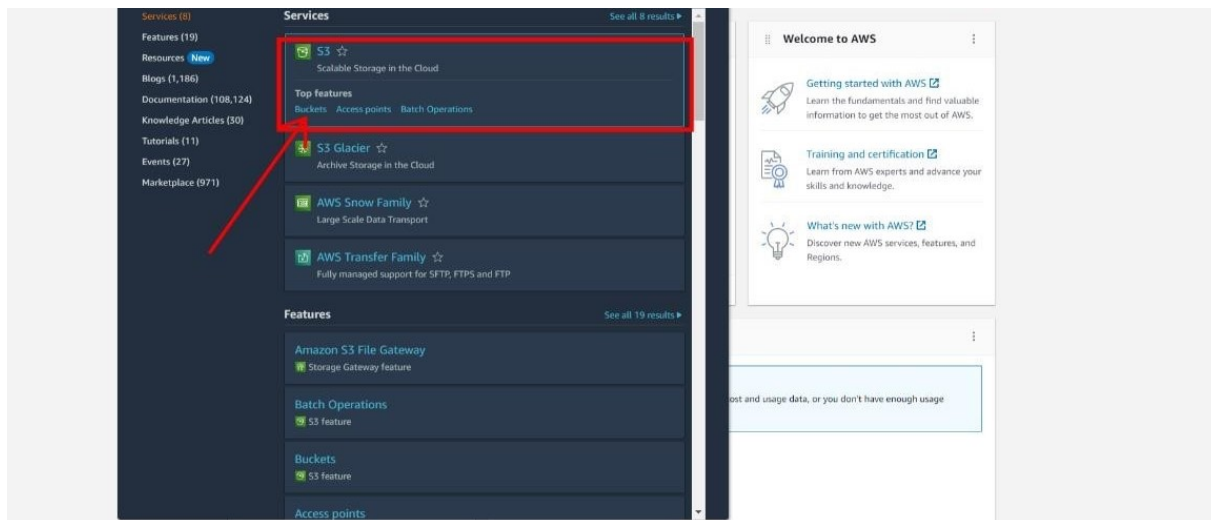


Assignment 4

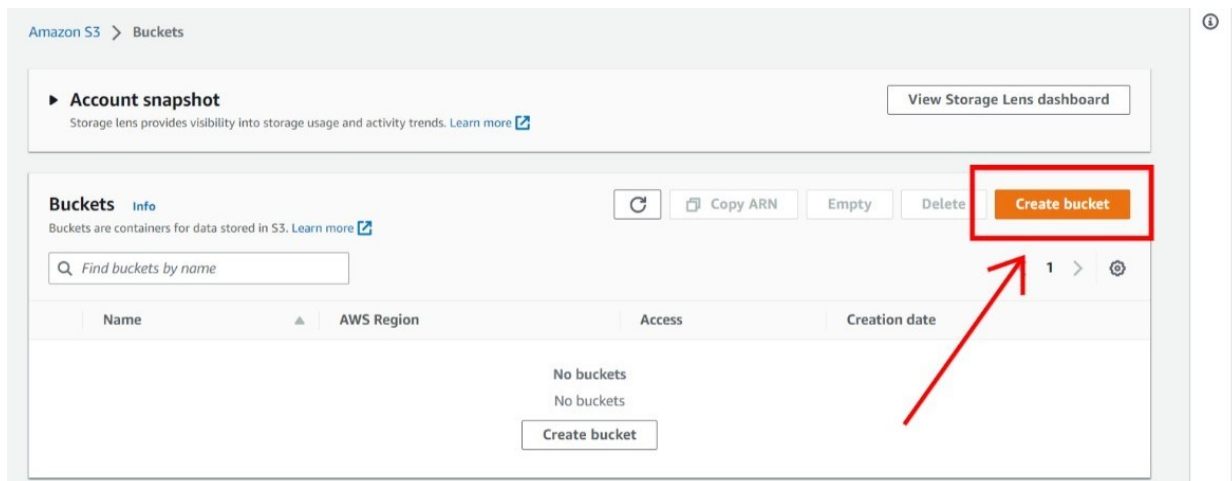
Create a private bucket in AWS. Upload a file and check by presign url that you can access the file or not.

Steps for creating an AWS account:

1. **Sign in.** Sign in as a root user. Provide username and password when prompted.
2. Search on the search bar **S3**. After that click on **bucket** in the **S3**.



