

Name: Prasad Deshpande

Enrollment Number: 243341024

MSC(CS) Part I

Cloud Computing Practical Assignment No 7

Create an S3 Bucket, Upload a file to S3 Bucket, Retrieve a File from S3 Bucket, Delete a File From S3 Bucket using AWS.

First of all open Virtual Lab. Then click on the Start Lab button. When the circle icon to the right of the AWS link in the upper-left corner turns green, it indicates that the lab environment is ready to use this we can see in Fig 1. To launch the AWS Management Console in a new tab, select the AWS link

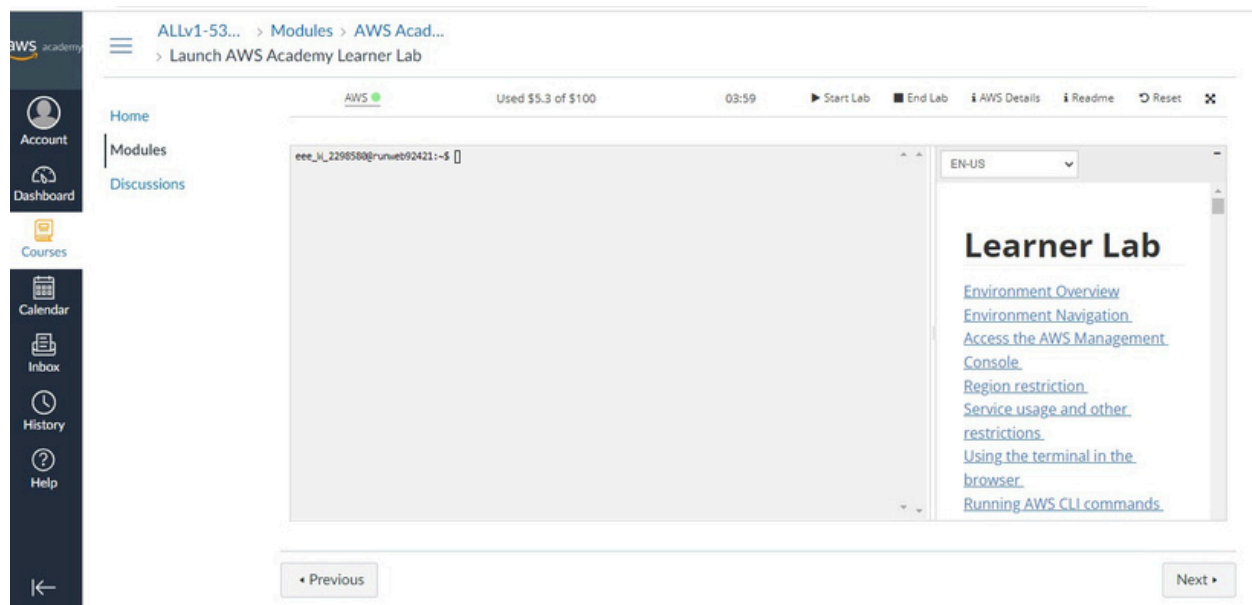


Fig 1

After clicking on "AWS" we get the console home as shown in Fig 2. Then click on "View All Services".

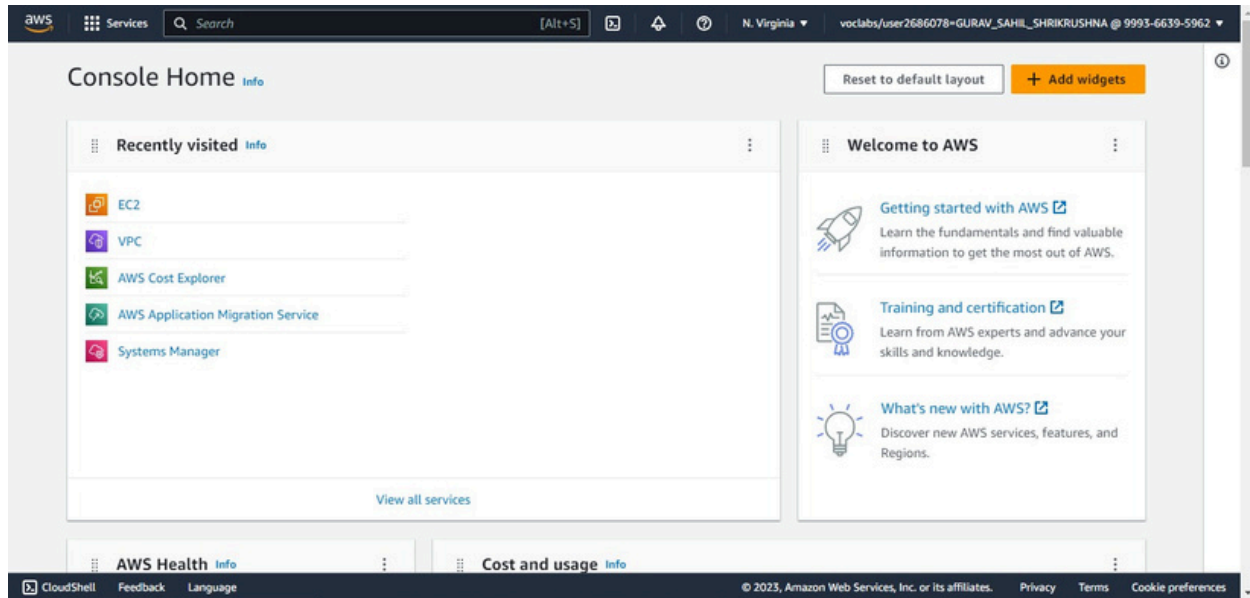


Fig 2

After clicking on "View All Services" we can see the services in Fig 3. In that select "S3" service.

