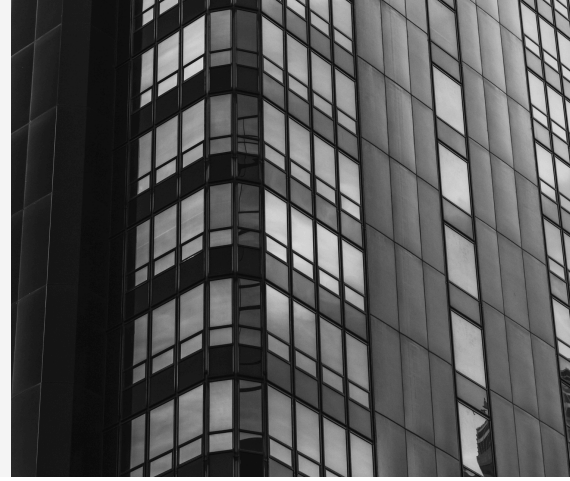


AWS Static Website Project Using AWS S3 Bucket & Amplify Services.



Prepared for: AWS Static Website project using AWS Bucket S3 and Amplify services.

Prepared by: Oladebo Ayanniyi.

About Me

I am highly motivated and detail-oriented individual with a strong passion for machine learning and cloud computing. With a solid foundation in programming, data analysis, and machine learning concepts, am eager to contribute to innovative AI/ML solutions using Amazon Web Services (AWS). By brings a proactive mindset, a willingness to learn, and a commitment to delivering high-quality results in a collaborative team environment.

Project Content

- Open our AWS Console S3
- Bucket
- Upload html.index page
- Properties
- Conclusion

Scope of Work

Open our AWS Console S3

- Choose the **"Region"** close to you
 - Go to the Search corner type **"S3"** pop out and click on it

○ Go “Create Bucket”

The screenshot shows the AWS Management Console interface. The 'Recently visited' sidebar is open, displaying a list of services including S3, Console Home, AWS Organizations, IAM, RDS, EC2, Amazon Comprehend, Amazon SageMaker AI, and Billing and Cost Management. The main content area shows the 'Create bucket' button highlighted in orange. The 'View Storage Lens dashboard' button is also visible. The 'Access Analyzer' table lists several buckets with their creation dates.

| Access Analyzer | Creation date |
|---|--|
| analyzer for eu-north-1 | August 23, 2024, 11:47:19 (UTC+01:00) |
| analyzer for eu-north-1 | August 23, 2024, 09:54:28 (UTC+01:00) |
| analyzer for eu-north-1 | October 25, 2024, 14:45:21 (UTC+01:00) |
| analyzer for eu-north-1 | October 25, 2024, 14:59:24 (UTC+01:00) |
| analyzer for eu-north-1 | October 25, 2024, 14:57:49 (UTC+01:00) |
| analyzer for eu-north-1 | October 25, 2024, 14:45:15 (UTC+01:00) |
| analyzer for eu-north-1 | October 25, 2024, 15:09:41 (UTC+01:00) |

Bucket

- Give the name “**Bucket Name**” i.e myfirststatic-website-project
 - The bucket name must be **Unique** and leave other things as default
 - Stroll down right handside and click on “**Create Bucket**”
 - Click on “**View details**”

The screenshot shows the AWS Management Console interface for the 'Amazon S3' service. The 'Create bucket' button is highlighted in orange. The 'General purpose buckets' tab is selected, and the 'Find buckets by name' search bar is visible. The table lists several buckets with their creation dates.

| Name | AWS Region | IAM Access Analyzer | Creation date |
|---|-------------------------------|--|--|
| mytargetbuckets | Europe (Stockholm) eu-north-1 | View analyzer for eu-north-1 | August 23, 2024, 11:47:19 (UTC+01:00) |
| myunfoldbucketfirst | Europe (Stockholm) eu-north-1 | View analyzer for eu-north-1 | August 23, 2024, 09:54:28 (UTC+01:00) |
| sagemaker-eu-north-1-202533517612 | Europe (Stockholm) eu-north-1 | View analyzer for eu-north-1 | October 25, 2024, 14:45:21 (UTC+01:00) |
| sagemaker-studio-202533517612-3oexdxbg7o | Europe (Stockholm) eu-north-1 | View analyzer for eu-north-1 | October 25, 2024, 14:59:24 (UTC+01:00) |
| sagemaker-studio-202533517612-5fgzoelh67v | Europe (Stockholm) eu-north-1 | View analyzer for eu-north-1 | October 25, 2024, 14:57:49 (UTC+01:00) |
| sagemaker-studio- | Europe (Stockholm) eu-north-1 | View analyzer for eu-north-1 | October 25, 2024, 14:45:15 (UTC+01:00) |

us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general

aws Search [Option+S]