3. Now click on **Create bucket**.



4. Give a **Unique** bucket name.

aws Services Search [Alt+S]

Amazon S3 > Buckets > Create bucket

Create bucket [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

General configuration

Bucket name

Dip12

Bucket name must be globally unique and must not contain spaces or uppercase letters. See rules for bucket naming [?](#)

AWS Region

Asia Pacific (Mumbai) ap-south-1

Copy settings from existing bucket - optional

Only the bucket settings in the following configuration are copied.

Choose bucket

5. Now click on **ACLs disable**.

aws Services Search [Alt+S]

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.

Object Ownership

Bucket owner enforced

Upcoming permission changes to disable ACLs

Starting in April 2023, to disable ACLs when creating buckets by using the S3 console, you will no longer need the `s3:PutBucketOwnershipControls` permission. [Learn more](#)

6. Now give the **Bucket versioning** as disable.

s3.console.aws.amazon.com/s3/bucket/create?region=ap-south-1

aws Services Search [Alt+S]

console, you will no longer need the `s3:PutBucketPublicAccessBlock` permission. [Learn more](#)

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

7. In the **Default encryption** section don't change anything. Click on **create bucket**.

No tags associated with this bucket.

[Add tag](#)

Default encryption [Info](#)

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption key type [Info](#)

☒ Amazon S3-managed keys (SSE-S3)

☐ AWS Key Management Service key (SSE-KMS)

Bucket Key

When KMS encryption is used to encrypt new objects in this bucket, the bucket key reduces encryption costs by lowering calls to AWS KMS.

[Learn more](#)

☐ Disable

☒ Enable

► **Advanced settings**

After creating the bucket you can upload files and folders to the bucket, and configure additional bucket settings.

[Cancel](#) [Create bucket](#)

8. After your bucket has created click on the **bucket name**.

Amazon S3 > Buckets

► **Account snapshot** [View Storage Lens dashboard](#)

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

Buckets (1) [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

[Refresh](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

	Name ▲	AWS Region ▼	Access ▼	Creation date ▼
<input type="radio"/>	dip12	Asia Pacific (Mumbai) ap-south-1	Bucket and objects not public	February 20, 2023, 19:25:24 (UTC+05:30)

9. After that click on **upload** to upload **files or folders**.

dip12

- Objects
- Properties
- Permissions
- Metrics
- Management
- Access Points

Objects (0)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

- Refresh
- Copy S3 URI
- Copy URL
- Download
- Open
- Delete
- Actions
- Create folder
- Upload

Find objects by prefix

< 1 > ⚙

	Name	Type	Last modified	Size	Storage class
--	------	------	---------------	------	---------------

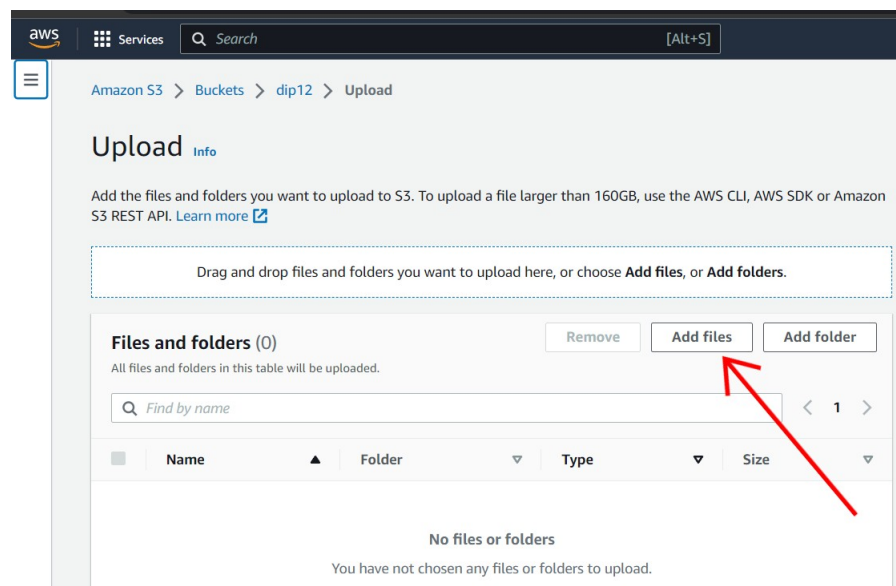
No objects

You don't have any objects in this bucket.