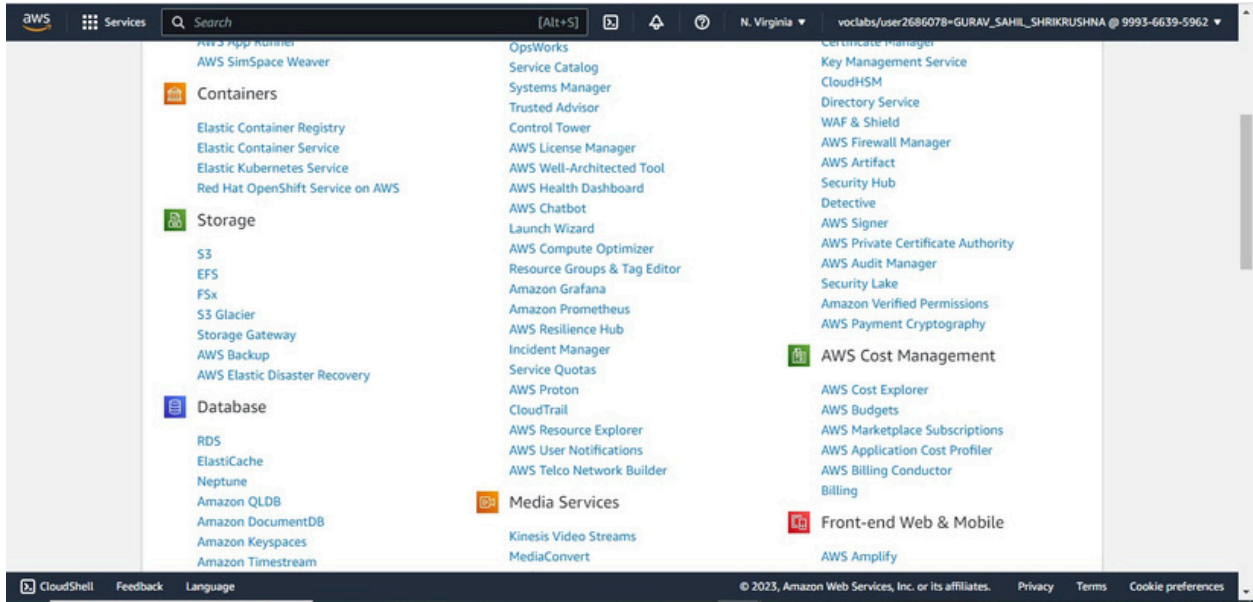


Fig 3

In Fig 4 we can see the Amazon S3 interface in which click “Create Bucket”.

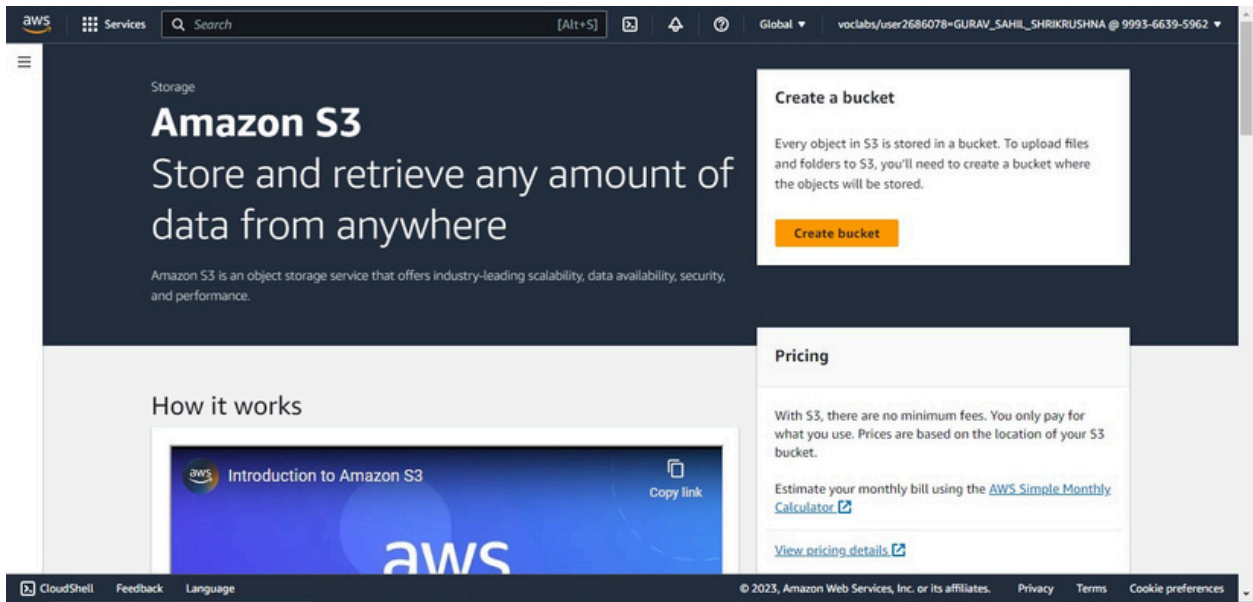


Fig 4

Name the bucket "sahil369" and select the AWS region "US East (N.Virginia)us-east-1" as shown in Fig 5.

