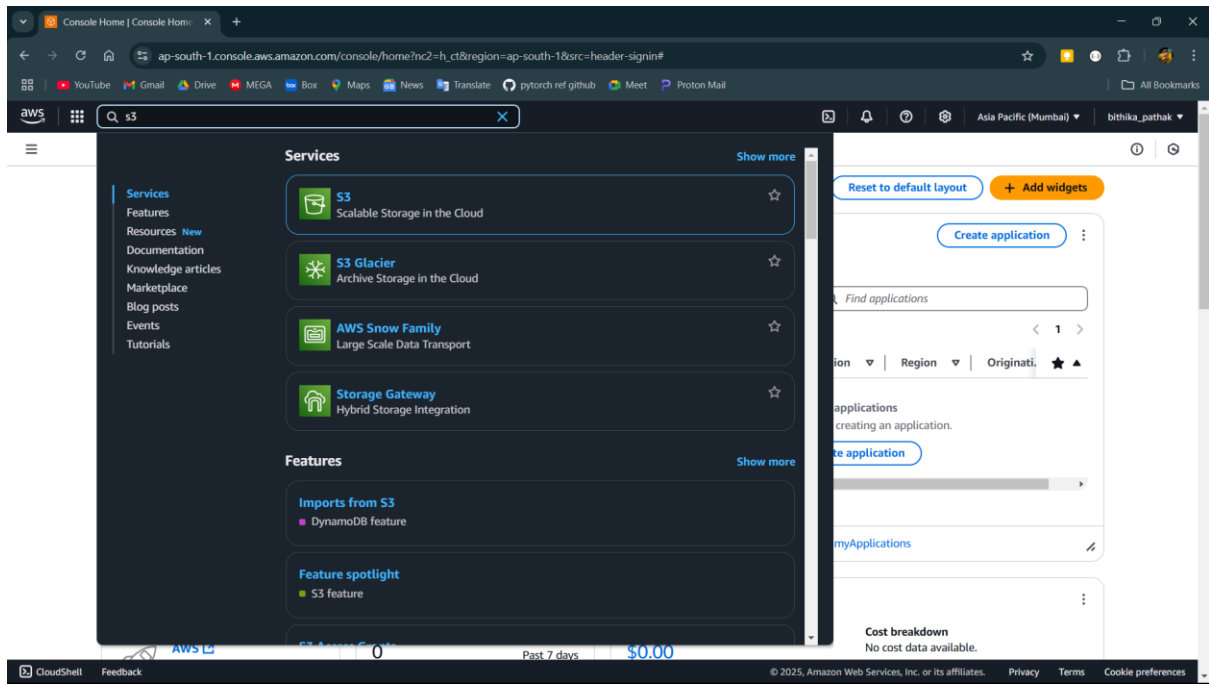


Assignment No:04

Title: Create a private bucket in in AWS. Upload a file and check whether you can access the file or not

