

# S3 Bucket Creation

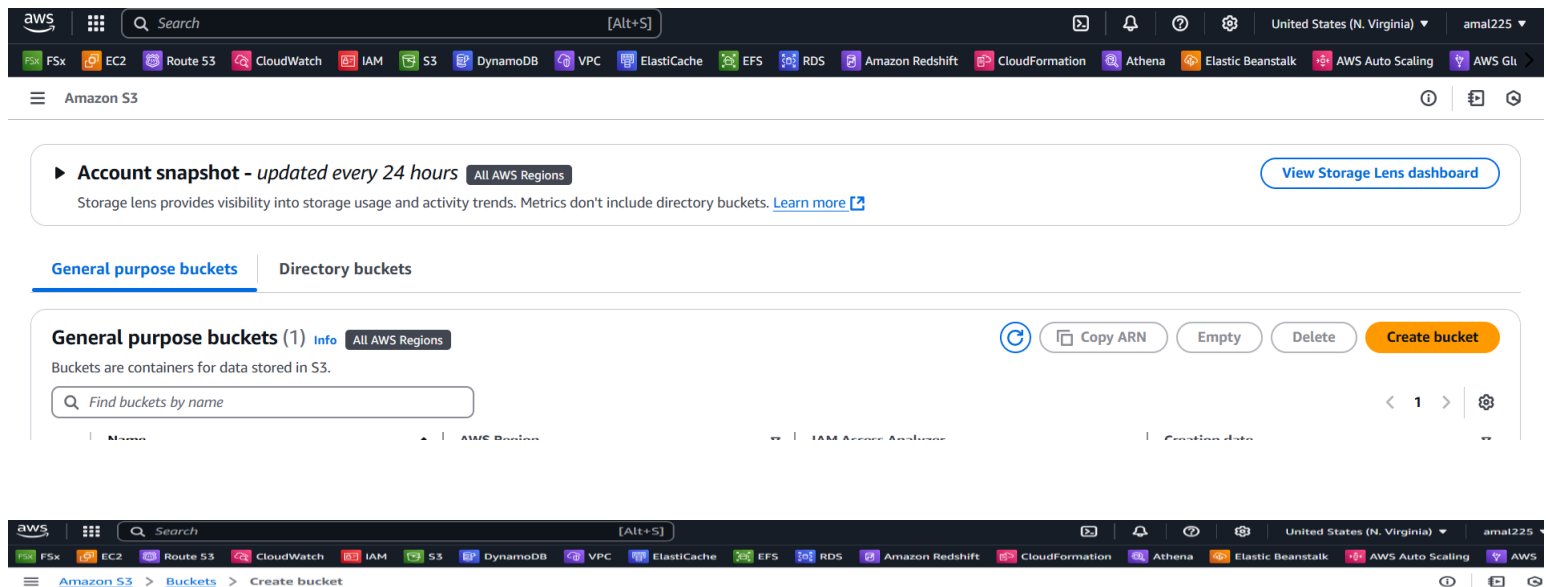
## Problem Statement:

You work for XYZ Corporation. Their application requires a storage service that can store files and publicly share them if required. Implement S3 for the same.

## Tasks To Be Performed:

1. Create an S3 Bucket for file storage.
2. Upload 5 objects with different file extension

1. Create an S3 Bucket for file storage.



The screenshot shows the AWS Management Console interface for creating a new S3 bucket. The top navigation bar includes the AWS logo, a search bar, and various service icons. The main content area is titled 'Amazon S3' and shows a 'Create bucket' button. Below this, there's a section for 'General purpose buckets (1)' with a search bar and a list of buckets. The 'Create bucket' page is displayed, showing the 'General configuration' section. The 'AWS Region' is set to 'US East (N. Virginia) us-east-1'. The 'Bucket type' is set to 'General purpose'. The 'Bucket name' field contains 'amal202501raj'. The 'Copy settings from existing bucket - optional' section is also visible.

### 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](#)

amal202501raj

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

Amazon S3 > Buckets > Create bucket

Block Public Access Settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

☐ Block all public access

Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

☐ Block public access to buckets and objects granted through new access control lists (ACLs)

S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

☐ Block public access to buckets and objects granted through any access control lists (ACLs)

S3 will ignore all ACLs that grant public access to buckets and objects.

☐ Block public access to buckets and objects granted through new public bucket or access point policies

S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

☐ Block public and cross-account access to buckets and objects through any public bucket or access point policies

S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

⚠️ Turning off block all public access might result in this bucket and the objects within becoming public

AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

☒ I acknowledge that the current settings might result in this bucket and the objects within becoming public.

☒ I acknowledge that the current settings might result in this bucket and the objects within becoming public.

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

Tags - optional (0)

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

No tags associated with this bucket.

Add tag

Amazon S3 > Buckets > Create bucket

Bucket Key

Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

☒ Disable

☐ Enable

▼ Advanced settings

Object Lock

Store objects using a write-once-read-many (WORM) model to help you prevent objects from being deleted or overwritten for a fixed amount of time or indefinitely. Object Lock works only in versioned buckets. [Learn more](#)

☒ Disable

☐ Enable

Permanently allows objects in this bucket to be locked. Additional Object Lock configuration is required in bucket details after bucket creation to protect objects in this bucket from being deleted or overwritten.

🔔 Object Lock works only in versioned buckets. Enabling Object Lock automatically enables Versioning.

🔔 After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel

Create bucket

## 2Upload 5 objects with different file extension

### amal202501raj [Info](#)

Objects

Metadata - Preview

Properties

Permissions

Metrics

Management

Access Points

#### Objects (0) [Info](#)

[Copy S3 URI](#)[Copy URL](#)[Download](#)[Open](#)[Delete](#)[Actions](#)[Create folder](#)[Upload](#)

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](#)

< 1 >

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
--------------------------	------	------	---------------	------	---------------

No objects  
You don't have any objects in this bucket.

[Upload](#)

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://amal202501raj

##### Succeeded

1 file, 1.6 KB (100.00%)

##### Failed

0 files, 0 B (0%)

Files and folders

Configuration

#### Files and folders (1 total, 1.6 KB)

< 1 >

Name	Folder	Type	Size	Status	Error
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<a href="#">jan2.pem</a>	-	-	1.6 KB	<div></div> Succeeded	-
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### amal202501raj [Info](#)

Objects

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#### Objects (5) [Info](#)

[Copy S3 URI](#)[Copy URL](#)[Download](#)[Open](#)[Delete](#)[Actions](#)[Create folder](#)[Upload](#)

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< 1 >

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">CAEStudyLB.png</a>	png	January 6, 2025, 13:30:32 (UTC+05:30)	46.6 KB	Standard
<input type="checkbox"/>	<a href="#">jan2.pem</a>	pem	January 6, 2025, 13:28:40 (UTC+05:30)	1.6 KB	Standard
<input type="checkbox"/>	<a href="#">Networking_VPC.pdf</a>	pdf	January 6, 2025, 13:29:24 (UTC+05:30)	719.0 KB	Standard
<input type="checkbox"/>	<a href="#">S3-Bucket-Creation-Assignment---1.docx</a>	docx	January 6, 2025, 13:29:55 (UTC+05:30)	50.4 KB	Standard
<input type="checkbox"/>	<a href="#">wavie_off.jpg</a>	jpg	January 6, 2025, 13:31:00 (UTC+05:30)	145.7 KB	Standard

