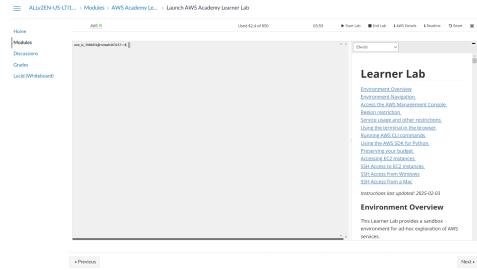
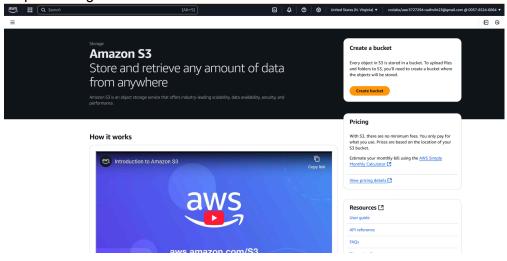
Experiment 3 : Create and configure storage services and upload files and objects using Amazon EBS, Amazon EFS and Amazon S3

Step 1: Login into the AWS learners lab



Step 2: Navigate to the S3 Bucket Section and Click on Create new Bucket

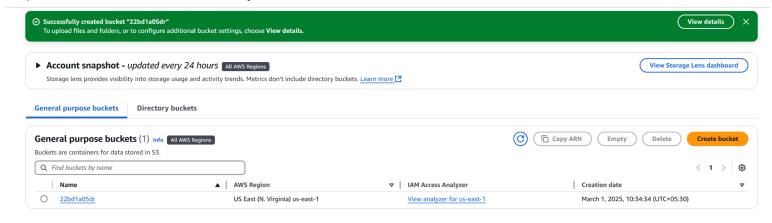


Step 3: In General Configuration select General purpose and give name to the bucket



ep 4 : In the Object Ownership section select ACLs enabled	
<b>Object Ownership</b> Info Info ontrol 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 obj simplifies permissions management and auditing.	ect writer own the data they upload. Using a bucket policy instead of ACLs to share data with users outside of your account
bject 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. Other  Object writer  The object writer remains the object owner.	wise, they are owned by the object writer.
① If you want to enforce object ownership for new objects only, your bucket policy must specify that the bucket-o	owner-full-control canned ACL is required for object uploads. Learn more [2]
	ies, or all. In order to ensure that public access to all your S3 buckets and 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 accequire some level of public access to your buckets or objects within, you can customize the individual settings below  Block all public access	cess, but before applying any of these settings, ensure that your applications will work correctly without public access. If yow to suit your specific storage use cases. Learn more [?]
Turning this setting on is the same as turning on all four settings below. Each of the following settings are indep  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 public access to S3 resources using ACLs.  Block public access to buckets and objects granted through any access control lists (ACLs)	of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow
53 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 properties.	
Block public access to buckets and objects granted through new public bucket or access public bucket or access public bucket and access point policies that grant public access to buckets and objects. This setting block public and cross-account access to buckets and objects through any public bucket o	ing doesn't change any existing policies that allow public access to S3 resources.  r access point policies
■ Block public access to buckets and objects granted through new public bucket or access pust will block new bucket and access point policies that grant public access to buckets and objects. This setti Block public and cross-account access to buckets and objects through any public bucket of S3 will ignore public and cross-account access for buckets or access points with policies that grant public access for buckets or access points with policies that grant public access to buckets or access points with policies that grant public access to buckets or access points with policies that grant public access to buckets or access points with policies that grant public access to buckets and objects.	ing doesn't change any existing policies that allow public access to S3 resources.  r access point policies
Block public access to buckets and objects granted through new public bucket or access public bucket or access public bucket and access point policies that grant public access to buckets and objects. This settle Block public and cross-account access to buckets and objects through any public bucket or S3 will ignore public and cross-account access for buckets or access points with policies that grant public accept 6: Enable Bucket Versioning  Bucket Versioning	ing doesn't change any existing policies that allow public access to S3 resources.  r access point policies
Block public access to buckets and objects granted through new public bucket or access public block new bucket and access point policies that grant public access to buckets and objects. This setting Block public and cross-account access to buckets and objects through any public bucket of S3 will ignore public and cross-account access for buckets or access points with policies that grant public access will ignore public and cross-account access for buckets or access points with policies that grant public access points with policies that grant public accepts a public accepts with policies that grant public accepts and ignored public accepts and objects through new p	ing doesn't change any existing policies that allow public access to S3 resources.  r access point policies cess to buckets and objects.
Block public access to buckets and objects granted through new public bucket or access pust will block new bucket and access point policies that grant public access to buckets and objects. This setting Block public and cross-account access to buckets and objects through any public bucket of S3 will ignore public and cross-account access for buckets or access points with policies that grant public access will ignore public and cross-account access for buckets or access points with policies that grant public access points wi	ing doesn't change any existing policies that allow public access to S3 resources.  r access point policies cess to buckets and objects.  ve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover
Block public access to buckets and objects granted through new public bucket or access py S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting Block public and cross-account access to buckets and objects through any public bucket or S3 will ignore public and cross-account access for buckets or access points with policies that grant public access will ignore public and cross-account access for buckets or access points with policies that grant public access points with policies that grant public accepts a public accepts of the pu	ing doesn't change any existing policies that allow public access to S3 resources.  r access point policies cess to buckets and objects.  ve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover





