

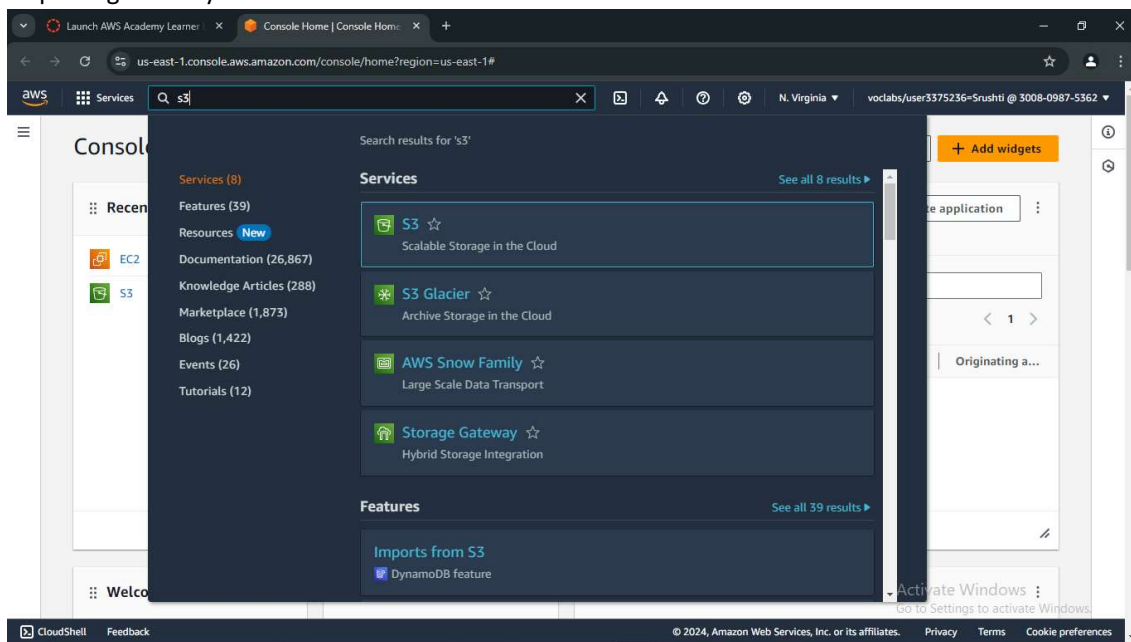
Assignment: 7

Name : Srushti Dattatray Pawar

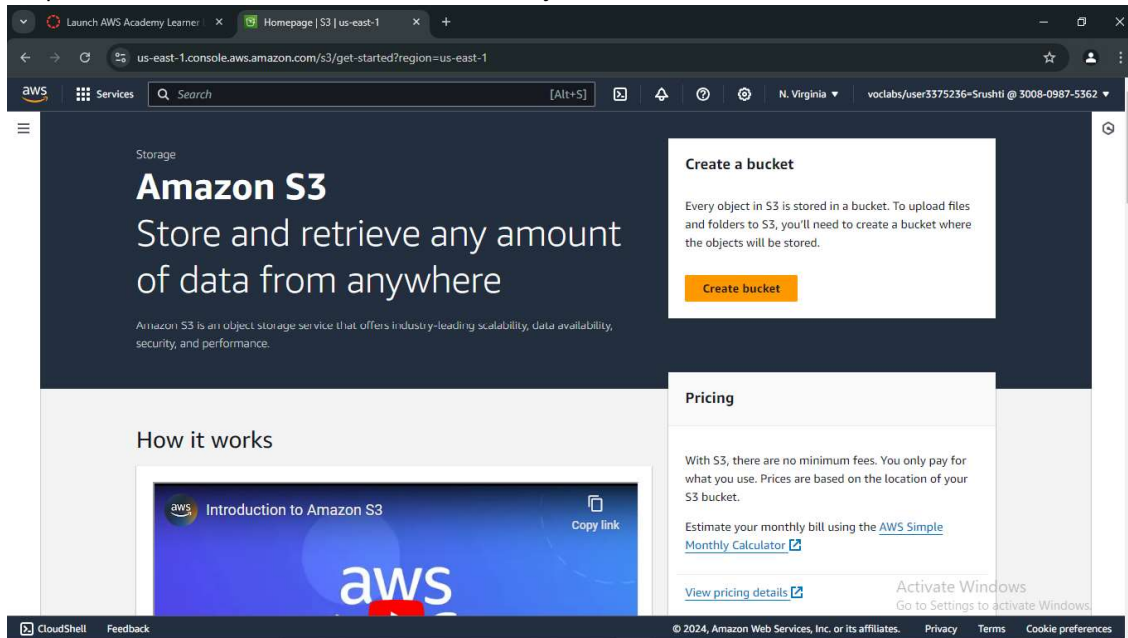
Class: Msc CS Part 2

Q.)Practical Implementation of Storage as a Service(S3) Create an S3 Bucket,Upload a file to bucket,Retrive a file from S3 Bucket,Delete a File from S3 Bucket using AWS. Step 1: Login in to your AWS account and go to service->Storage-> S3 (Scalable Storage in the Cloud)for creating bucket.

