



Host a Website on Amazon S3



Idah Makena



Idah Makena
NextWork Student

NextWork.org

Introducing Today's Project!

What is Amazon S3

Amazon S3 is a bucket used to store resources.

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 it to be so simple as it was.

This project took me...

It took me 30 minutes to complete the project.



Idah Makena
NextWork Student

NextWork.org

How I Set Up an S3 Bucket

Creating an S3 bucket took me approximately 5 minutes

The Region I picked for my S3 bucket was Oregon because its nearest to my location.

S3 bucket names are globally unique! This means there is no any other similar S3 bucket in the world. It has to be unique.

The screenshot shows the AWS S3 console interface. At the top, a green banner displays the message "Successfully created bucket 'idah-website'". Below the banner, there is an "Account snapshot" section with a link to "View details". The main area is titled "General purpose buckets" and shows a single bucket named "idah-website". The bucket details are as follows:

Name	AWS Region	IAM Access Analyzer	Creation date
idah-website	US West (Oregon) us-west-2	View analyzer for us-west-2	September 24, 2024, 14:51:43 (UTC+03:00)



Idah Makena
NextWork Student

NextWork.org

Upload Website Files to S3

index.html and image assets

I successfully uploaded two files to my S3 bucket

Both files are necessary for this project as they contain resources and HTML files.

The screenshot shows the AWS S3 console interface for managing objects in a bucket. The top navigation bar includes tabs for Objects, Properties, Permissions, Metrics, Management, and Access Points. The 'Objects' tab is selected. Below the tabs is a toolbar with actions: Copy S3 URI, Copy URL, Download, Open, Delete, Actions (with a dropdown arrow), Create folder, and Upload. A search bar labeled 'Find objects by prefix' and a 'Show versions' button are also present. The main area displays a table of objects:

Name	Type	Last modified	Size	Storage class
index (2).html	html	September 24, 2024, 15:17:42 (UTC+03:00)	58.8 KB	Standard
NextWork - Everyone should be in a job they love_files/	Folder	-	-	-



Idah Makena
NextWork Student

NextWork.org

Static Website Hosting on S3

Website hosting means my website is available online.

To enable website hosting with my S3 bucket, I enabled Static website hosting.

Access Control Lists (ACL)

An ACL is enabled

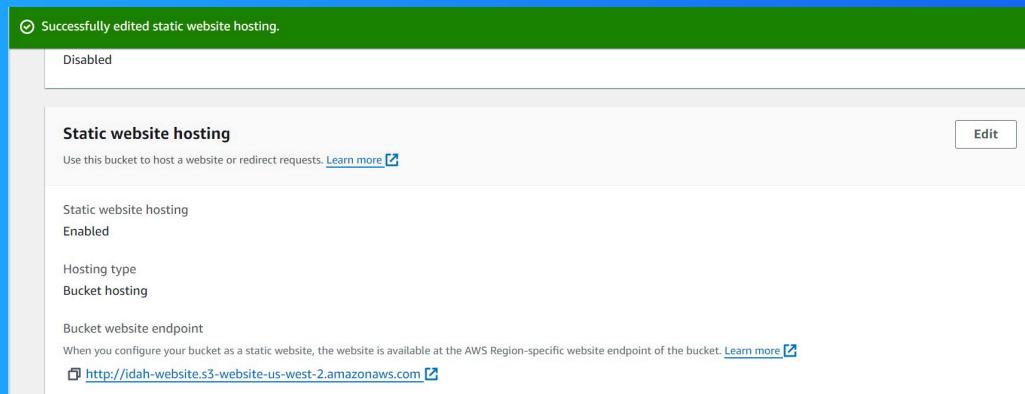


Idah Makena
NextWork Student

NextWork.org

Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is
<http://idah-website.s3-website-us-west-2.amazonaws.com>





Idah Makena
NextWork Student

NextWork.org

An error!

When I first visited the bucket endpoint URL, I saw an error 404 page.

The reason for this error was because the page is private by default. This default setting helps keep your account's data secure.

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: 9RDDX5HKJB479XHQ
- HostId: tYYBVt/yJBUGVsc42CG0yt1cSxuEH0Get8Y//zL82bxdrIt/01ajeCoTvBLXmFrQM0OJy8v05qE=

An Error Occurred While Attempting to Retrieve a Custom Error Document

- Code: AccessDenied
- Message: Access Denied

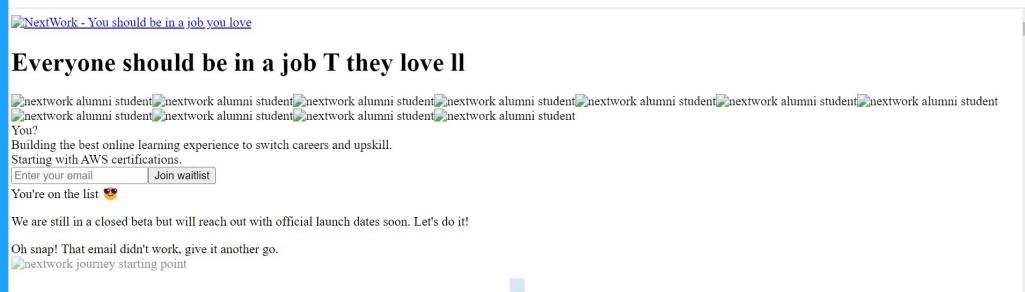


Idah Makena
NextWork Student

NextWork.org

Success!

To resolve this connection error, I made it public by using Public ACL





NextWork.org

Everyone should be in a job they love.

Check out nextwork.org for
more projects

