

## 2. S3 Storage Fundamentals Lab:

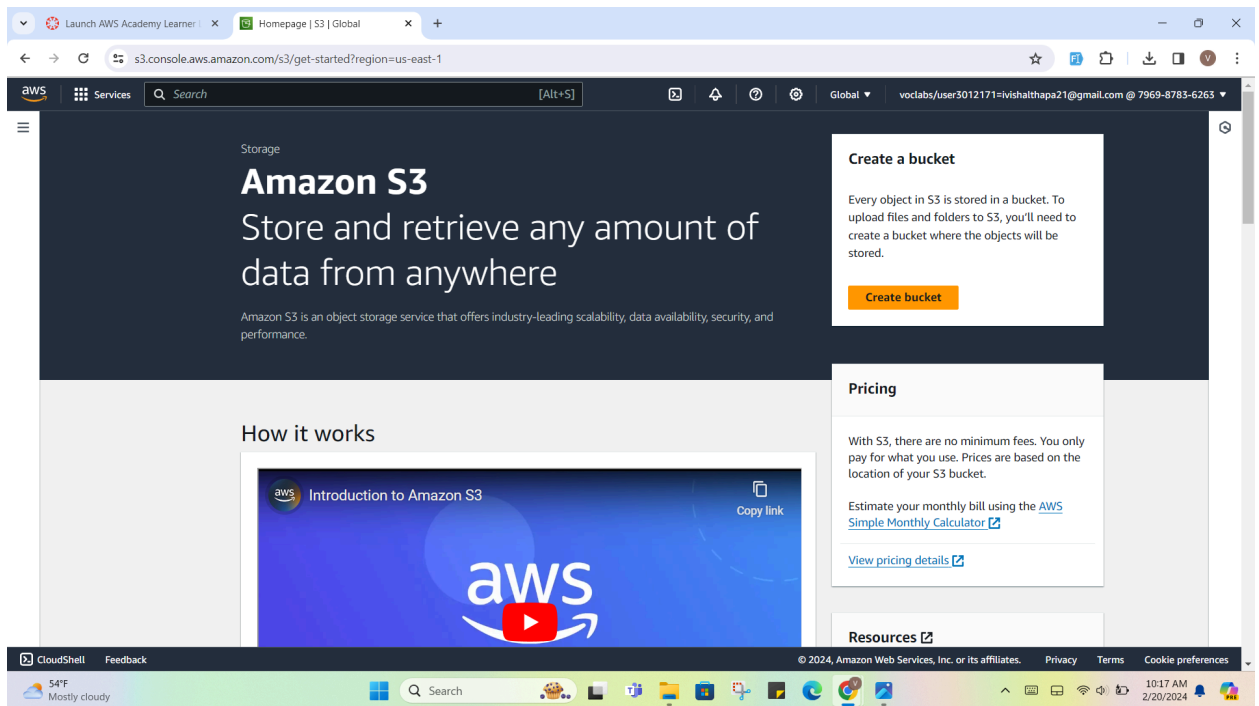
### Objective:

The objective of this lab is to gain hands-on experience with Amazon S3 by performing basic storage operations. This includes creating an S3 bucket, uploading files to it, and setting up bucket policies for access control. Additionally, the lab aims to familiarize students with the S3 management console, introduce them to object storage concepts, and help them understand the fundamental concepts of buckets and objects within S3.