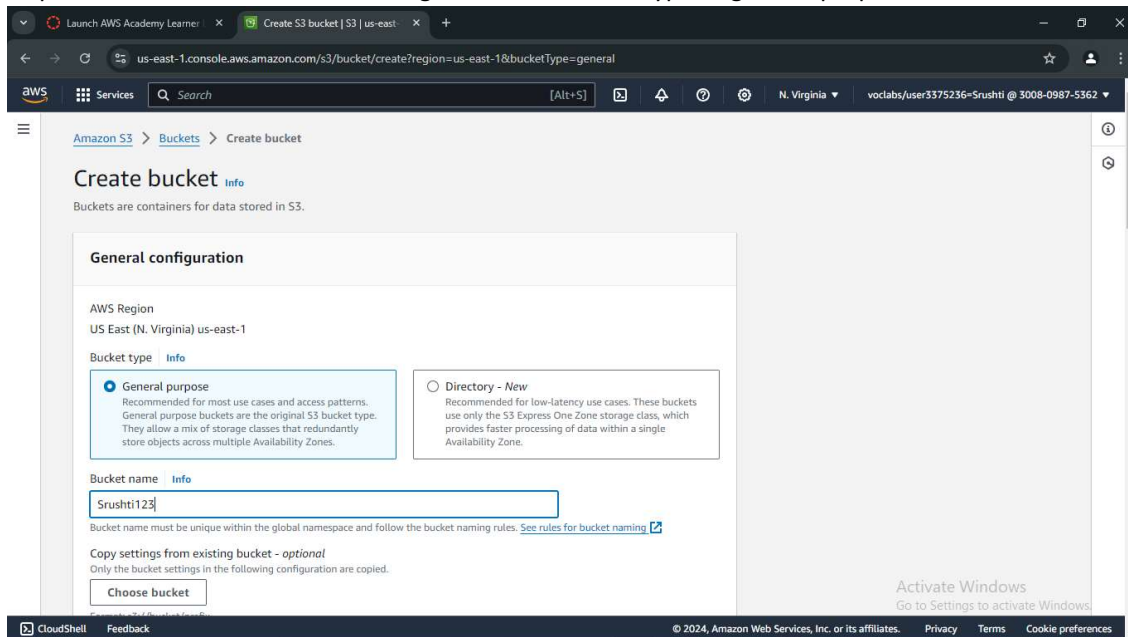
Step 1:Login in to your account and search for VPC in Services



Step 2: Click on Create bucket. It will store the objects in S3.



Step 3: Give the name for bucket being create and bucket type as general purpose.



Step 4: Select ACLs enabled object ownership.

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

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.

⚠ We recommend disabling ACLs, unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy instead of ACLs to share data with users outside of your account simplifies permissions management and auditing.

Object Ownership

☒ **Bucket owner preferred**
If new objects written to this bucket specify the bucket-owner-full-control canned ACL, they are owned by the bucket owner. Otherwise, they are owned by the object writer.

☐ Object writer

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Step 5: Remove Block all public access settings. It results that objects in the bucket are public. Step

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

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.