United States (N. Virginia) oladebo

Amazon S3 > Buckets > Create bucket

Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region
US East (N. Virginia) us-east-1

Bucket type [Info](#)

☒ **General purpose**
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

☐ **Directory**
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name [Info](#)
myfirststatic-website-project

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.

[Choose bucket](#)

Format: s3://bucket/prefix

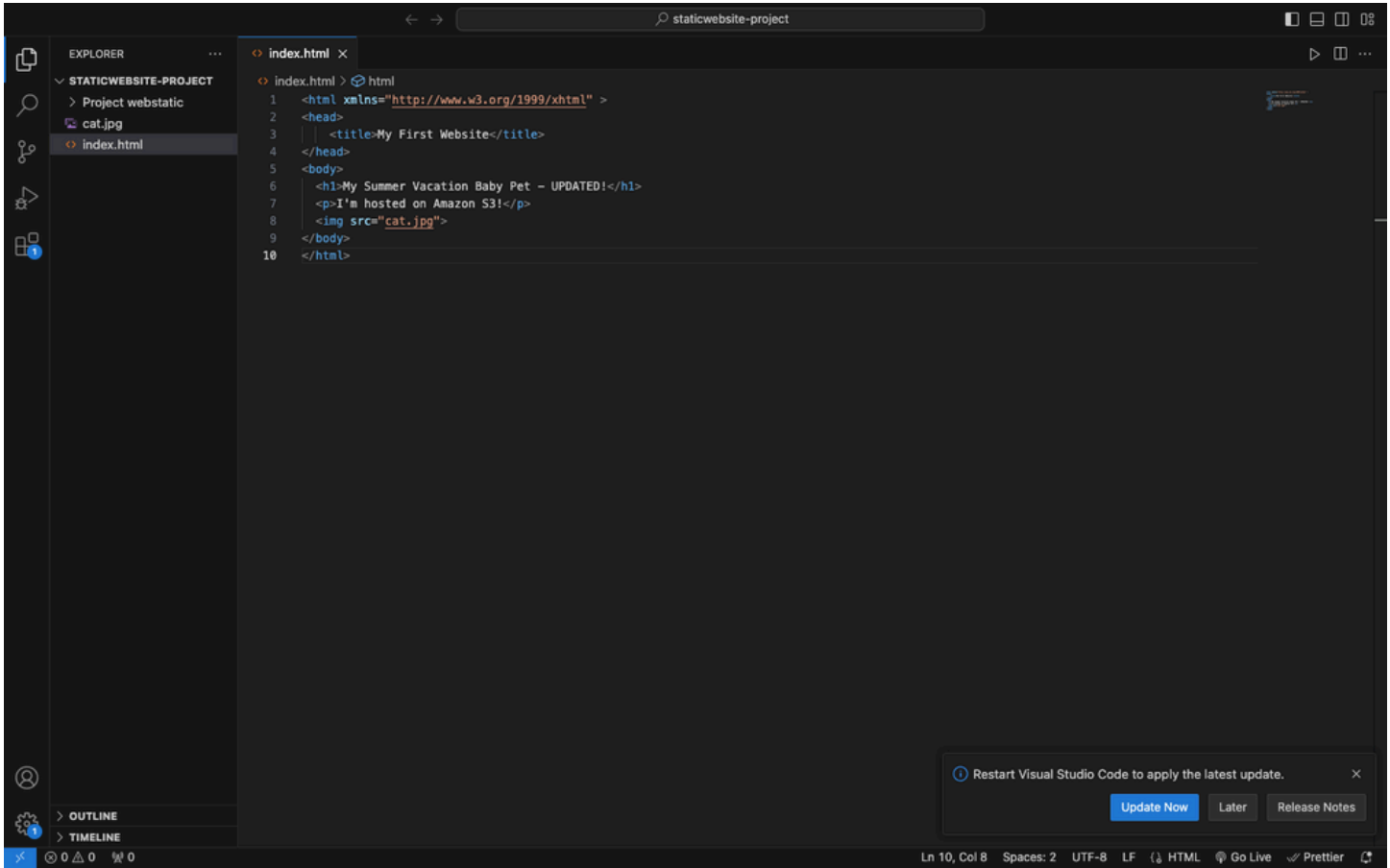
Object Ownership [Info](#)

