

## AWS TASK – 2

### S3 Bucket Creation

#### 1. Creating Bucket

The screenshot displays the AWS S3 console's 'Create bucket' page. The browser address bar shows the URL: `ap-south-1.console.aws.amazon.com/s3/bucket/create?region=ap-south-1&bucketType=general`. The page is divided into three main sections:

- General configuration**
  - AWS Region:** Asia Pacific (Mumbai) ap-south-1
  - Bucket type:** ☒ 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:** ☐ 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:** dinesh (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**
  - ACLs disabled (recommended):** ☒ All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.
  - ACLs enabled:** ☐ Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.
  - Object Ownership:** Bucket owner enforced
- Block Public Access settings for this bucket**
  - 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.

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

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Asia Pacific (Mumbai)Dinesh

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.

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

awsSearch[Alt+S]

Asia Pacific (Mumbai)Dinesh

Amazon S3> Buckets> Create bucket

Default encryption

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type

☒ Server-side encryption with Amazon S3 managed keys (SSE-S3)

☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)

☐ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)

Secure your objects with two separate layers of encryption. For details on pricing, see DSSE-KMS pricing on the Storage tab of the [Amazon S3 pricing page](#).

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

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

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The screenshot shows the AWS console interface for creating and managing S3 buckets. The browser address bar indicates the URL: `ap-south-1.console.aws.amazon.com/s3/bucket/create?region=ap-south-1&bucketType=general`.

**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](#)

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

**Account snapshot - updated every 24 hours** [All AWS Regions](#) [View Storage Lens dashboard](#)  
Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

**General purpose buckets** | **Directory buckets**

**General purpose buckets (1)** [Info](#) [All AWS Regions](#)  
Buckets are containers for data stored in S3.

[Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

Name	AWS Region	IAM Access Analyzer	Creation date
<a href="#">dineshrajendran</a>	Asia Pacific (Mumbai) ap-south-1	<a href="#">View analyzer for ap-south-1</a>	January 23, 2025, 10:20:44 (UTC+05:30)

## 2. Uploading a file

aws

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Asia Pacific (Mumbai) Dinesh

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

Destination	Succeeded	Failed
s3://dineshrajendran	1 file, 627.9 KB (100.00%)	0 files, 0 B (0%)

Files and folders Configuration

Files and folders (1 total, 627.9 KB)

Find by name

Name	Folder	Type	Size	Status	Error
<a href="#">SRS_Dinesh R.pdf</a>	-	application/pdf	627.9 KB	Succeeded	-

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### 3. Grant Permission

ap-south-1.console.aws.amazon.com/s3/buckets/dineshrajendran?region=ap-south-1&bucketType=general&tab=objects

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

Amazon S3 > Buckets > dineshrajendran

Objects (1) 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](#)

Find objects by prefix

<input checked="" type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input checked="" type="checkbox"/>	SRS_Dinesh R.pdf	pdf	January 23, 2025, 10:27:52 (UTC+05:30)	627.9 KB	Standard

Share "SRS\_Dinesh R.pdf" with a presigned URL

Presigned URLs are used to grant access to an object for a limited time. [Learn more](#)

Anyone can access the object with this presigned URL until it expires, even if the bucket, and object are private.

Time interval until the presigned URL expires

Using the S3 console, you can share an object with a presigned URL for up to 12 hours or until your session expires. To create a presigned URL with a longer time interval, use the AWS CLI or AWS SDK. Time intervals for presigned URLs can be restricted by your IAM policy.

Minutes

Hours

Number of minutes

5

Must be a whole number between 1 and 720.

After you create the presigned URL, it's automatically copied to your clipboard.

Cancel

Create presigned URL

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

A presigned URL for "SRS\_Dinesh R.pdf" has been created and copied to your clipboard.

Copy presigned URL

Presigned URL copied

Objects (1) Info

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

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Find objects by prefix

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