

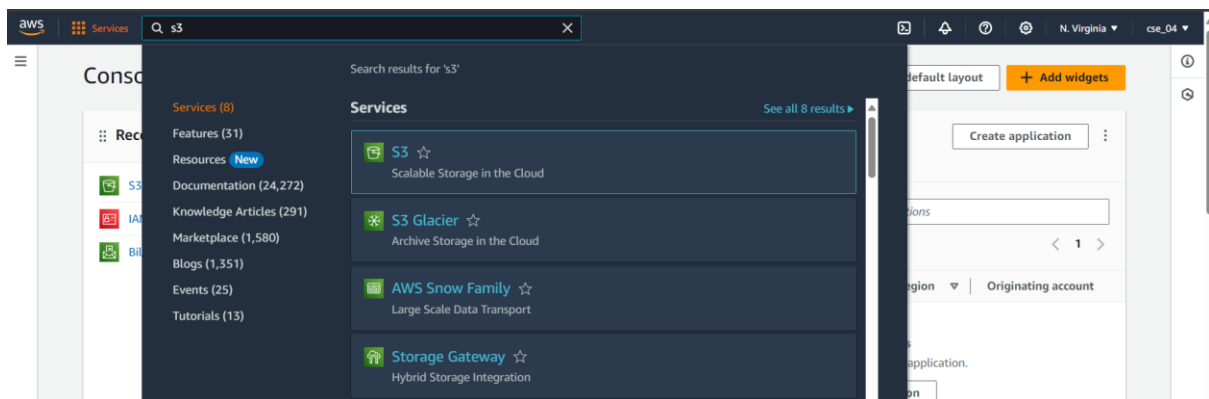
Assignment 4:

Problem Statement: Create a private bucket in AWS Upload a file and check by reassigned URL whether you can access the file or not.

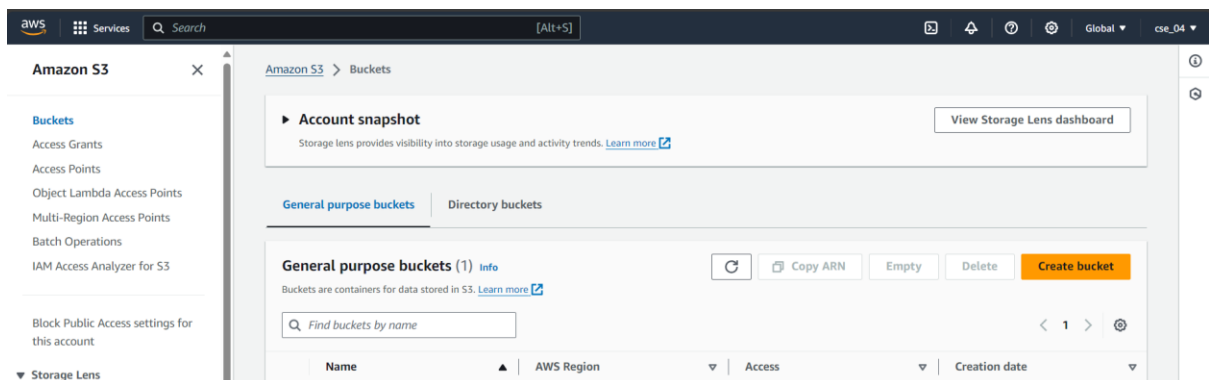
Steps:

Bucket is folder which is used to keep our file. For this these following steps will be followed:

