

A PROJECT SUBMISSION FOR THE UDACITY CLOUD DEVOPS NANODEGREE

- TITLE: DEPLOY STATIC WEBSITE ON AWS (PROCESS SCREENSHOTS)

- BY EZE IFEANYI

An Empty S3 Bucket named ifeanyiezepoject1 is created

The screenshot shows the AWS S3 console interface. The left sidebar contains navigation links for Amazon S3, Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, Access analyzer for S3, Storage Lens, Dashboards, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area displays the 'Buckets (1)' section with a table listing the bucket 'ifeanyiezepoject1'. The bucket is located in the 'US East (N. Virginia) us-east-1' region and is publicly accessible. The creation date is 'May 24, 2022, 15:57:28 (UTC+01:00)'. There are two blue informational banners at the top of the main content area. The top banner offers feedback on the S3 console experience. The second banner provides information on S3 Storage Classes. The bottom of the console shows a footer with links for Feedback, language selection, and settings, along with copyright information and links for Privacy, Terms, and Cookie preferences.

Amazon S3 console URL: s3.console.aws.amazon.com/s3/buckets?region=us-east-1

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Global | voclabs/user1971708=2294b0a6-d194-11e9-8f52-d755b2bbdd31 @ 07...

Amazon S3

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

Access analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

AWS Marketplace for S3

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose **Provide feedback**.

Learn how to effectively use the S3 Storage Classes.

View Storage Lens dashboard

Account snapshot

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

Buckets (1) [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

	Name	AWS Region	Access	Creation date
<input type="radio"/>	ifeanyiezepoject1	US East (N. Virginia) us-east-1	Public	May 24, 2022, 15:57:28 (UTC+01:00)

- REQUIRED OBJECTS (FILES AND FOLDERS) ARE UPLOADED TO THE S3 BUCKET CREATED

aws

Services

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Provide feedback

Amazon S3 > Buckets > ifeanyiezproject1

ifeanyiezproject1 [Info](#)

Publicly accessible

Objects | Properties | Permissions | Metrics | Management | Access Points

Objects (6)

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](#)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Find objects by prefix

< 1 >

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	_MACOSX/	Folder	-	-	-
<input type="checkbox"/>	css/	Folder	-	-	-
<input type="checkbox"/>	img/	Folder	-	-	-
<input type="checkbox"/>	index.html	html	May 25, 2022, 10:06:38 (UTC+01:00)	6.1 KB	Standard
<input type="checkbox"/>	README.txt	txt	May 25, 2022, 10:06:58 (UTC+01:00)	382.0 B	Standard
<input type="checkbox"/>	vendor/	Folder	-	-	-

https://s3.console.aws.amazon.com/s3/#

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BUCKET POLICY IS CHANGED TO SECURE BUCKET USING IAM

← → ↻ s3.console.aws.amazon.com/s3/bucket/ifeanyiezeproject1/property/policy/edit?region=us-east-1

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Amazon S3 > Buckets > ifeanyiezeproject1 > Edit bucket policy

Edit bucket policy [Info](#)

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

[Policy examples](#) [Policy generator](#)

Bucket ARN

arn:aws:s3:::ifeanyiezeproject1

Policy

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Sid": "AddPerm",
6       "Effect": "Allow",
7       "Principal": "*",
8       "Action": ["s3:GetObject"],
9       "Resource": ["arn:aws:s3:::ifeanyiezeproject1/*"]
10    }
11  ]
12 }
```

Edit statement **AddPerm** [Remove](#)

1. Add actions

Choose a service

Filter services

Included

S3

Available

AMP

API Gateway

API Gateway V2

S3 BUCKET IS CONFIGURED TO ENABLE STATIC WEB HOSTING

← → ↻ s3.console.aws.amazon.com/s3/bucket/ifeanyiezproject1/property/website/edit?region=us-east-1

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ⓘ We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose **Provide feedback**. Provide feedback ✕ ⓘ

Amazon S3 > Buckets > ifeanyiezproject1 > Edit static website hosting

Edit static website hosting ⓘ

Static website hosting

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

Static website hosting

☐ 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](#) ↗

ⓘ For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#) ↗

Index document

Specify the home or default page of the website.

index.html





Error document - *optional*

This is returned when an error occurs.

Feedback Looking for language selection? Find it in the new Unified Settings ↗

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CLOUDFRONT DISTRIBUTION IS CREATED WITH ORIGIN AS S3 HOSTING ENDPOINT

 Services [Alt+S]  Global  voclabs/user1971708=2294b0a6-d194-11e9-8f52-d755b2bbdd31 @ 07... 

CloudFront > Distributions > create

Create distribution

Origin

Origin domain

Choose an AWS origin, or enter your origin's domain name.

Origin path - optional [Info](#)

Enter a URL path to append to the origin domain name for origin requests.

Name

Enter a name for this origin.

Add custom header - optional

CloudFront includes this header in all requests that it sends to your origin.

Add header

Enable Origin Shield [Info](#)

Origin Shield is an additional caching layer that can help reduce the load on your origin and help protect its availability.

☒ No

☐ Yes

► Additional settings

Feedback

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CLOUDFRONT DISTRIBUTION IS SUCCESSFULLY CREATED

Services

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Successfully created new distribution.

CloudFront > Distributions > E8W9K567I8N0X

E8W9K567I8N0X

GeneralOriginsBehaviorsError pagesGeographic restrictionsInvalidationsTags

Details

Distribution domain name

d2rux7bkpzmbp4.cloudfront.net

ARN

arn:aws:cloudfront::077874776061:distribution/E8W9K567I8N0X

Last modified

May 25, 2022 at 9:31:24 AM UTC

Settings

Edit

Description

-

Price class

Use all edge locations (best performance)

Supported HTTP versions

HTTP/2, HTTP/1.1, HTTP/1.0

AWS WAF

-

Alternate domain names

-

Standard logging

Off

Cookie logging

Off

Default root object

-

Feedback

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CLOUDFRONT DISTRIBUTION CONFIRMED AFTER CREATTION

us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=us-east-1#/distributions

aws Services Search for services, features, blogs, docs, and more [Alt+S]

CloudFront > Distributions

Distributions (1) Info

Search all distributions

Refresh Enable Disable Delete Create distribution

<input type="checkbox"/>	ID	Description	Domain name	Alternate domai...	Origins	Status	Last modified
<input type="checkbox"/>	E8W9K567I8N0X	-	d2rux7bkpzmbp4.cl...	-	ifeanyiezproject1.s3-wet	Enabled	May 25, 2022 at 9:3...

THE WEBSITE VIEWED FROM A BROWSER USING THE CLOUDFRONT DISTRIBUTION ENDPOINT



THE WEBSITE VIEWED FROM A BROWSER USING THE S3 HOSTING ENDPOINT

