



# Host a Website on Amazon S3

Irlan Dos Santos

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# Introducing Today's Project!

## What is Amazon S3

It is useful for host a Static website, ever though its first objective is to storage objects and its metadata.

## How I used Amazon S3 in this project

for host a static website.

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

i already knew all the steps, so nothing surprised me.

## This project took me...

20 minutes.



# How I Set Up an S3 Bucket

1 minute

us-east-1

unique name

The screenshot shows the AWS S3 console interface. At the top, there are two tabs: "General purpose buckets" (which is selected) and "Directory buckets". Below the tabs, a header bar includes "General purpose buckets (1)" with an "Info" link and "All AWS Regions" dropdown, followed by "Copy ARN", "Empty", "Delete", and a yellow "Create bucket" button. A search bar labeled "Find buckets by name" is present. The main content area displays a table with one row of data:

Name	AWS Region	IAM Access Analyzer	Creation date
<a href="#">nextwork-website-project-irlan</a>	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	December 18, 2024, 16:20:56 (UTC-05:00)



# Upload Website Files to S3

## index.html and image assets

I uploaded two files to my S3 bucket - they were a index.html and a zip file with images

Both files are necessary for this project as they are fundamental pieces for the static website

The screenshot shows the AWS S3 console interface for the bucket 'nextwork-website-project-irlan'. The 'Objects' tab is selected, displaying two items:

Name	Type	Last modified	Size	Storage class
index.html	html	December 18, 2024, 16:24:21 (UTC-05:00)	58.8 KB	Standard
NextWork - Everyone should be in a job they love_files/	Folder	-	-	-

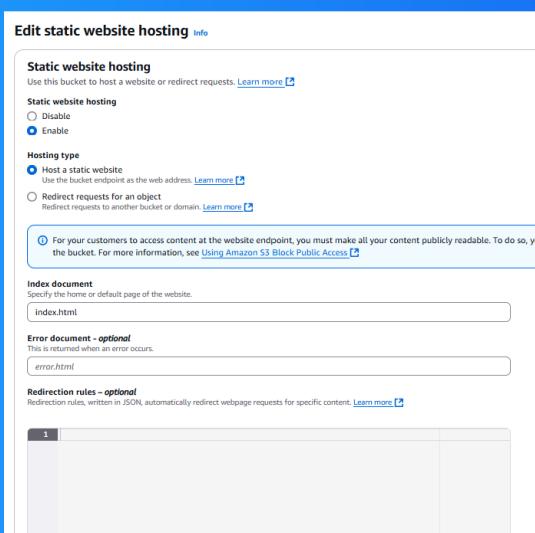
At the top of the page, there are several navigation and action buttons: Objects (2), Info, Copy S3 URI, Copy URL, Download, Open, Delete, Actions, Create folder, and Upload.

# Static Website Hosting on S3

Website hosting means refers to the service that allows individuals or organizations to publish a website or web application on the internet.

To enable website hosting with my S3 bucket, I scrolled all way down on properties page, clicked edit, and on the next window, checked "enable", and added "index.html" in the field "index document"

ACL determines who can access objects on the bucket.





# Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is  
`http://nextwork-website-project-irlan.s3-website-us-east-1.amazonaws.com/`

When I first visited the bucket endpoint URL, I saw... The reason for this error was 403 Forbidden, Access Denied

## 403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: Q46GA50FDBV5DD7Y
- HostId: UUtMjGZzaXYYDtqqWdZEC6mQAvrcAdBgN3CYtEzJsUbUPc2ihdhOlQmAnN1qZnzPcVJTW5/urA0=

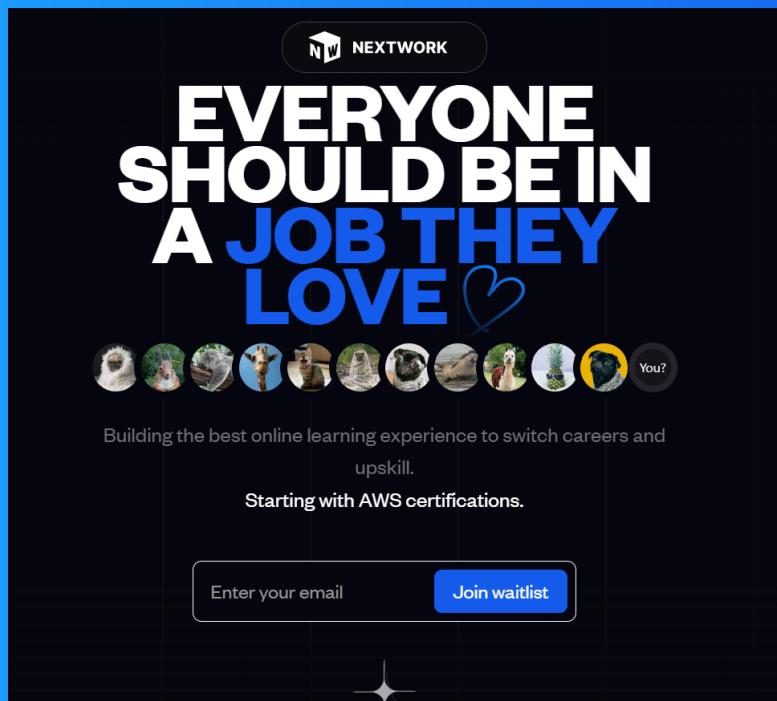
I

Irlan Dos Santos  
NextWork Student

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# Success!

To resolve this connection error, I selected all objects in the bucket went to actions/make public using ACL. confirmed in the next window, and refreshed the static website page.





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