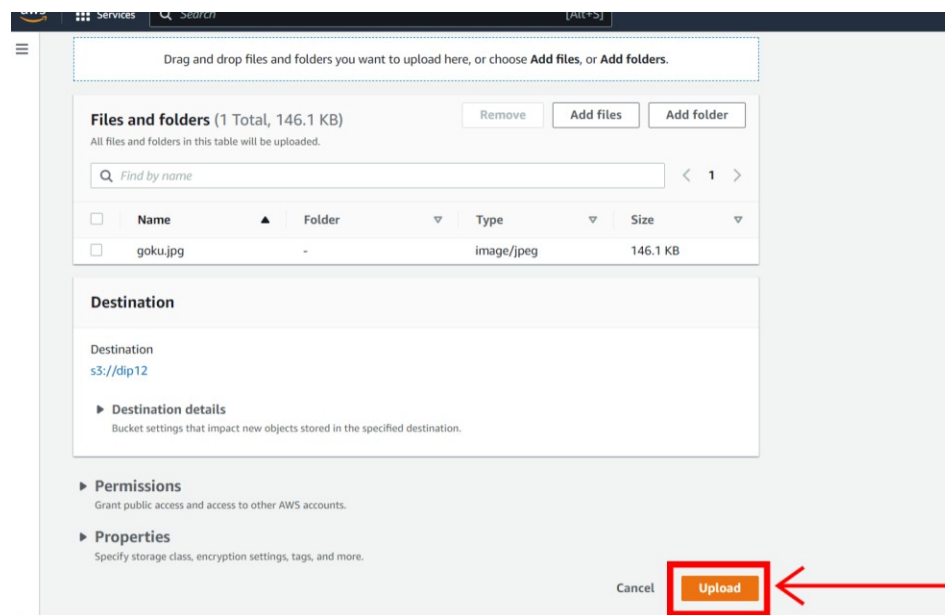
Upload



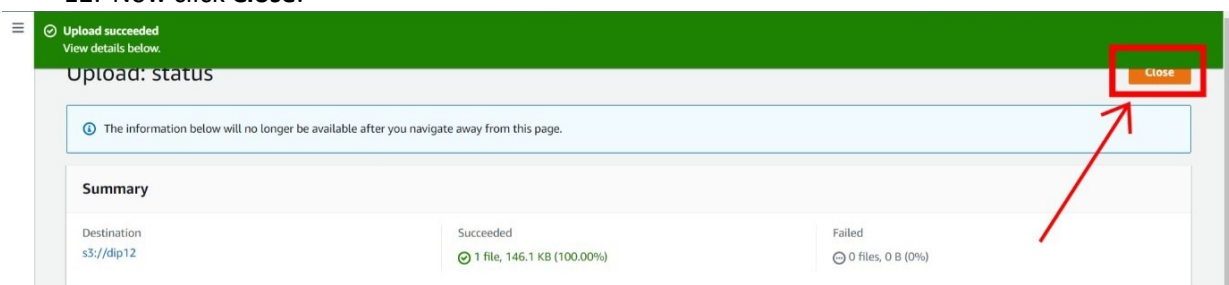
10. Click on **Add files** to add files or **Add folder** to add folders.



