# **Creating S3 Buckets with Versioning and Encryption**

#### Introduction

In this lab, we will be creating an S3 bucket with versioning and encryption.

# **Lab Diagram**

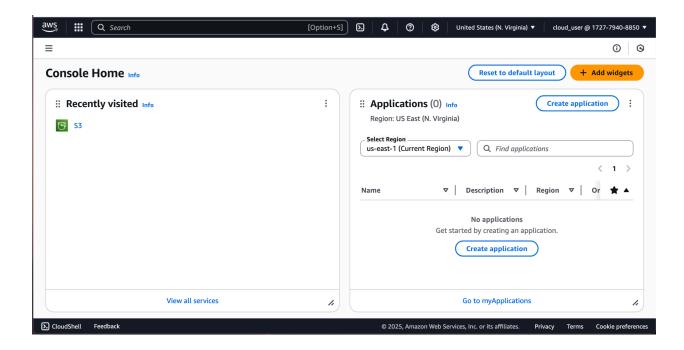


### **Objective**

- 1.Logging AWS console and creating S3 bucket.
- 2.Upload a file to the bucket.
- 3. Upload Second version of the file.

#### Solution

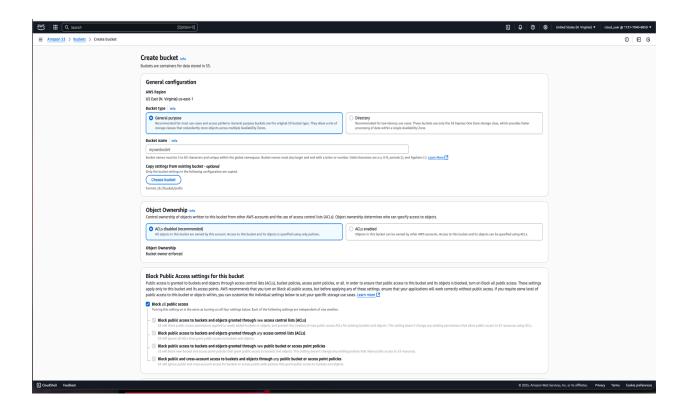
Log in to the AWS Management Console using the credentials provided on the lab instructions page. Make sure you're using the us-east-1 Region.In the search bar on top of the console, enter S3.



### 2.Create an S3 Bucket

- From the search results, click S3
- Click Create bucket.
- On the Create bucket page, set the following parameters:
- In Bucket name, enter a globally unique name.
- Leave ACLs disabled (recommended) selected.

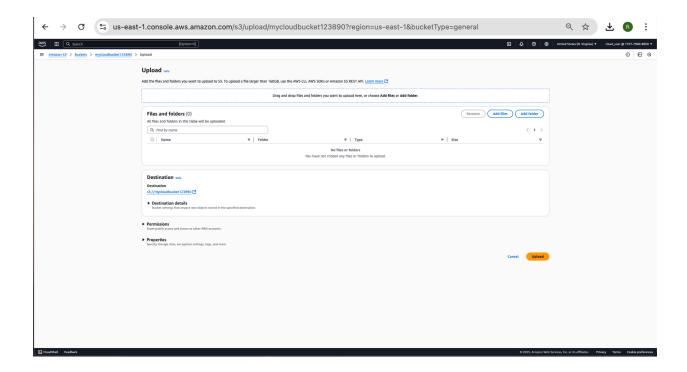
- Leave Block all public access selected.
- In Bucket Versioning, select Enable.
- Click Create Bucket.
- Click the name of the bucket.
- Click the Properties tab.
- Review the information to check that bucket versioning is enabled and encryption has been applied.

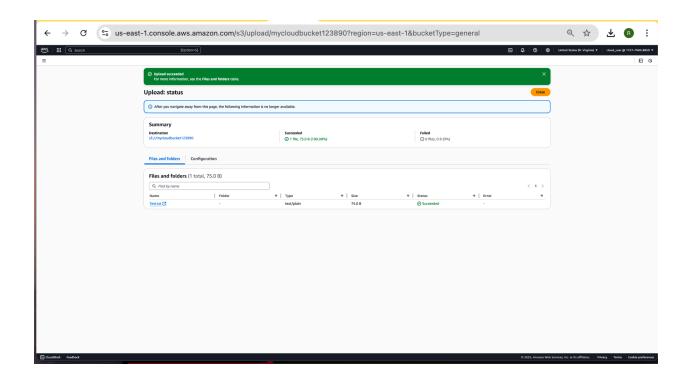


### 3. Upload a File to the Bucket.

- In another browser tab or window, navigate to the GitHub repository for the lab: https://github.com/linuxacademy/content-aws-essentials.
- Click Code.
- Click Download ZIP.
- Unzip the file on your computer. In the S3 folder, you should see the Test.txt file we will use in this lab.
- Click the Objects tab.
- Click Upload.
- Click Add files.

- Navigate to the folder where you downloaded your Test.txt file, and click on the file.
- Click Open. Alternatively, you can drag and drop the file into the console.
- Click Upload.
- Once the upload is complete, click Close.





## **Upload Second Version of the Same File**

- On your computer, open the Test.txt file in a text editor program, such as Notepad, and change the text in the file.
- Save the changed file.
- Return to the console showing our new bucket.
- Click Upload.
- Click Add files.
- Navigate to the folder where you saved the changed Test.txt file, and click on the file.
- Click Open.
- Click Upload.

Once the upload is complete, click Close. Click the checkbox next to the Test.txt file in the bucket and click the Open button. It should open in a new tab and show the new text that you entered into the file.

Return to the bucket and click on the Test.txt file.Click on the Versions tab.

- Click the checkbox next to the earlier version of the file, and then click Download.
- Click the Objects tab.
- Click Add files.
- Navigate to the folder where you downloaded your Test.txt file, and click on the file
- Click Open. Alternatively, you can drag and drop the file into the console.
- Click Upload.
- Once the upload is complete, click Close.
- Click the checkbox next to the Test.txt file in the bucket and click the Open button. It should open in a new tab and show the previous version of the text before it was edited.