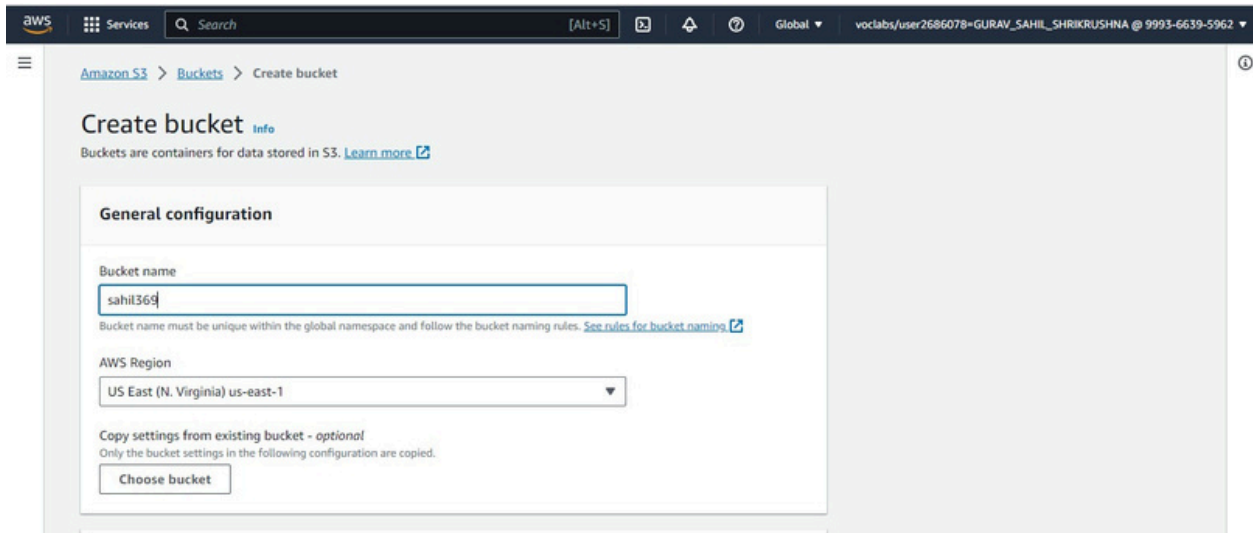


Fig 5

Object ownership determines who can specify access to objects. Select "ACL Enable" in Object Ownership. Select "Bucket owner preferred" in that as show in Fig 6. When "Bucket Owner Preferred" is enabled, the AWS account that uploaded the object becomes the owner of the object with full control over it, and can grant access to other users via ACL(Access Control Lists).

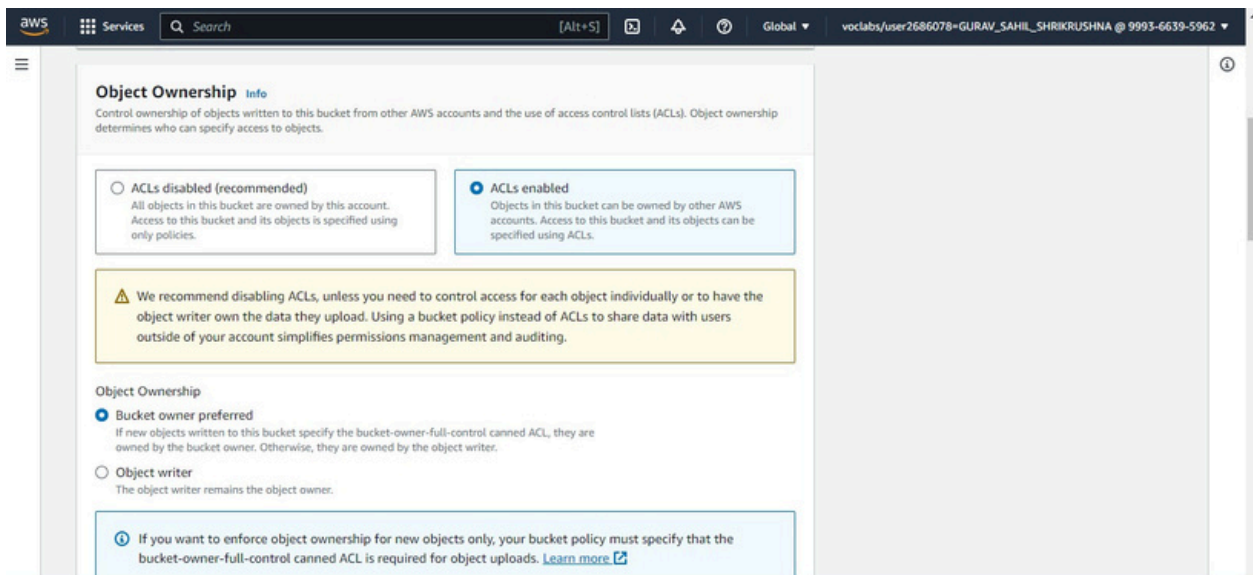


Fig 6

As shown in Fig 7, "Block public access settings for this bucket" is disabled.

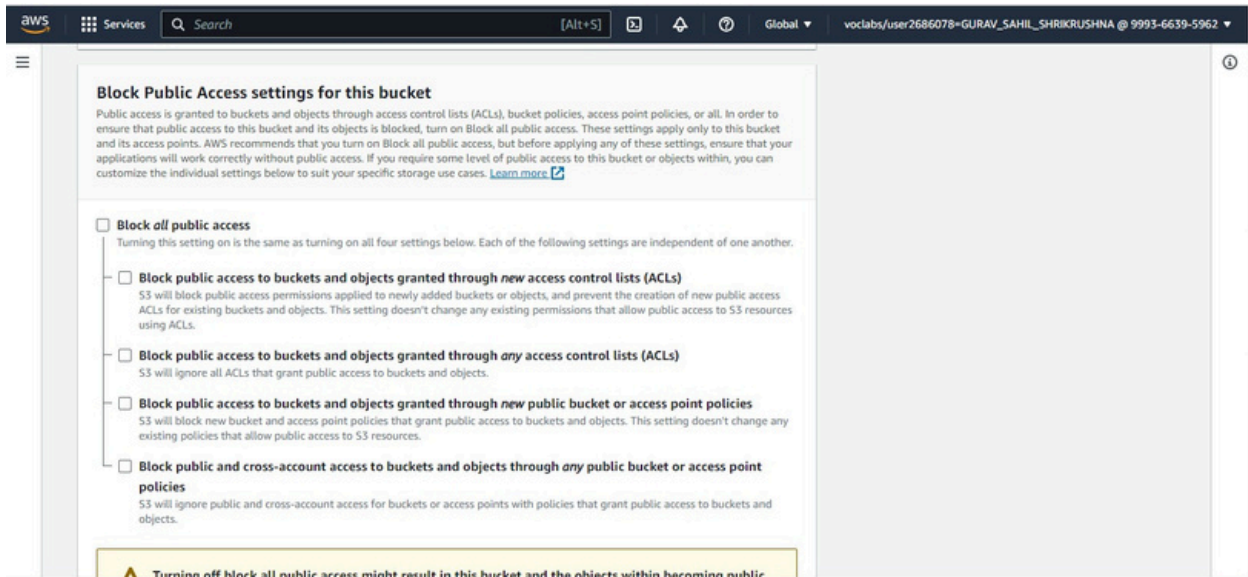


Fig 7

Keep "Bucket Versioning" disable as shown in Fig 8.