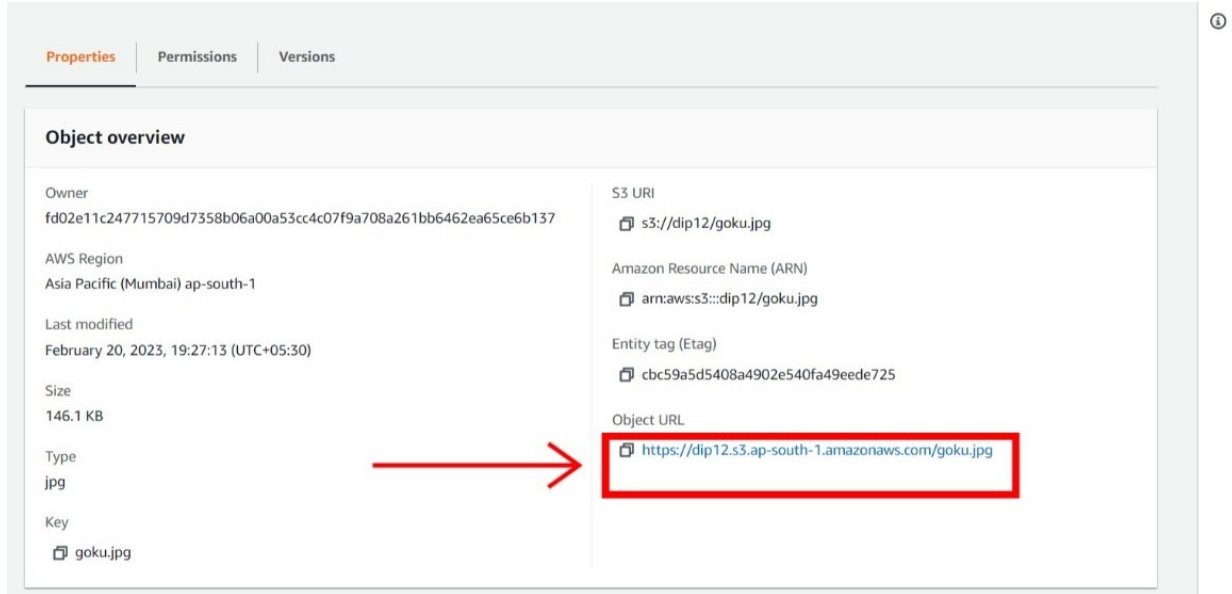
11. After that click on **upload**.



12. Now click **Close**.

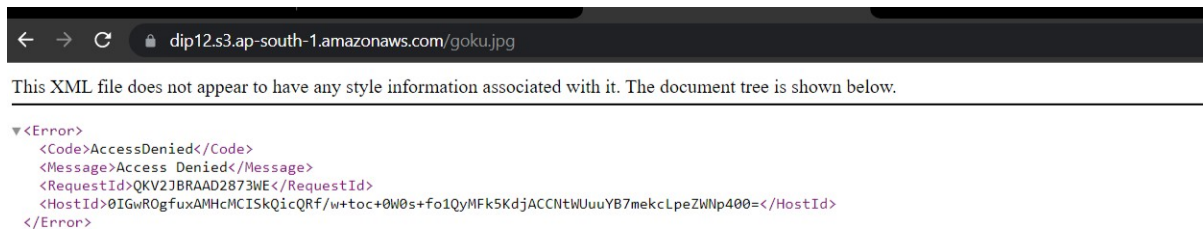


13. Click on the **object URL** to copy the URL so that we can see the file on web.



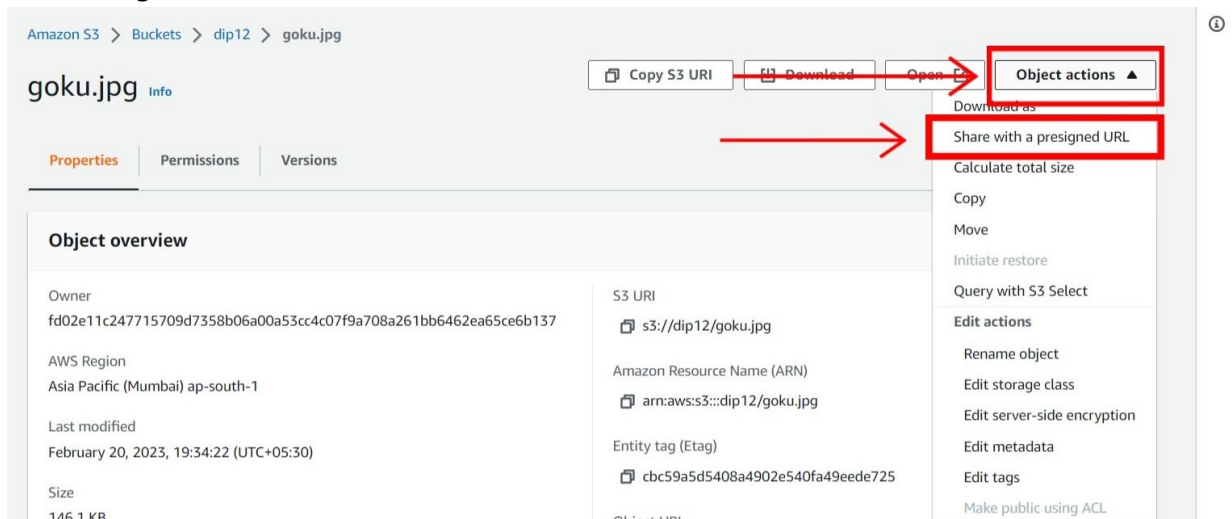
The screenshot shows the 'Object overview' page in the AWS S3 console. The 'Object URL' field is highlighted with a red box, and a red arrow points to it from the left. The URL is <https://dip12.s3.ap-south-1.amazonaws.com/goku.jpg>.

