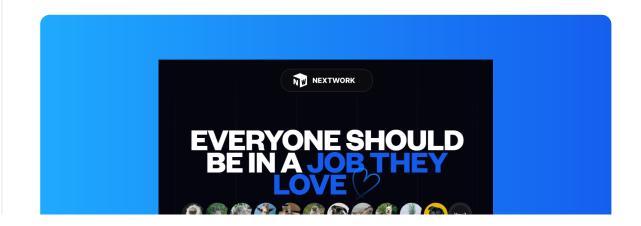
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How I resolved my error...

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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