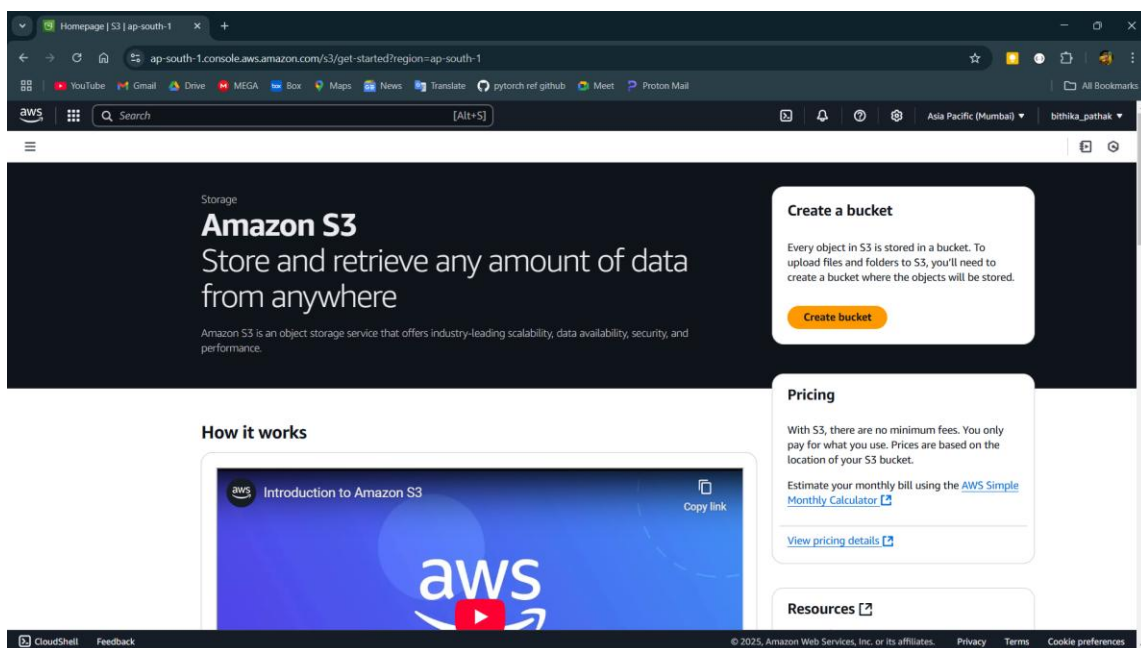
Step-1:

Search S3 in the AWS management console



Step-2:

Click on the S3 and click on create bucket.



Name:Bithika Pathak
Class:CSE(DS)/22/027

Step-3:

Name the bucket the select all the necessary settings uncheck “block all public access” and enable bucket versioning.

Create S3 bucket | S3 | ap-south-1

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

Amazon S3 > Buckets > Create bucket

Buckets are containers for data stored in S3.

General configuration

AWS Region
Asia Pacific (Mumbai) ap-south-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](#)

bithikabucket

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.

☒ **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.

Create S3 bucket | S3 | ap-south-1

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

Amazon S3 > Buckets > Create bucket

Object Ownership

Bucket owner enforced

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 is 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.

Bucket Versioning

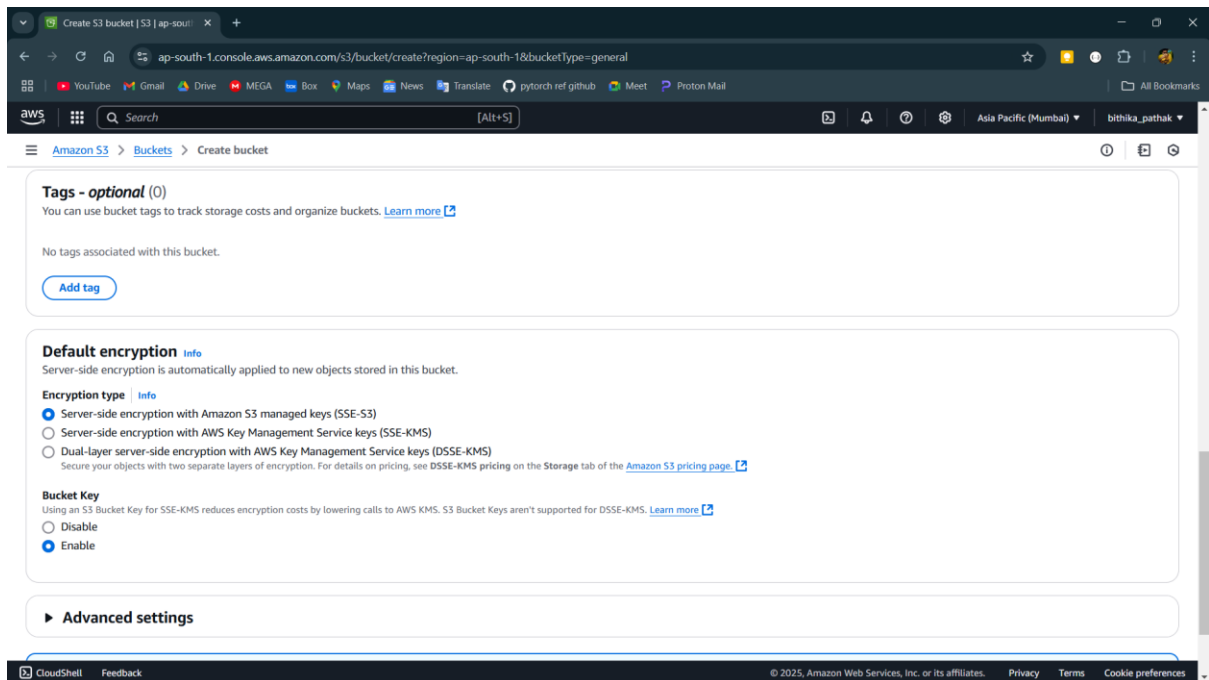
Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures.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