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**

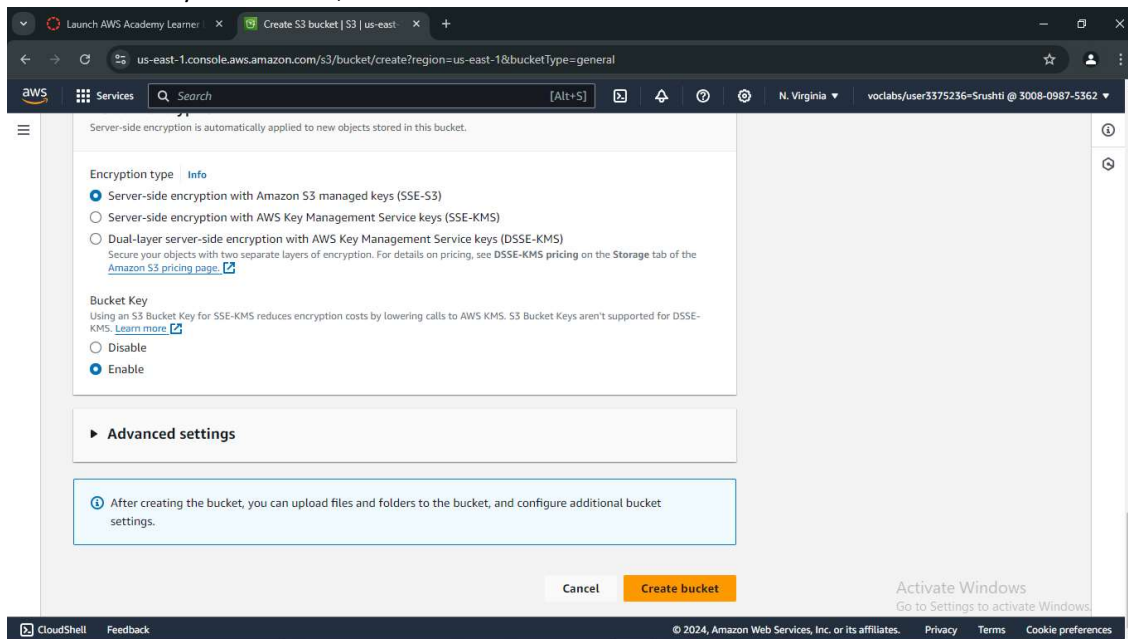
Tags - *optional* (0)

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

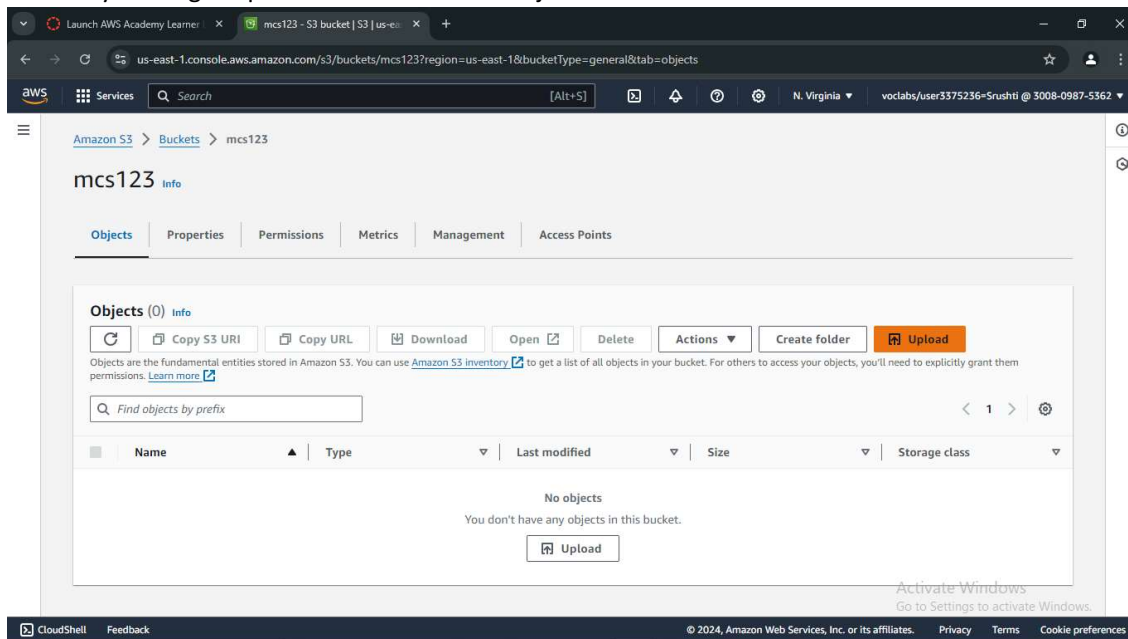
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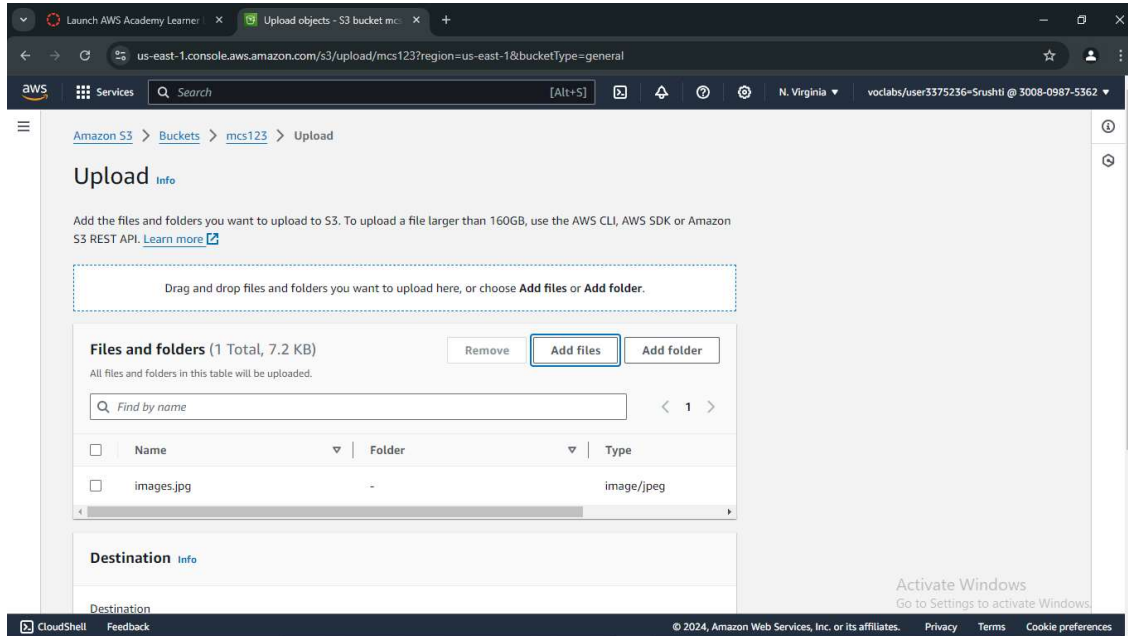
6: Choose encryption type as Server-side encryption with Amazon S3 managed keys (SSE-S3) and select bucket key enable. Then, Click -> Create bucket.



