

Hosting a static website using AWS simple storage service (S3) Bucket.

AWS S3 is a scalable, easy-to-use, and affordable storage that can be used to store any amount of data from anywhere. Using S3 to host a Static website, data archival etc. are a few examples of what this wonderful storage service can do.

Steps in Hosting a static website

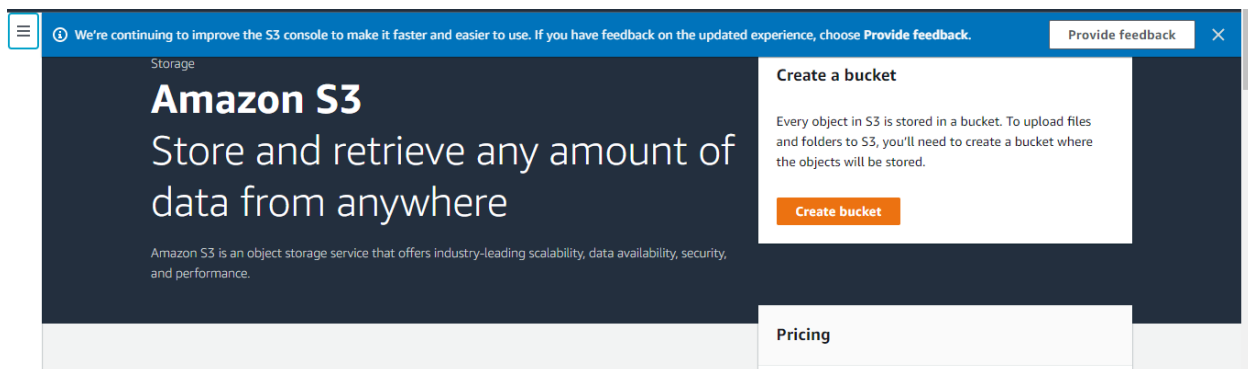
1. Create a bucket
2. Upload source code
3. Enable static website hosting
4. Give permissions

Download the source code for this website from here: <https://startbootstrap.com> or Google drive link: <https://drive.google.com/drive/folders/>

Create a bucket

S3 Bucket can be used to host a Static website and Static Websites are informational site only and do not require login details to access the content and it also retains the same information for everyone that visits the site. Example blog sites, some news sites etc.

Step 1: Search and click on "S3" from AWS Services or Management Console then Click on "Create bucket"



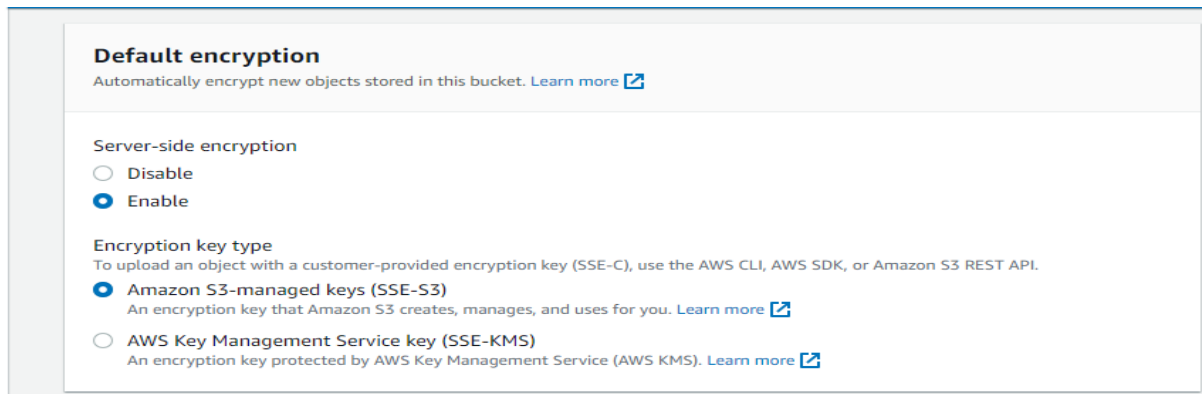
Step 2: in the “general configuration” tab, type in a “unique bucket name” (if the name is not unique, it can clash with another bucket that is stored in the S3), and choose the “AWS region” where you want your bucket to be located.

The screenshot shows the AWS S3 'Create bucket' console. The breadcrumb navigation is 'Amazon S3 > Buckets > Create bucket'. The main heading is 'Create bucket' with an 'Info' link. Below it, a note states 'Buckets are containers for data stored in S3. Learn more'. The 'General configuration' section contains a 'Bucket name' input field with the text 'mystaticwebsite', a note that the name must be globally unique and not contain spaces or uppercase letters, an 'AWS Region' dropdown menu set to 'US East (N. Virginia) us-east-1', and a section for 'Copy settings from existing bucket - optional' with a 'Choose bucket' button.

Step 3: Uncheck the “block public access” (unchecking it is “not recommended” as it is not best practice but because the website to be hosted on this bucket is meant for public viewing, I had to uncheck it)

The screenshot shows the 'Block Public Access settings for this bucket' section in the AWS S3 console. It includes an introductory paragraph about public access and a list of four settings, all of which are unchecked. The settings are: 'Block all public access', 'Block public access to buckets and objects granted through new access control lists (ACLs)', 'Block public access to buckets and objects granted through any access control lists (ACLs)', and 'Block public access to buckets and objects granted through new public bucket or access point policies'. The final setting, 'Block public and cross-account access to buckets and objects through any public bucket or access point policies', is partially visible.