Bucket Versioning

☒ **Disable**

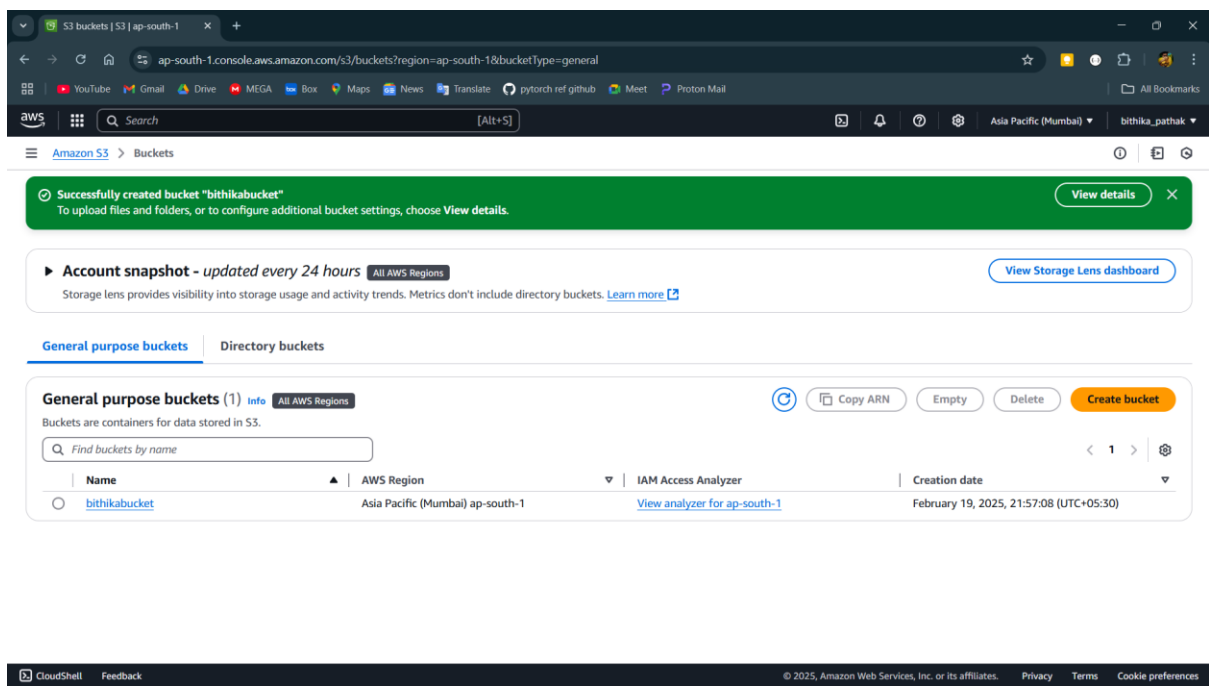
☐ **Enable**

Name:Bithika Pathak
Class:CSE(DS)/22/027



Step-4:

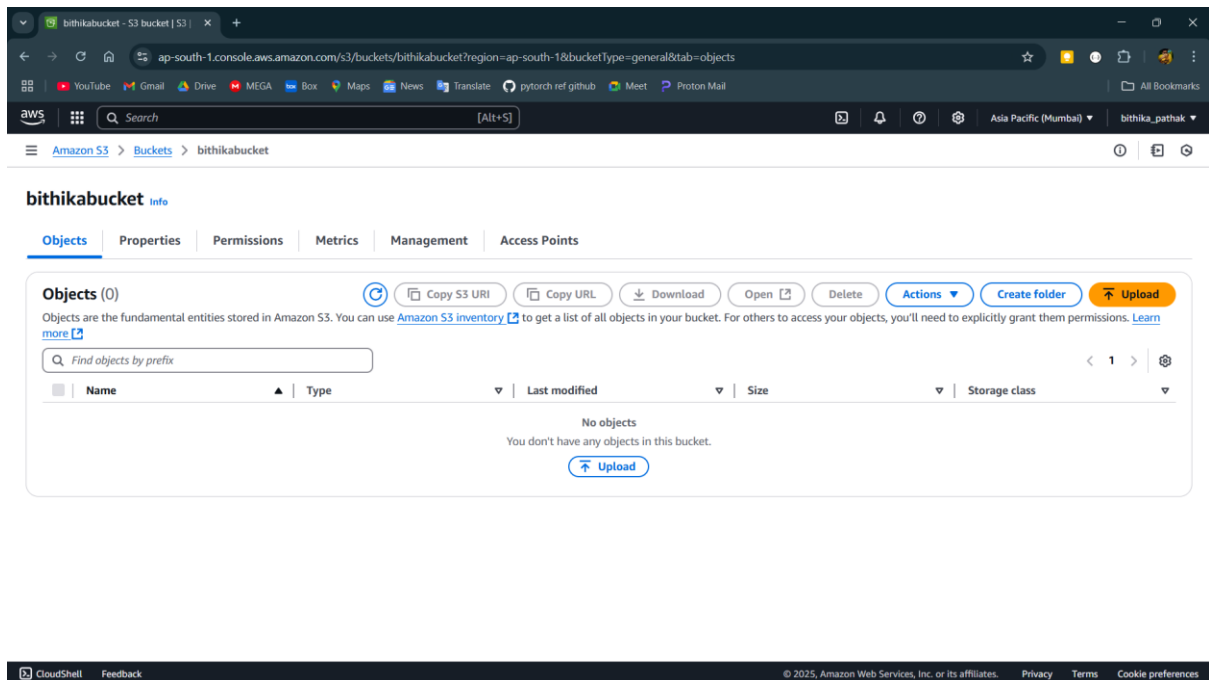
Now click on the name of the created bucket.