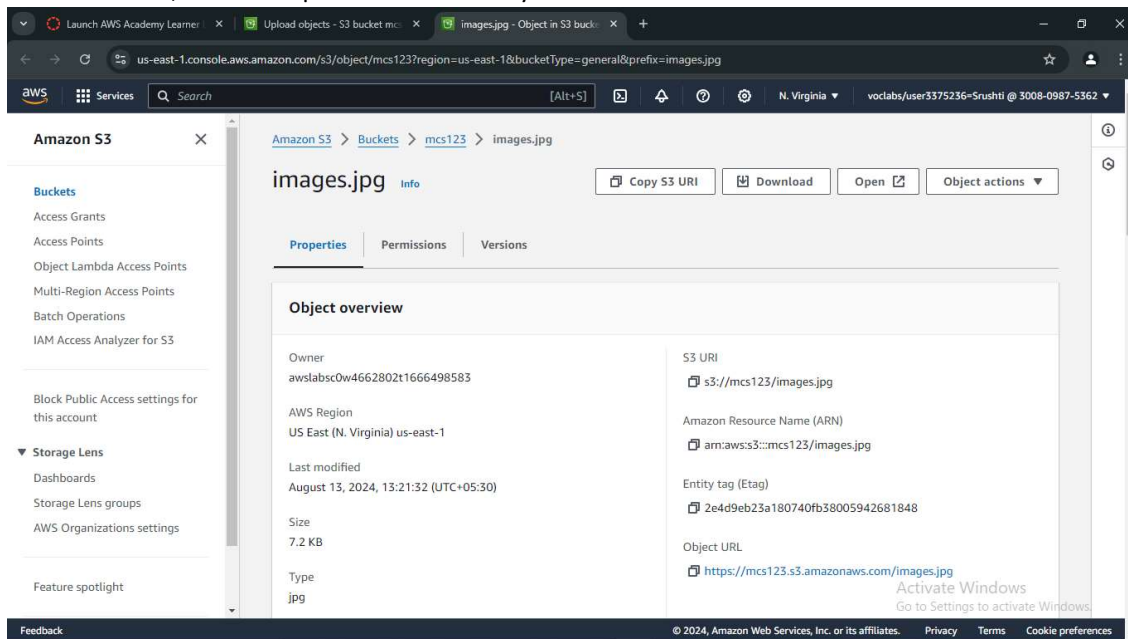
Step 7: Under bucket, you will see snehal34 bucket is created. We don't have any object in that bucket. By clicking -> Upload we can store the object.