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

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Upload html.index page

- Upload HTML.Index page/image and click on down **“Upload”**
 - This will take us down to our local file in computer were our **“HTML file and image”**.
 - Select the **“two file”** and click on upload
 - Click on **“Close”** after is successful i.e we have our two objects sitting in our S3 bucket i.e HTML file and image file



us-east-1.console.aws.amazon.com/s3/upload/myfirststatic-website-project?region=us-east-1&bucketType=general

aws Search [Option+S] United States (N. Virginia) oladebo

Upload succeeded
For more information, see the Files and folders table.

Upload: status Close

After you navigate away from this page, the following information is no longer available.

Summary

| | | |
|--|---|------------------------------------|
| Destination s3://myfirststatic-website-project | Succeeded 2 files, 259.6 KB (100.00%) | Failed 0 files, 0 B (0%) |
|--|---|------------------------------------|

Files and folders Configuration

Files and folders (2 total, 259.6 KB)

Find by name

| Name | Folder | Type | Size | Status | Error |
|------------|--------|------------|----------|-----------|-------|
| cat.jpg | - | image/jpeg | 259.3 KB | Succeeded | - |
| index.html | - | text/html | 219.0 B | Succeeded | - |

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Properties

- Stroll down you will **"Static website hosting"** from **"Bucket S3 side"**
 - Click on **"Create amplify app"** to enable
 - Click on **"Save and deploy"**
 - However you can also start on the amplify console as well otherwise by clicking on **"Create new apps"** on by selecting **"Choose deploy without git"** click on **"Next"** and pick **"Amazon S3"** and browse to were your bucket are, click on **Save and deploy** i.e you can start from either **"Amplify side"**, **"Bucket S3 side"**. **"CLI"** or from the **"SDK"**
 - Click on the **"Domain URL "** on our Amplify app

us-east-1.console.aws.amazon.com/s3/buckets/myfirststatic-website-project?region=us-east-1&bucketType=general&tab=properties

aws

Search

[Option+S]

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Amazon S3 > Buckets > myfirststatic-website-project

myfirststatic-website-project

ObjectsMetadata - PreviewPropertiesPermissionsMetricsManagementAccess Points

Bucket overview

AWS Region
US East (N. Virginia) us-east-1

Amazon Resource Name (ARN)
arn:aws:s3:::myfirststatic-website-project

Creation date
January 26, 2025, 01:01:53 (UTC+01:00)

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Bucket Versioning

Disabled

Multi-factor authentication (MFA) delete

An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

Disabled

Tags (0)

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

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us-east-1.console.aws.amazon.com/amplify/apps/d40dc67b31vqi/overview

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Services

Search

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All Apps > app8481: Overview

SupportDocs

app8481

OverviewHostingApp settings

app8481

Visit deployed URL

App ID: d40dc67b31vqi

Branches 1

staging
Deployed

Domain
https://staging.d40dc67b31vqi.amplifyapp.com

Last deployment
0 minutes ago

Deploy updates

★ Production branch

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My Summer Vacation Baby Pet - UPDATED!

I'm hosted on Amazon S3!



Conclusion

In this **AWS Static Website Project** I utilizing **Amazon S3** and **AWS Amplify** demonstrates the power and simplicity of leveraging AWS services to build, host, and deploy modern web applications. This project highlights the seamless integration of cloud infrastructure and developer tools to create a scalable, cost-effective, and high-performance static website.

Contact Details

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