### Steps involved:

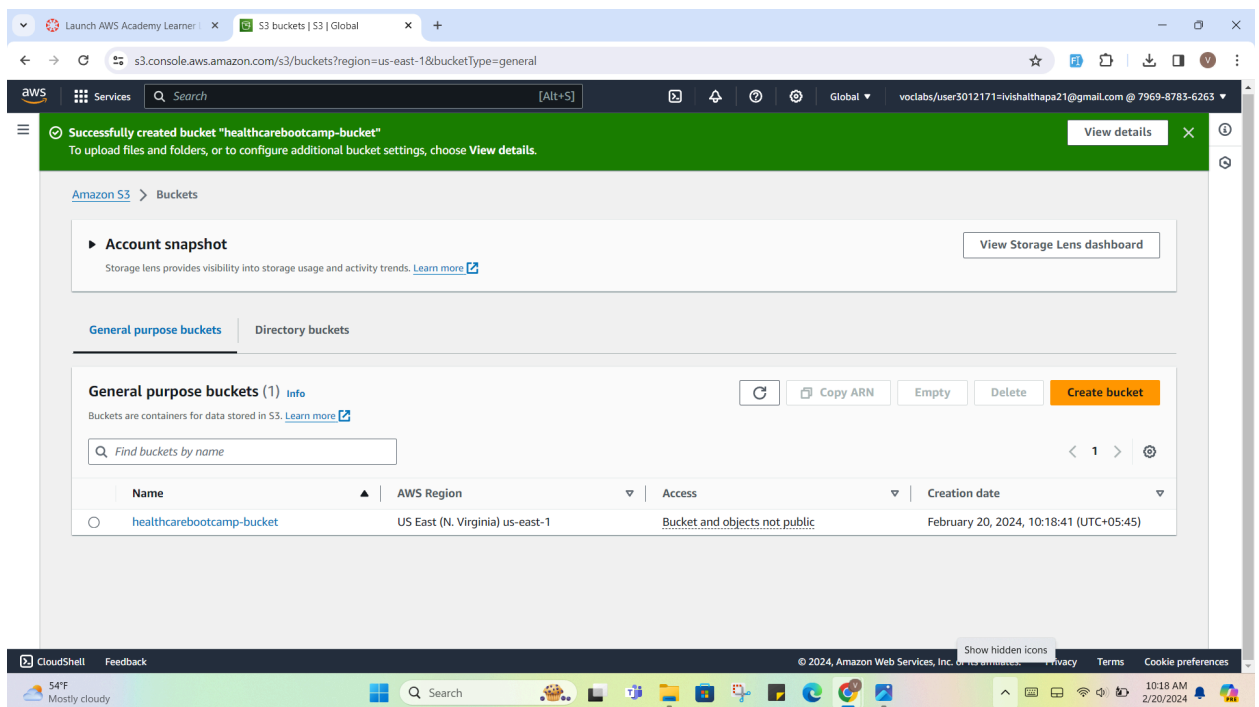
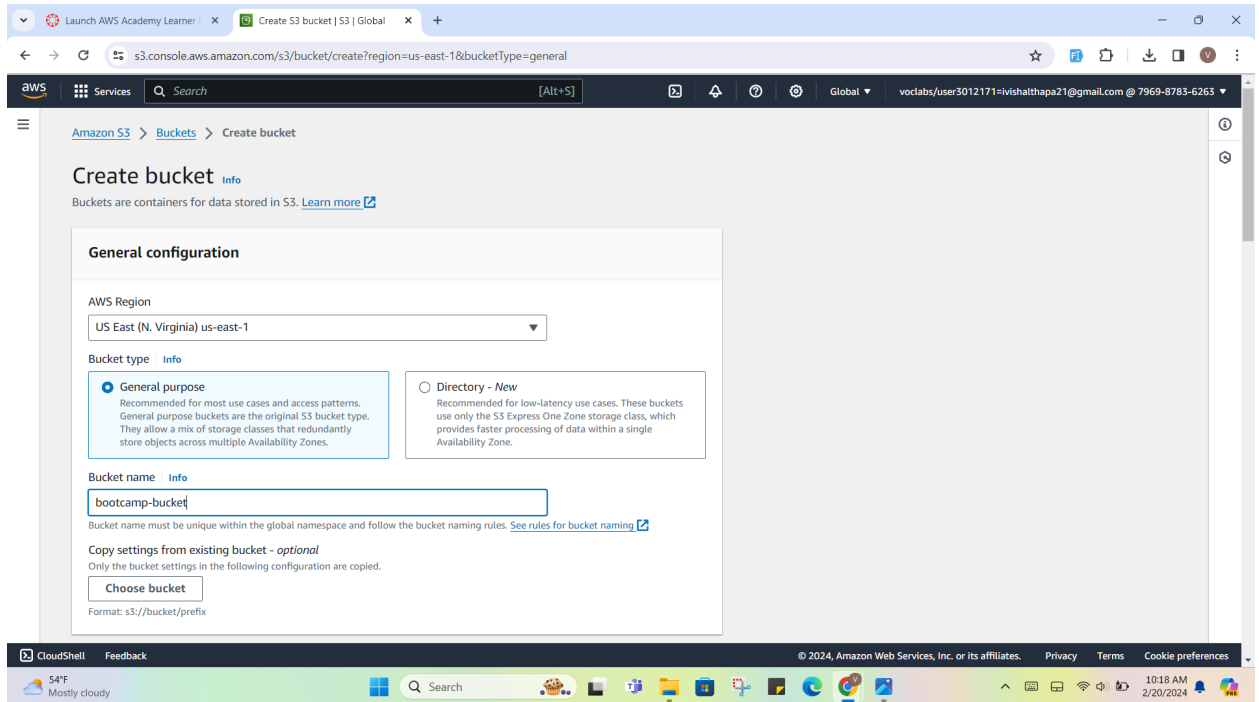
#### I. Navigate to the S3 Service:

- a. Navigate to S3 service by typing “S3” in the search bar or selecting it from the list of services.