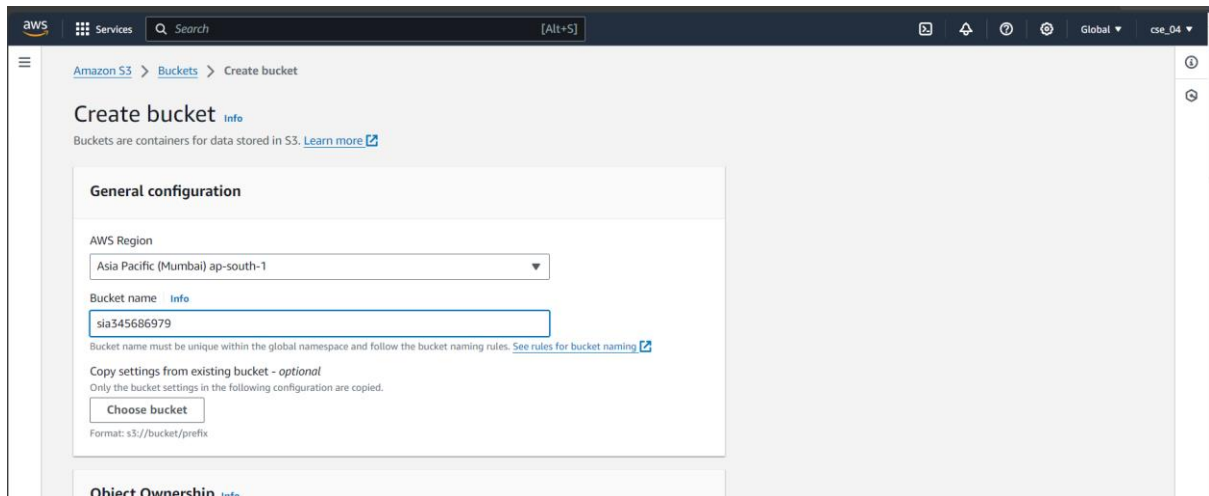
1. At first search **S3** in search bar and click on it.



2. Now click on **Buckets** in left side panel. Now click on **Create bucket**.



3. Select **AWS region** Mumbai and give **bucket name** and remember this name should be unique as it is global.



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Amazon S3 > Buckets > Create bucket

Create bucket [Info](#)

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

General configuration

AWS Region
Asia Pacific (Mumbai) ap-south-1

Bucket name [Info](#)
sia345686979

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

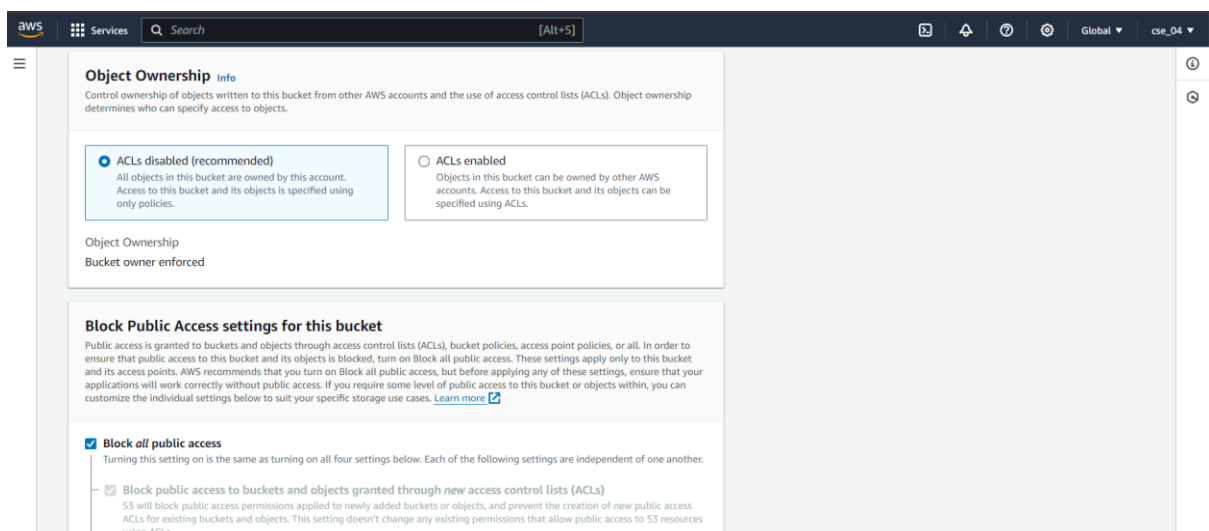
Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.