Step 4: Enable encryption (it is best practice to use AWS-provided encryption unless your company has its own then you can work with it)



Default encryption
Automatically encrypt new objects stored in this bucket. [Learn more](#)

Server-side encryption

☐ Disable

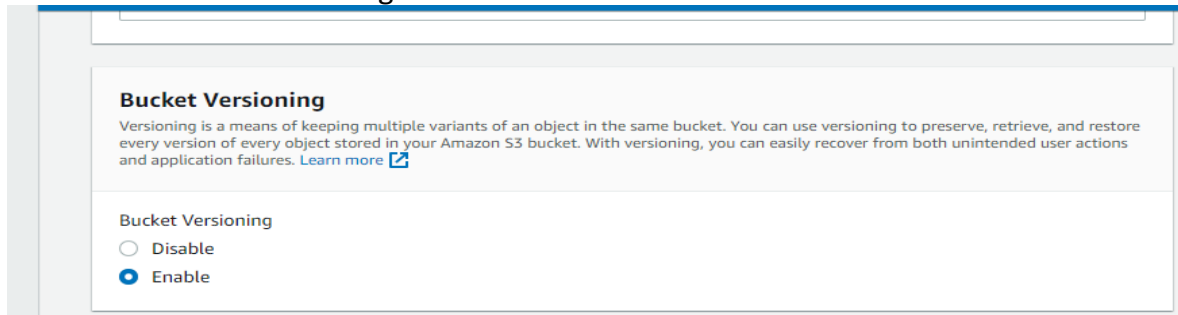
☒ Enable

Encryption key type
To upload an object with a customer-provided encryption key (SSE-C), use the AWS CLI, AWS SDK, or Amazon S3 REST API.

☒ **Amazon S3-managed keys (SSE-S3)**
An encryption key that Amazon S3 creates, manages, and uses for you. [Learn more](#)

☐ **AWS Key Management Service key (SSE-KMS)**
An encryption key protected by AWS Key Management Service (AWS KMS). [Learn more](#)

Enable bucket versioning



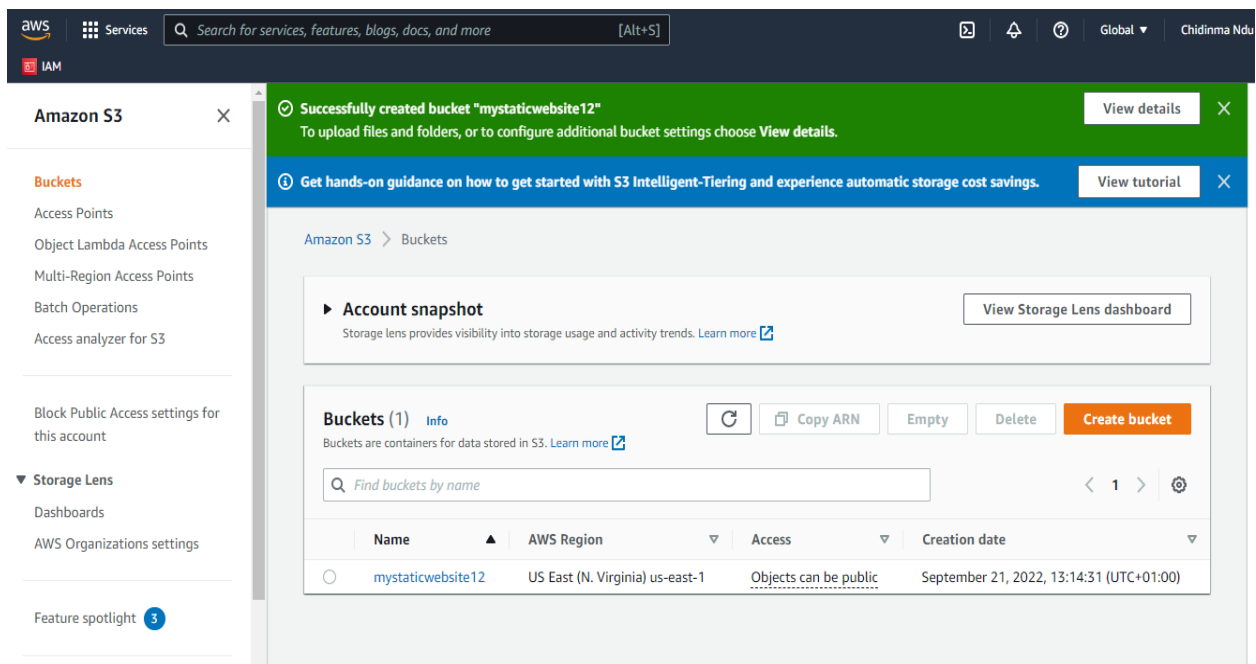
Bucket Versioning
Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and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

Bucket Versioning

☐ Disable

☒ Enable

Step 5: Proceed to click on "Create bucket". If the steps are followed judiciously, the creation should be successful.



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Amazon S3

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Block Public Access settings for this account

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Feature spotlight 3

Successfully created bucket "mystaticwebsite12"
To upload files and folders, or to configure additional bucket settings choose [View details](#).

Get hands-on guidance on how to get started with S3 Intelligent-Tiering and experience automatic storage cost savings. [View tutorial](#)

Amazon S3 > Buckets

Account snapshot
Storage lens provides visibility into storage usage and activity trends. [Learn more](#) [View Storage Lens dashboard](#)

Buckets (1) Info [Refresh](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

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

Find buckets by name

	Name	AWS Region	Access	Creation date
<input type="radio"/>	mystaticwebsite12	US East (N. Virginia) us-east-1	Objects can be public	September 21, 2022, 13:14:31 (UTC+01:00)