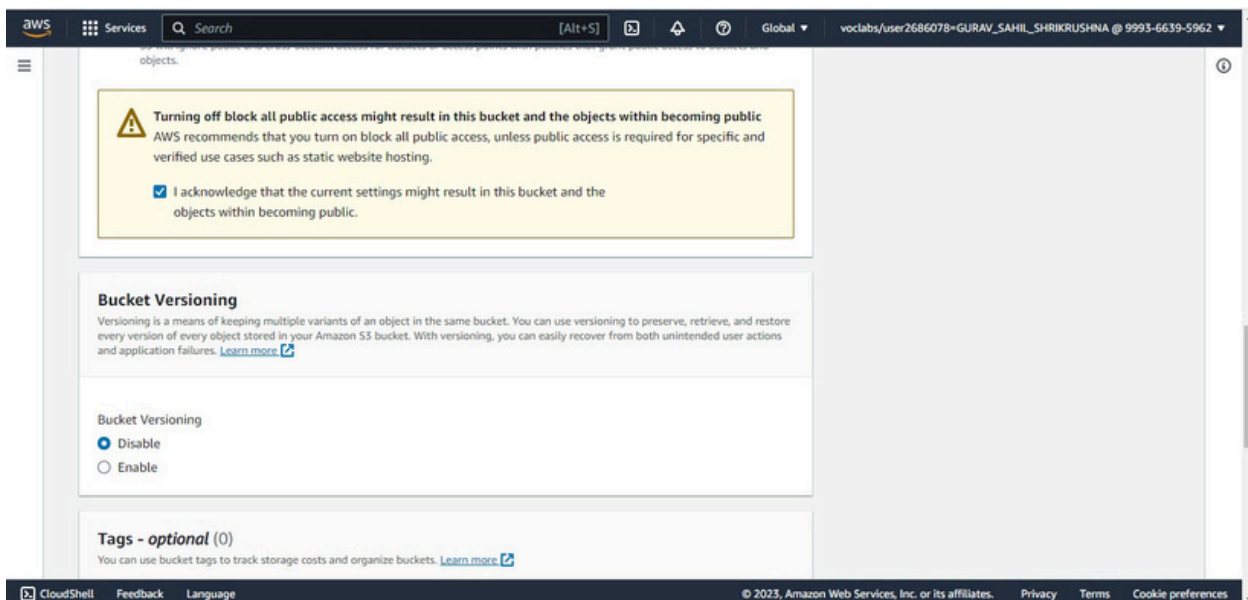


Fig 8

Keep the default encryption as shown in Fig 9 and enable "Bucket Keys".

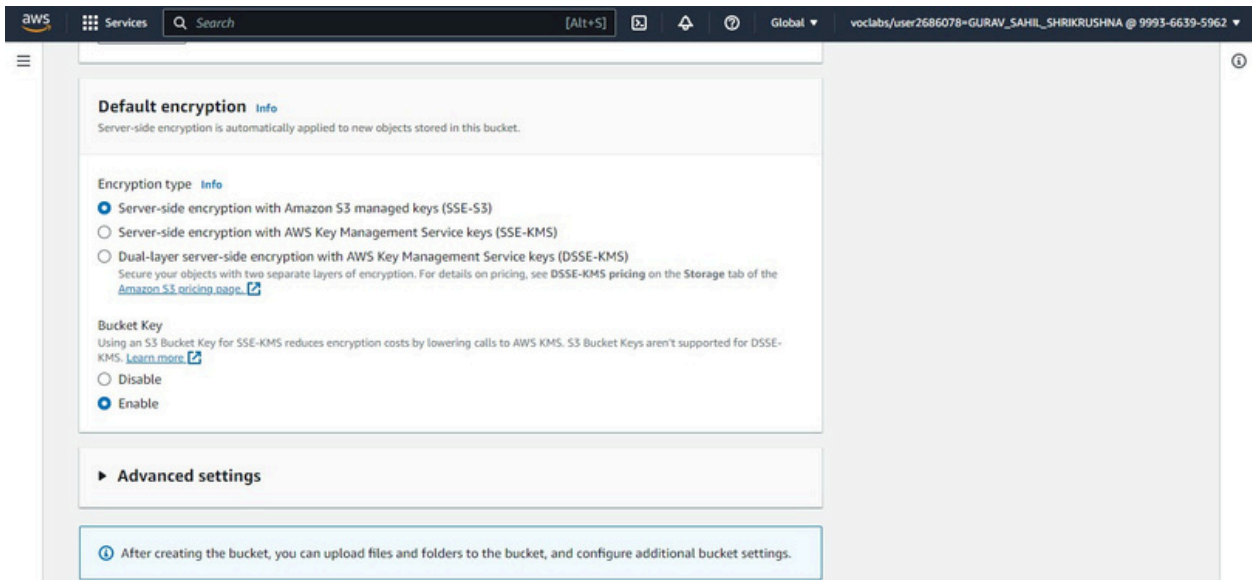


Fig 9

In Fig 10 we can see that the bucket has been created successfully. Then select Bucket and click on that bucket.