[Choose bucket](#)

Format: s3://bucket/prefix

Object Ownership [Info](#)

4. Now **ACLs**(Access Control List) is disabled. And we have also kept **Block all public access** check.



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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

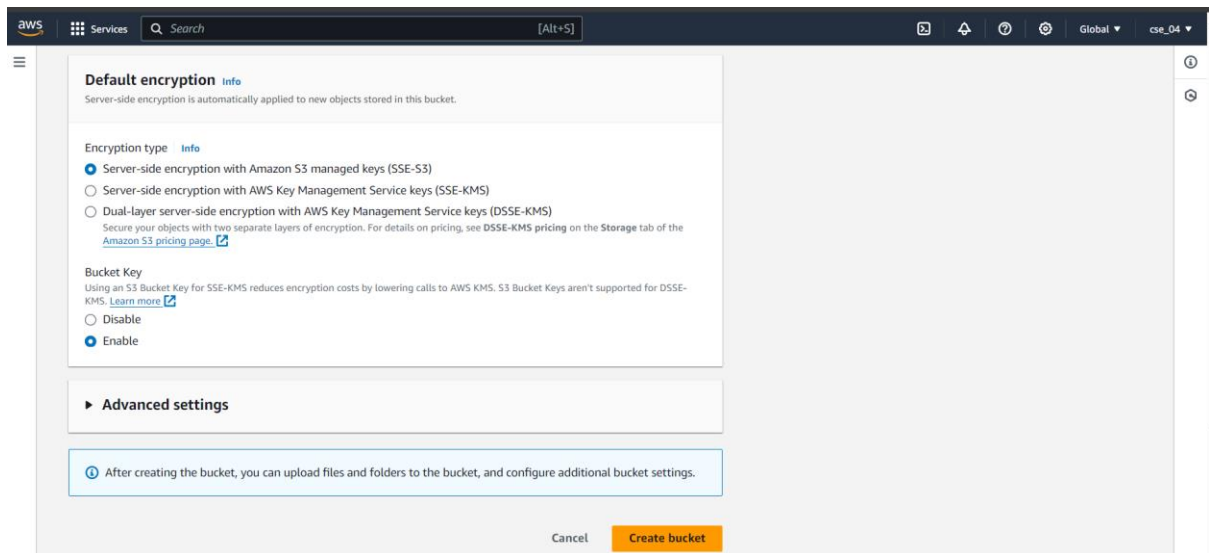
Block Public Access settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its 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 access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

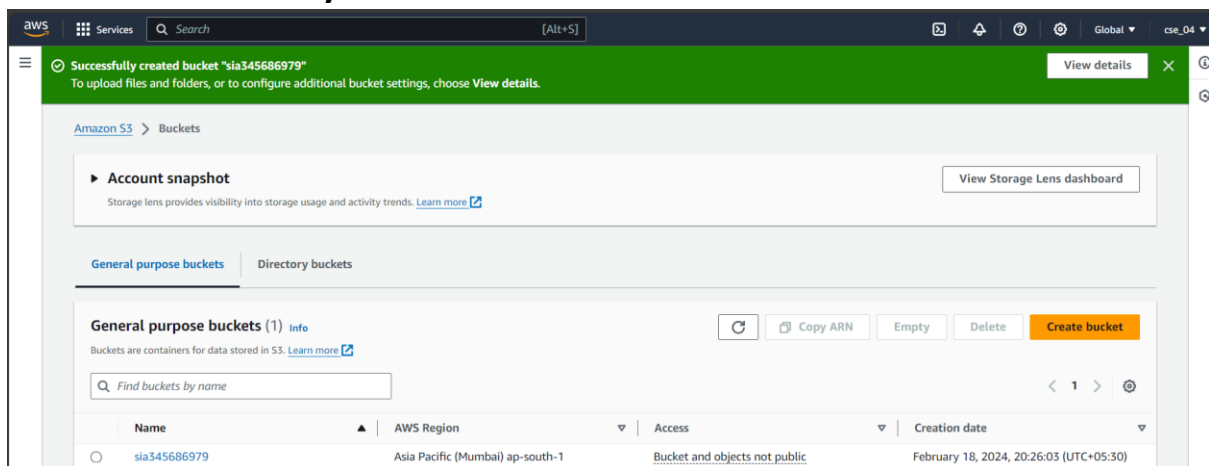
☒ **Block all public access**
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