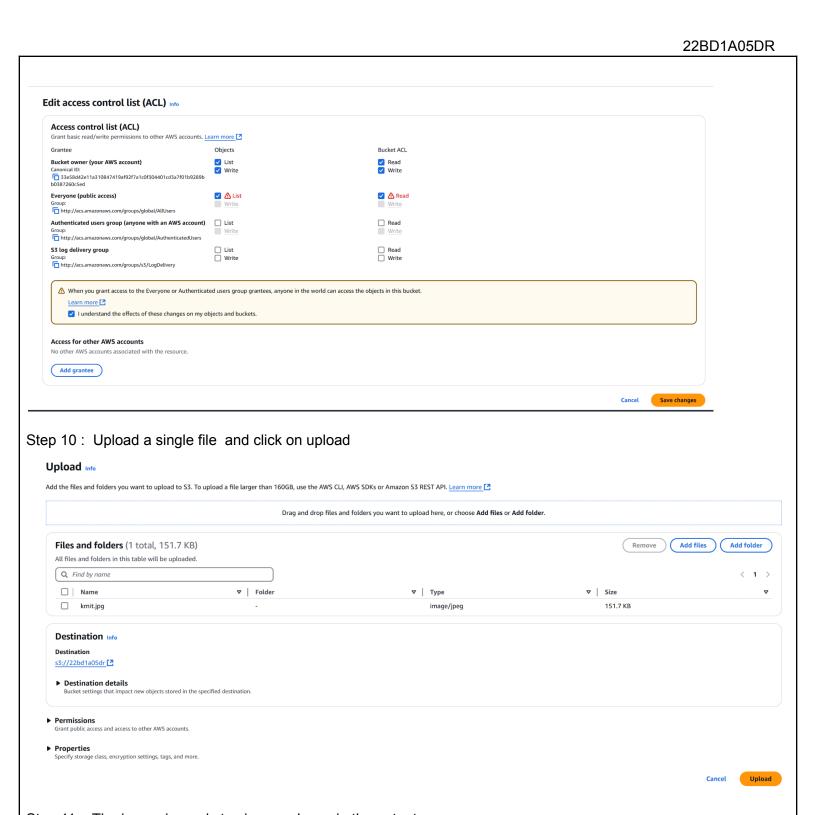
## Step 9: Edit Bucket Policy according to S3 bucket requirements

## Edit bucket policy Info

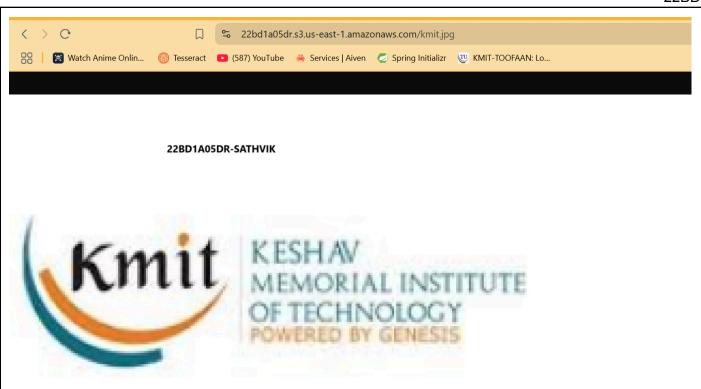
**Bucket policy** 

```
The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. Learn more [2]
Bucket ARN
arn:aws:s3:::22bd1a05dr
Policy
         "Id": "Policy1740805861126",
    2
         "Version": "2012-10-17",
    4 ▼ "Statement": [
    5 ▼
              "Sid": "Stmt1740805858293",
    6
    7 ▼
           "Action": [
    8
              "s3:GetObject"
    9
             ],
             "Effect": "Allow",
   10
   11
            "Resource": "arn:aws:s3:::22bd1a05dr/*",
            "Principal": "*"
   12
   13
           }
        ]
   14
  15 }
```

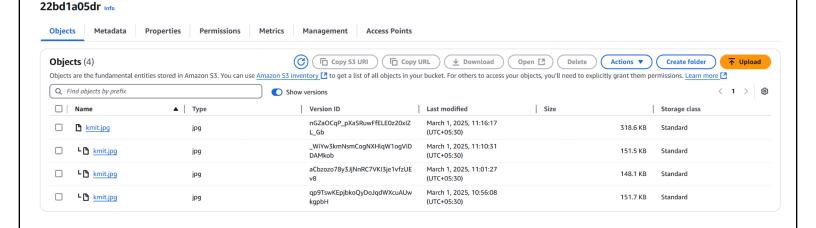
Step 9: Enable public access in the Edit access control list (ACL)



Step 11: The image is ready to view as shown in the output



Step 12: Upload 4 versions with the same name



Step 13: Give permission to the latest version image