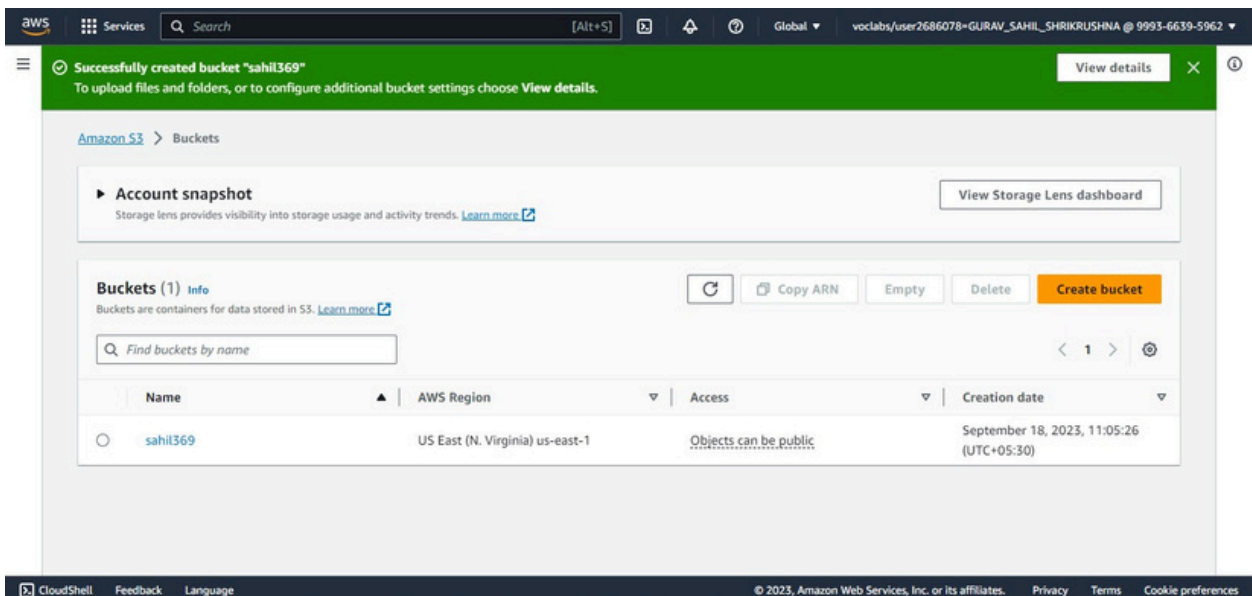


Fig 10

After clicking on Create Bucket we get the interface as shown in Fig 11. Then click on the "Upload" button and upload one image.

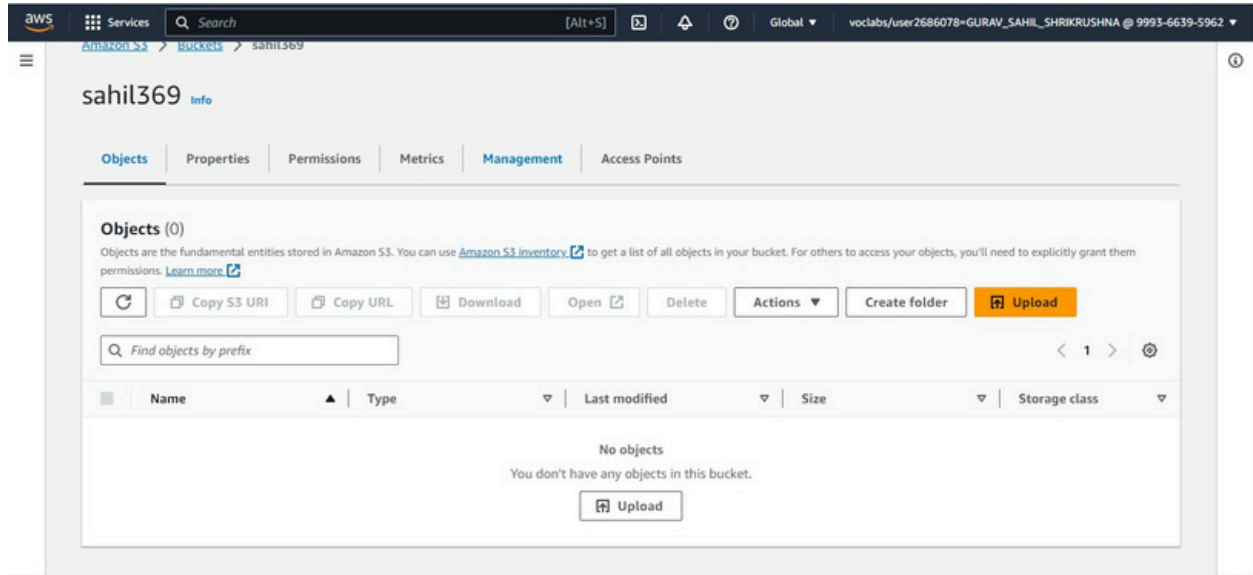


Fig 11

In Fig 12 we see that the image file has been uploaded

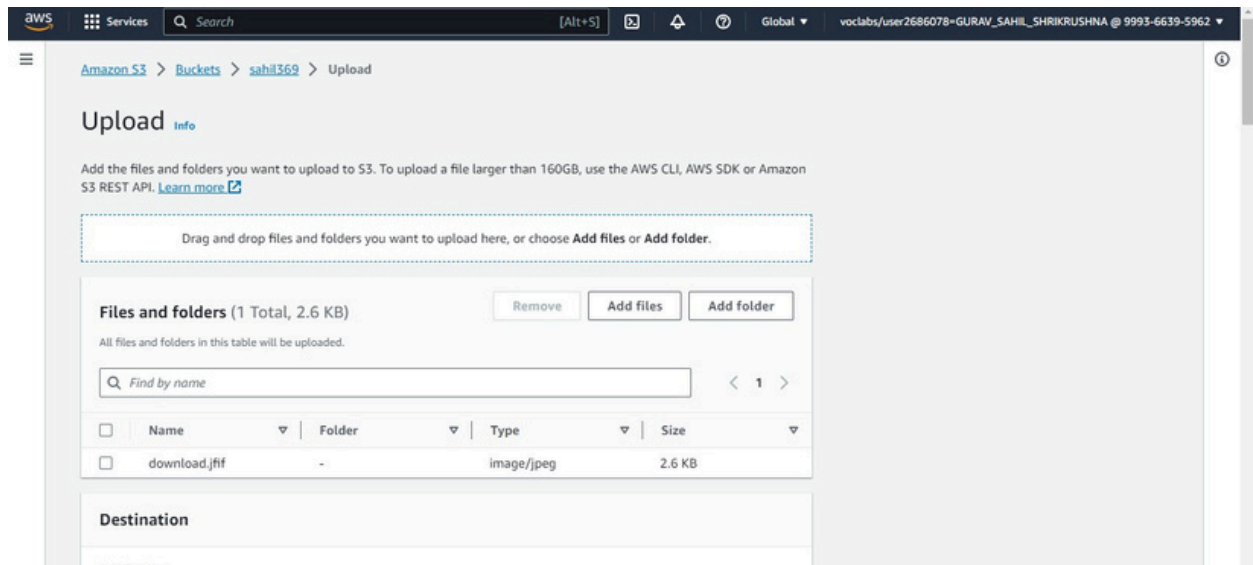


Fig 12

Then select “Choose from predefined ACLs” in the Access Control List (ACL) as shown in Fig 13.