Name:Bithika Pathak
Class:CSE(DS)/22/027

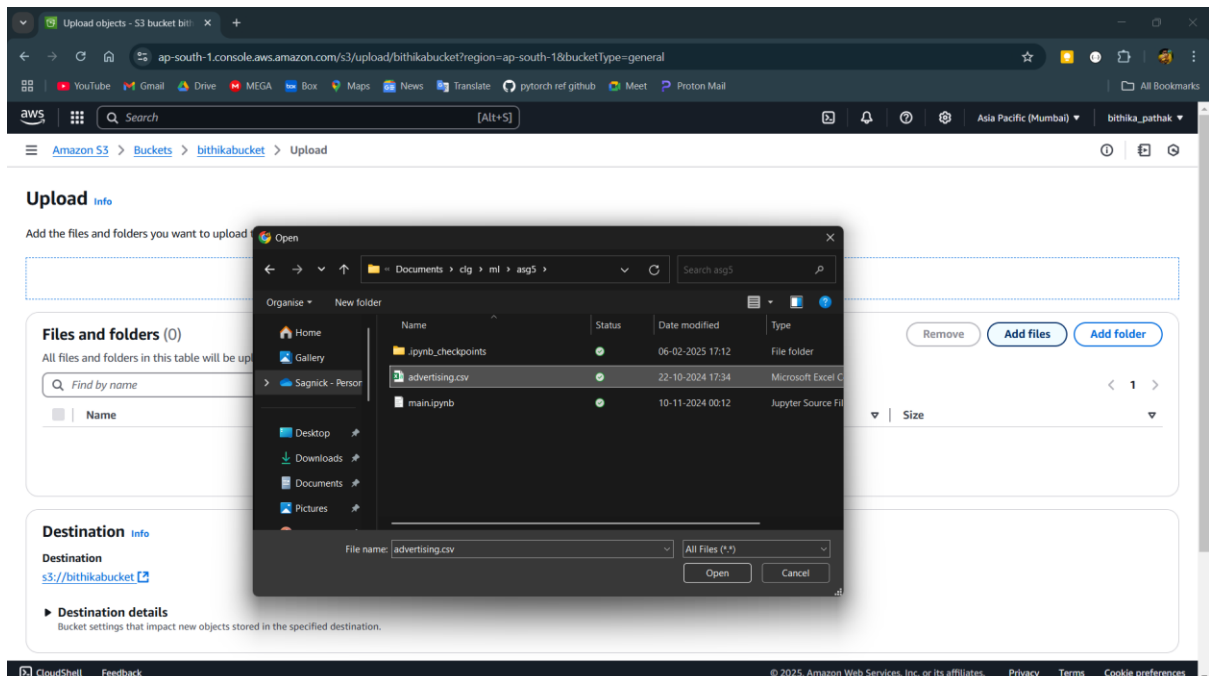
Step-5:

Click on upload to upload file.



Step-6:

Select the file file to upload and click open. Then press upload



Name: Bithika Pathak
Class: CSE(DS)/22/027

Step-7:

Now click on the name of the file uploaded

The screenshot shows the AWS S3 console interface. At the top, a green banner indicates "Upload succeeded" with a message: "For more information, see the Files and folders table." Below this, the "Upload: status" section shows a summary of the upload. The destination is "s3://bithikabucket". The status is "Succeeded" with a green checkmark, indicating "1 file, 105.8 KB (100.00%)". The "Failed" status shows "0 files, 0 B (0%)". Below the summary, the "Files and folders" section shows a table with one file: "advertising.csv". The table has columns for Name, Folder, Type, Size, Status, and Error. The file "advertising.csv" is listed with a size of 105.8 KB and a status of "Succeeded".

Name	Folder	Type	Size	Status	Error
advertising.csv	-	text/csv	105.8 KB	Succeeded	-

Step-8:

Copy the Object URL and open it in incognito mode.

The screenshot shows the AWS S3 console interface for the "advertising.csv" object. The "Properties" tab is selected. The "Object overview" section displays the following information:

- Owner:** 0c8c572588025f96afe75fb3465dc2d289dc2132b773fdca522133ee573a270d
- AWS Region:** Asia Pacific (Mumbai) ap-south-1
- Last modified:** February 19, 2025, 21:58:52 (UTC+05:30)
- Size:** 105.8 KB
- Type:** csv
- Key:** advertising.csv

The "S3 URI" section displays the following information:

- S3 URI:** s3://bithikabucket/advertising.csv
- Amazon Resource Name (ARN):** arn:aws:s3::bithikabucket/advertising.csv
- Entity tag (Etag):** 061a5ca9ef491b13a9e7d43d062bfd80
- Object URL:** https://bithikabucket.s3.ap-south-1.amazonaws.com/advertising.csv

Name: Bithika Pathak
Class: CSE(DS)/22/027

Step-9:

The access is denied.