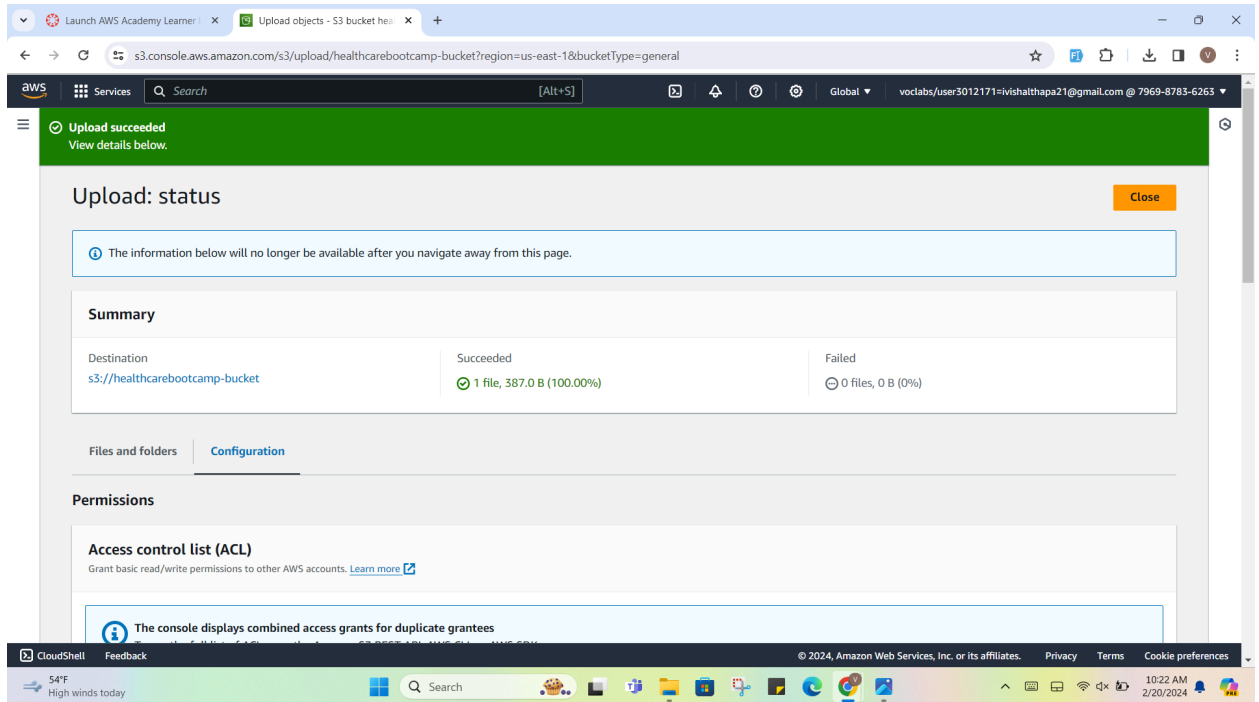
#### II. Create a Bucket:

- a. Click on “Create Bucket” button
- b. Since the bucket names must be globally unique across all of AWS, I chose a unique name for the bucket.
- c. Select the region where we want our bucket
- d. Optionally, we can configure additional settings such as versioning, logging and encryption.
- e. Click on the “Create bucket” button to create a bucket.



### III. Upload files to the bucket:

- Once the bucket is created, click on its name to open it.
- Click on "Upload" button
- we can set permissions and metadata for the uploaded files (Optional)
- Click on the "upload" button to upload your files to the bucket.



#### IV. Set up Bucket policies for Access Control:

- Navigate to the “Permissions” tab
- Click on “Bucket Policy” button
- Write or paste your desired bucket policy using the JSON syntax. This policy will define who can access the objects in your bucket and what actions they can perform.