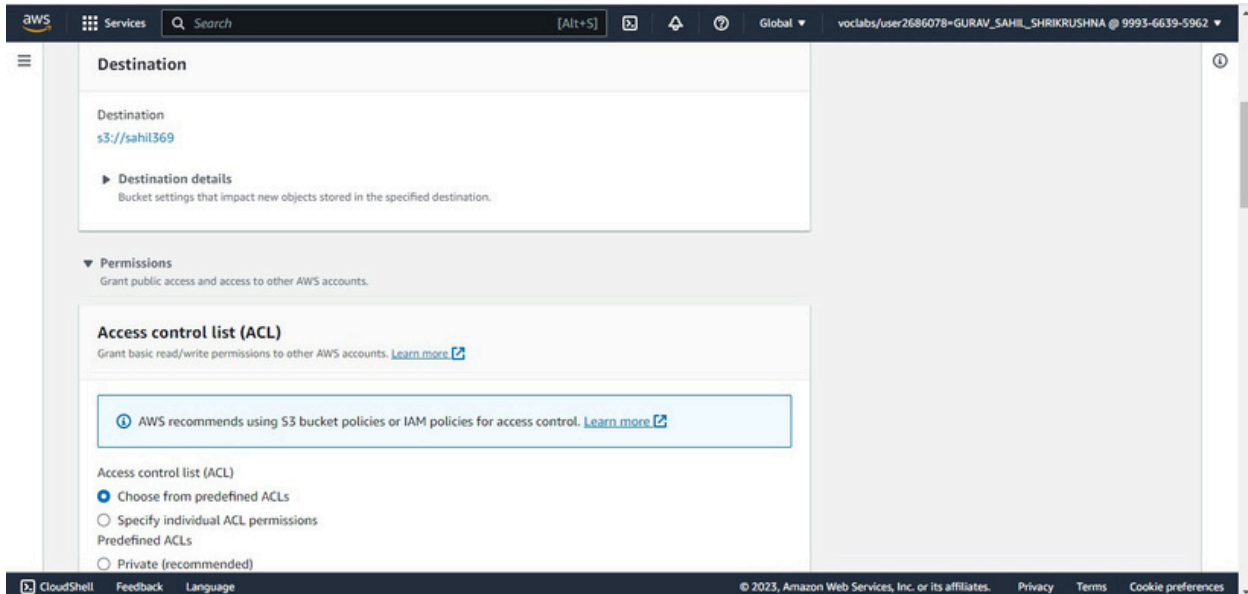


Fig 13

Select "Grant public-read access" in the predefined ACL, as shown in Fig 14.