- ☒ **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 of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

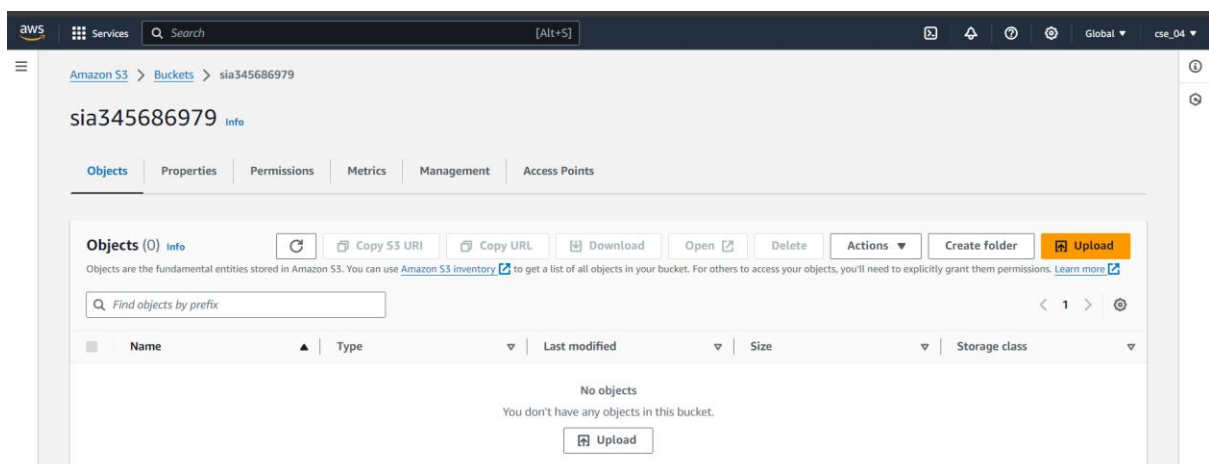
5. Now click on **Create bucket**.



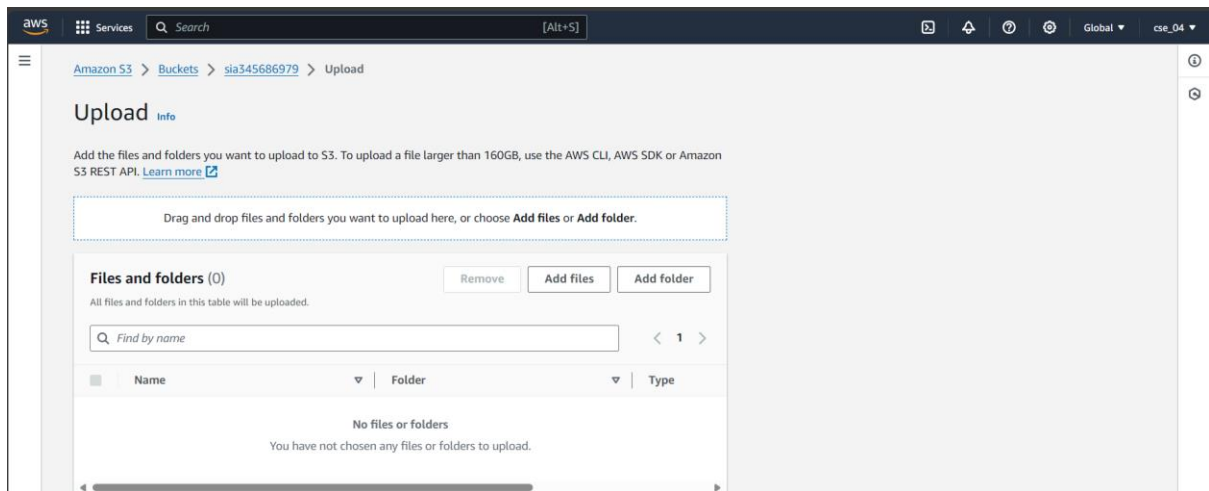
6. Now click on newly created bucket.