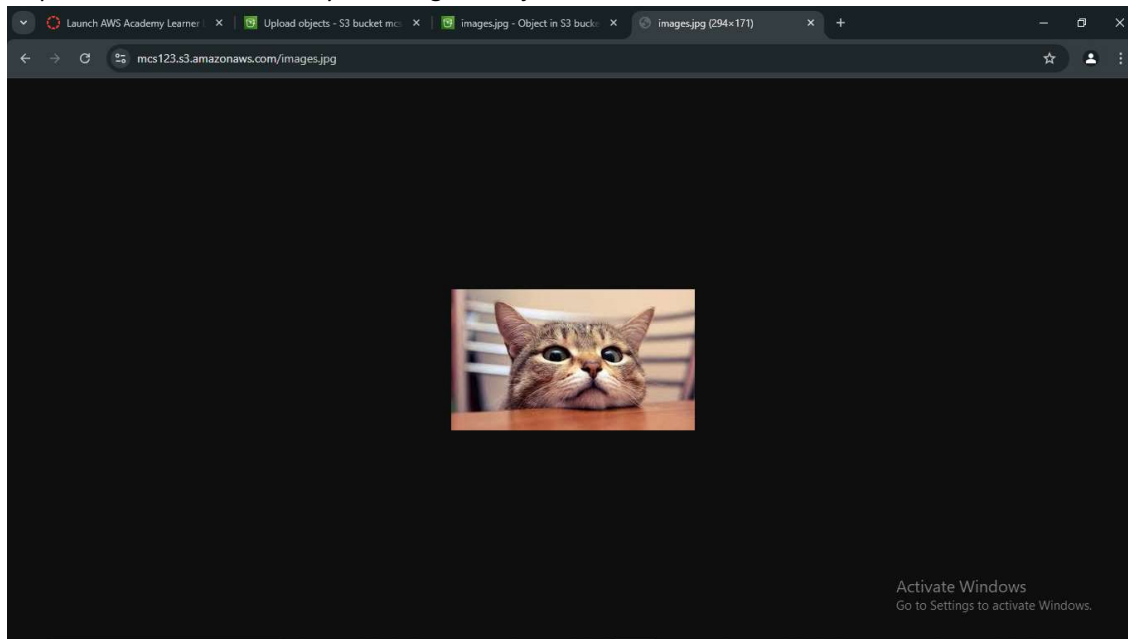
Step 8: After that we can upload our file by clicking->Add files. Here, I uploaded a simple image file.



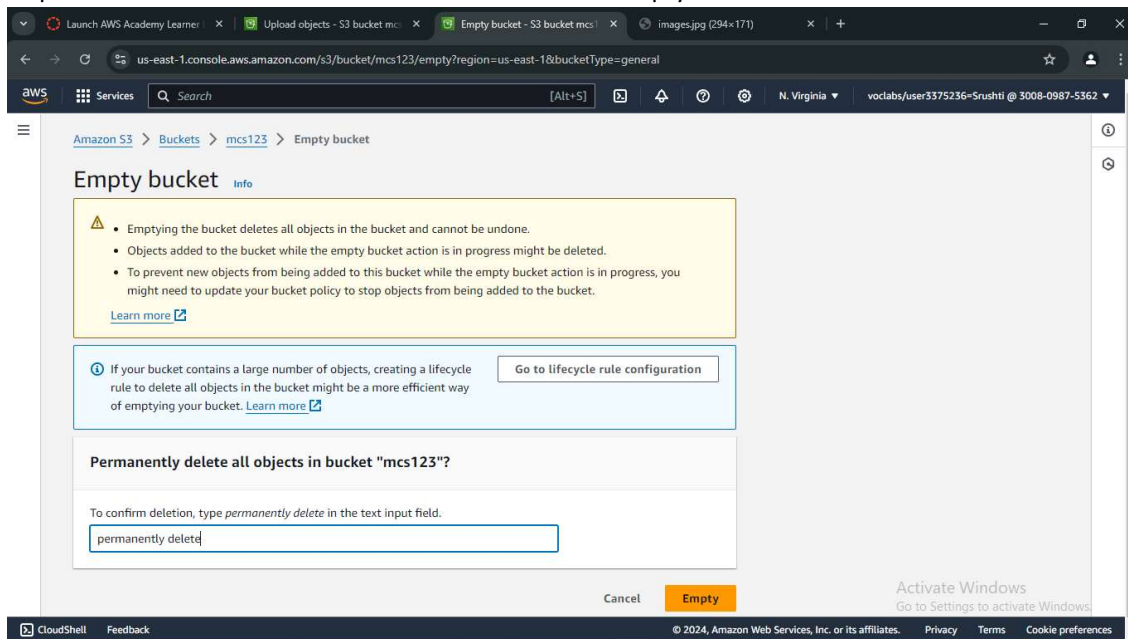
As we see here, our file is uploaded successfully.



Step 9: We can retrieve a file by selecting our object under files and folders of our bucket



Step 10: Now we delete the bucket before that we first empty the bucket and then delete it.



Here,we see our bucket is deleted.