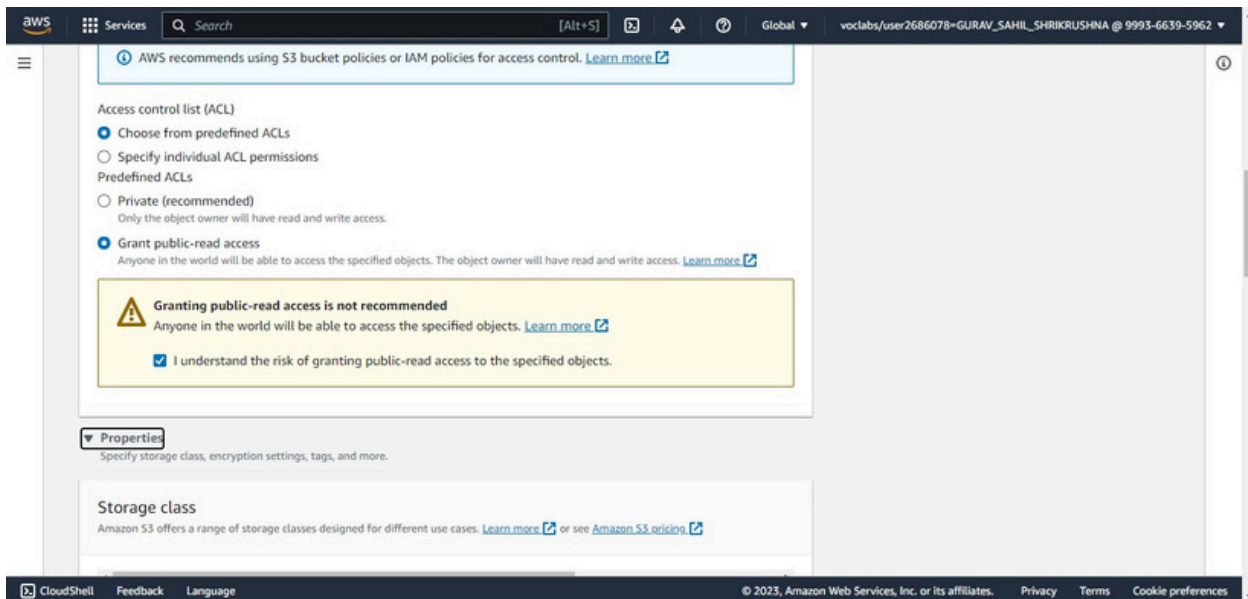


Fig 14

In other keep it as it is and click on “Upload” button as shown in Fig 15

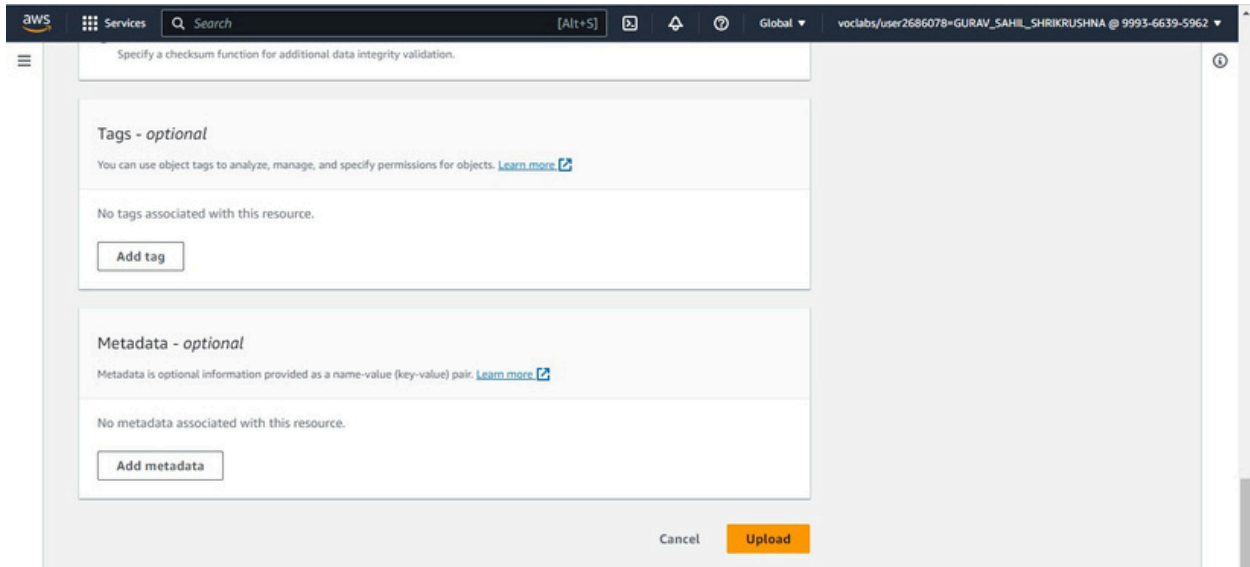


Fig 15

In Fig 16 we see that the image has been uploaded successfully.

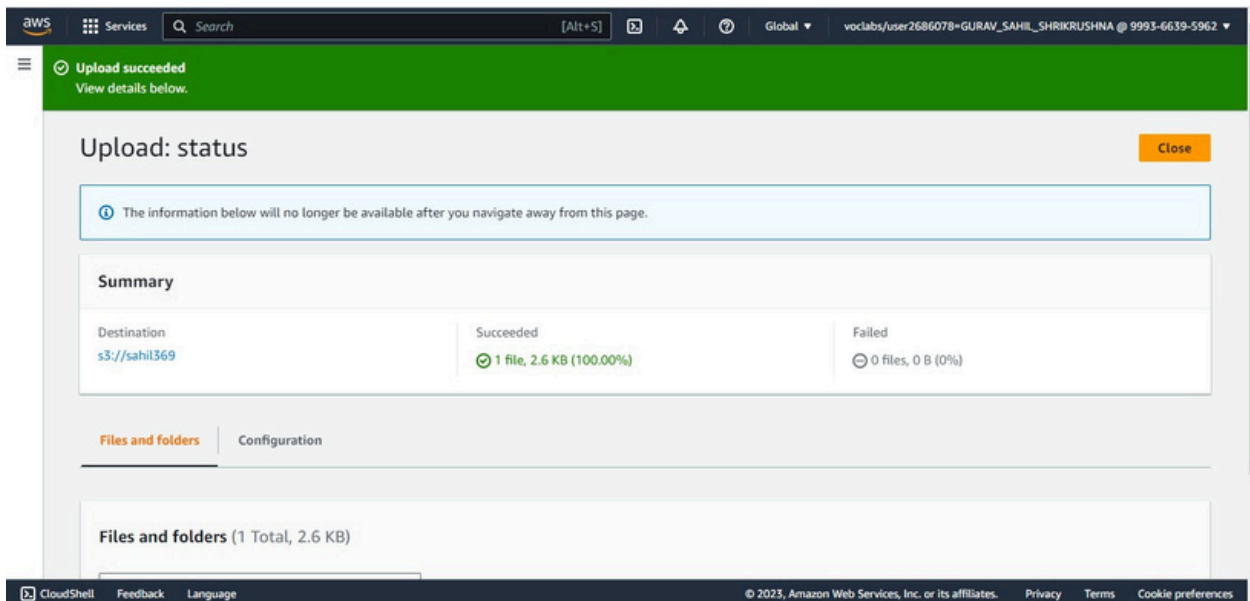


Fig 16

Then open the created bucket and select the uploaded image in it as shown in Fig 17. Then click on selected image.