14. As we have not given the permission as public we can't able to see the file.



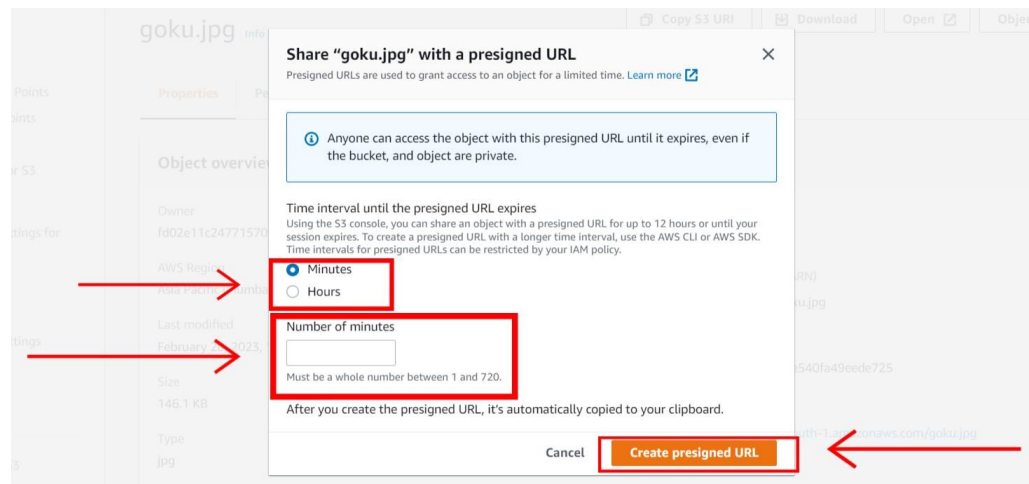
The screenshot shows a web browser displaying an 'Access Denied' error. The address bar shows the URL dip12.s3.ap-south-1.amazonaws.com/goku.jpg. The error message is: `<Error><Code>AccessDenied</Code><Message>Access Denied</Message><RequestId>QKV2JBRAAD2873WE</RequestId><HostId>0IGwR0gfuXAMHcMCISkQicQRf/w+toC+0W0s+fo1QyMFk5KdjACCNTwUuuYB7mekcLpeZWlp400=</HostId></Error>`

15. Now return back on AWS and click **object actions** and after that click on share with a **pre-signed URL**.

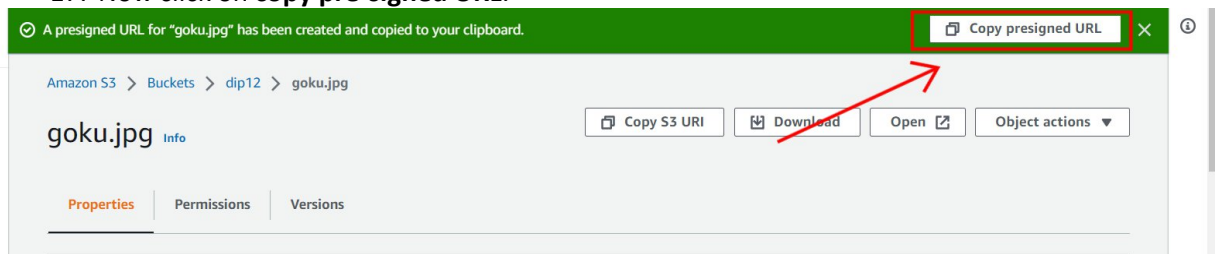


The screenshot shows the 'Object overview' page in the AWS S3 console. The 'Object actions' dropdown menu is open, and the 'Share with a presigned URL' option is highlighted with a red box. A red arrow points to the 'Object actions' button from the left.

16. Select the **time interval** either in **minutes** or **hours** and give the time for how much you want the pre-signed URL to work. After that click **create pre-signed URL**.



17. Now click on **copy pre-signed URL**.



18. How paste the URL on a new tab and you can see that you are able to see the file which I have uploaded.

