

Assignment no: 4

Problem Statement: Create a private bucket in AWS

.Upload a file and check by reassigned URL whether you can access the file or not.

Solution:

1. At first go to the s3 bucket and tap on create bucket.
2. Give a name of the bucket.
3. Then do not change anything and create the bucket.

The screenshot shows the AWS Management Console 'Create bucket' page. The interface is divided into several sections for configuring the bucket:

- General configuration:** Includes fields for 'AWS Region' (set to 'us-east-1'), 'Bucket type' (radio buttons for 'General purpose' and 'Directory'), 'Bucket name' (text input with 'mybucket123'), and a 'Copy settings from existing bucket' section.
- Object Ownership:** Radio buttons for 'ACL disabled (recommended)' and 'ACL enabled'. A note states that ACLs are disabled by default.
- Block Public Access settings for this bucket:** A section with a 'Block all public access' checkbox and a list of settings to block public access to buckets and objects.
- Bucket Versioning:** Radio buttons for 'Disable' and 'Enable'.
- Tags - optional:** A section for adding tags to the bucket.
- Default encryption:** Radio buttons for 'Server-side encryption with Amazon S3 managed keys (SSE-S3)', 'Server-side encryption with AWS Key Management Service keys (SSE-KMS)', and 'Dual-layer server-side encryption with AWS Key Management Service keys (DSE-KMS)'. The 'SSE-S3' option is selected.
- Bucket Key:** Radio buttons for 'Disable' and 'Enable'.
- Advanced settings:** A section for additional bucket settings.

At the bottom right, there are 'Cancel' and 'Create bucket' buttons.

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Amazon S3 > Buckets

Successfully created bucket "tamoghnabucket120"
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.

Find buckets by name

Name	AWS Region	IAM Access Analyzer	Creation date
tamoghnabucket120	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	February 9, 2025, 00:01:00 (UTC+05:30)

4. Go to the created bucket and click on the upload option.
5. And upload a picture .

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Amazon S3 > Buckets

Account snapshot - updated every 24 hours [All AWS Regions](#) [View Storage Lens dashboard](#)
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General purpose buckets Directory buckets

General purpose buckets (1/1) [Info](#) [All AWS Regions](#)
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Amazon S3 > Buckets > tamoghnabucket120 > Upload

Upload [Info](#)
Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose [Add files](#) or [Add folder](#).

Files and folders (1 total, 140.1 KB)
All files and folders in this table will be uploaded.

Find by name

<input checked="" type="checkbox"/>	Name	Folder	Type	Size
<input checked="" type="checkbox"/>	Screenshot 2025-02-09 000130.png	-	image/png	140.1 KB

Destination [Info](#)
Destination
[s3://tamoghnabucket120](#)

Destination details
Bucket settings that impact new objects stored in the specified destination.

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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://tamoghnabucket120	Succeeded 1 file, 140.1 KB (100.00%)	Failed 0 files, 0 B (0%)
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Files and folders Configuration

Files and folders (1 total, 140.1 KB)

Find by name

Name	Folder	Type	Size	Status	Error
Screenshot 2025-02-09 000130...	-	image/png	140.1 KB	Succeeded	-

6. Go to the created bucket and click on the upload option.
7. And upload a picture .

← → ↺ tamoghnabucket120.s3.ap-south-1.amazonaws.com/Screenshot+2025-02-09+000130.png

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8"?>
<Error>
  <Code>AccessDenied</Code>
  <Message>Access Denied</Message>
  <RequestId>MAGKTQAAAND3EQTP</RequestId>
  <HostId>ye28Wexh/SfQvketpS1mEgVkkVXa1+zTuftCCzODtWfOrvzQLW4U+c107SNBTYwGxzMT8U+CaNdaJYEQuxs21w==</HostId>
</Error>
```

8. So if we gave access of this private bucket we can create a preassigned url for some time .
9. And we use this url to access this file for some assigned time.
10. Thus the private bucket is created.