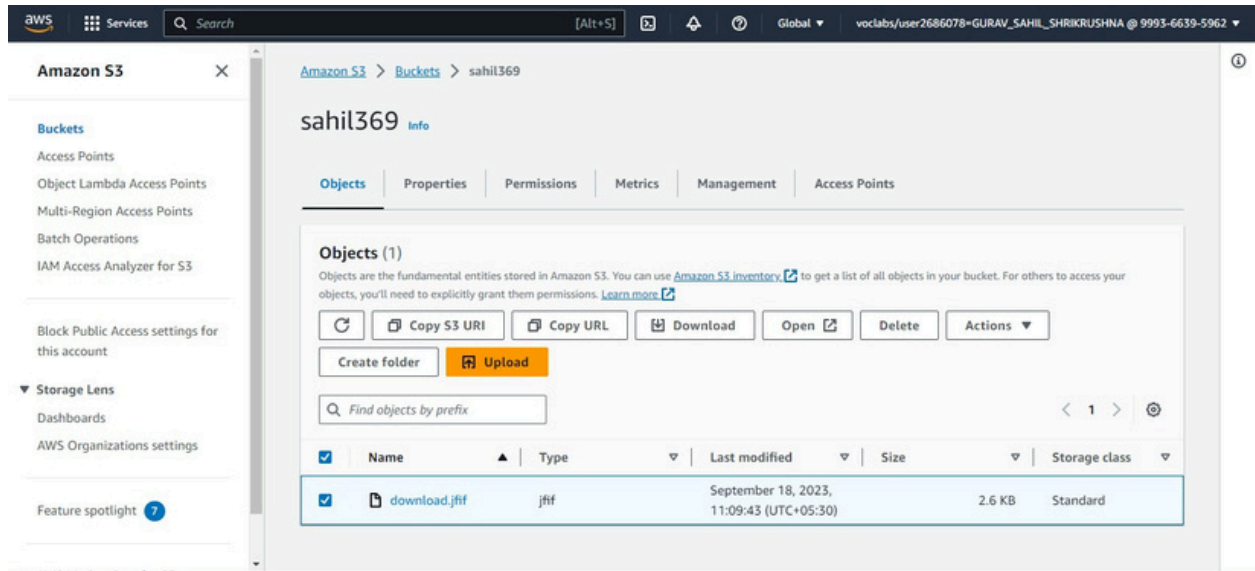


Fig 17

After clicking on the image we get the interface as shown in Fig 18, copy the "Object URL" in it and paste it on the new tab in the browser.

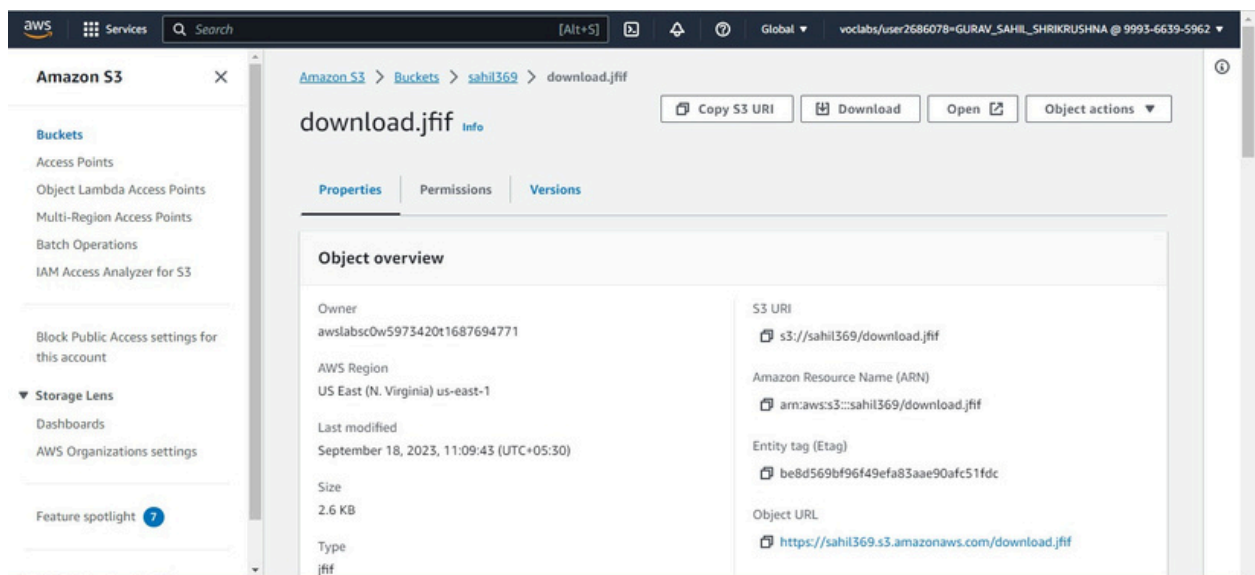


Fig 18

In Fig 19 we can see the uploaded image

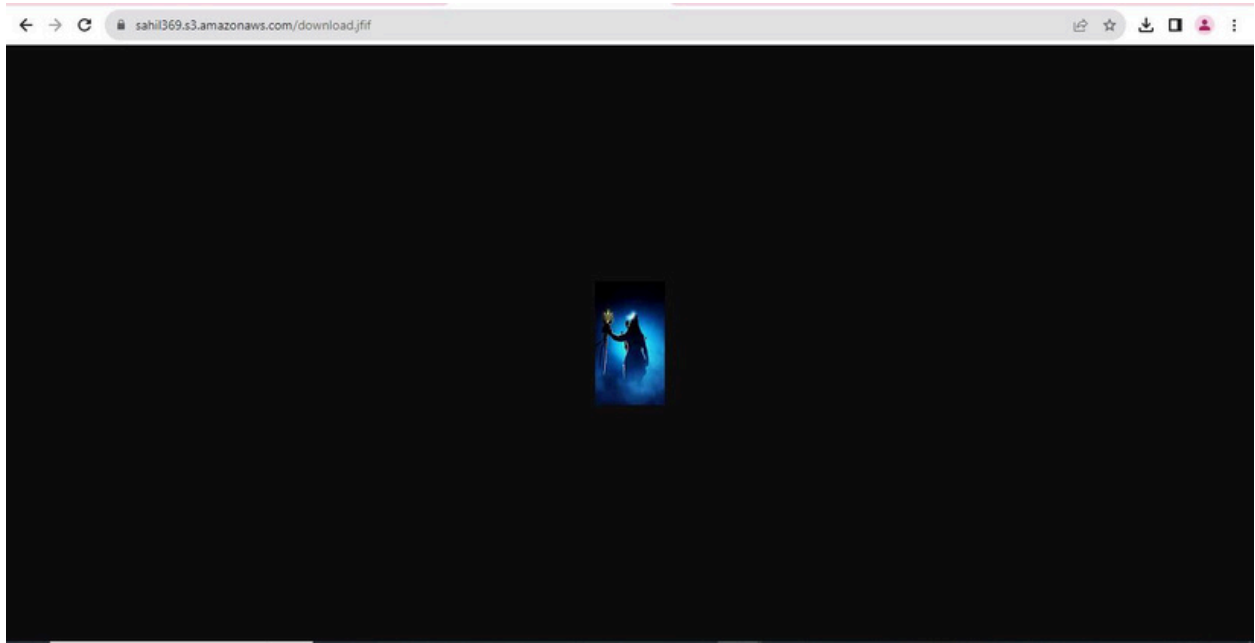


Fig 19