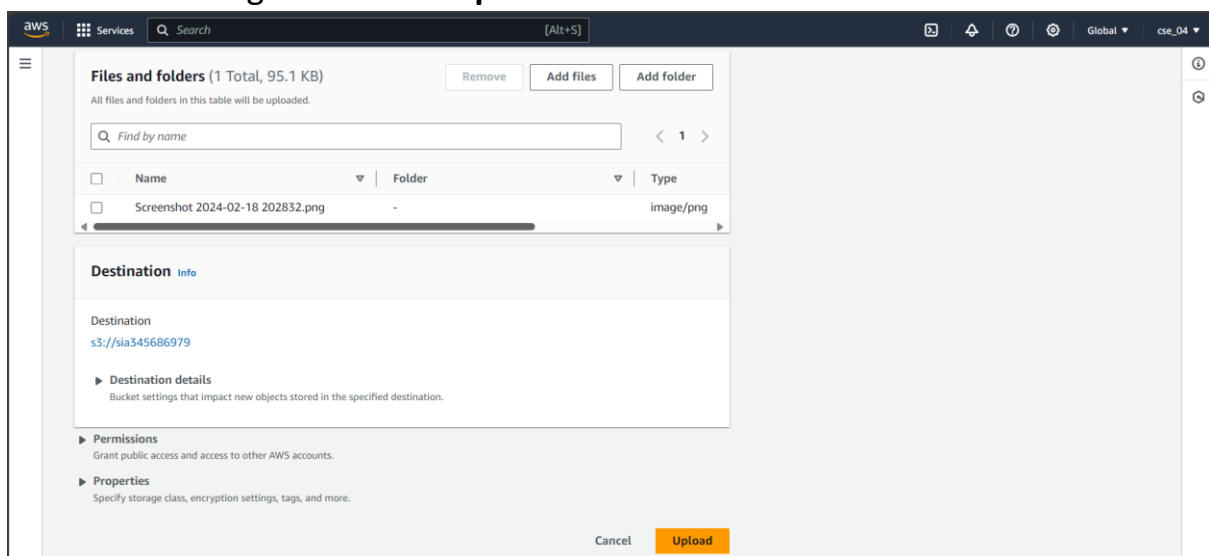
7. Click on Upload.



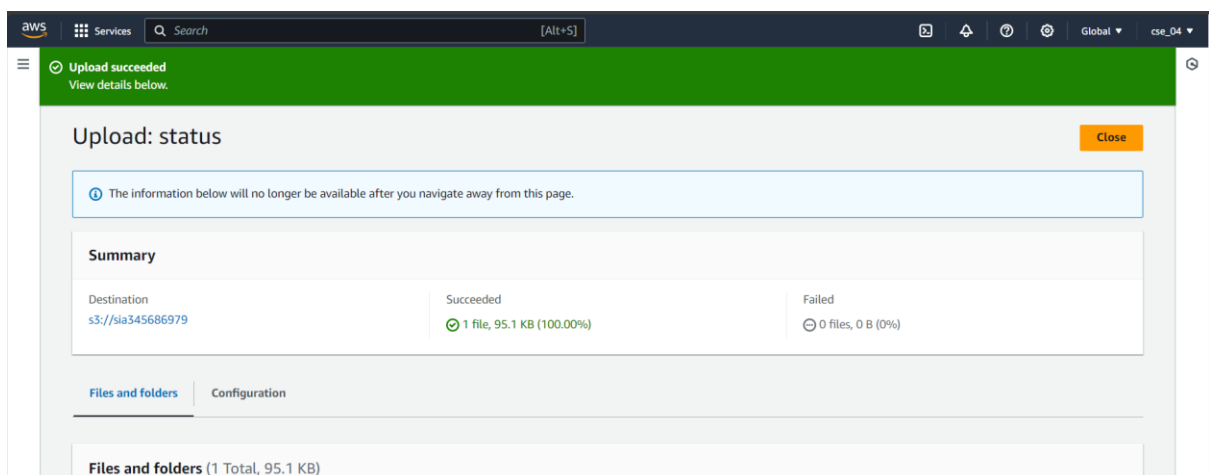
8. Click on Add files.



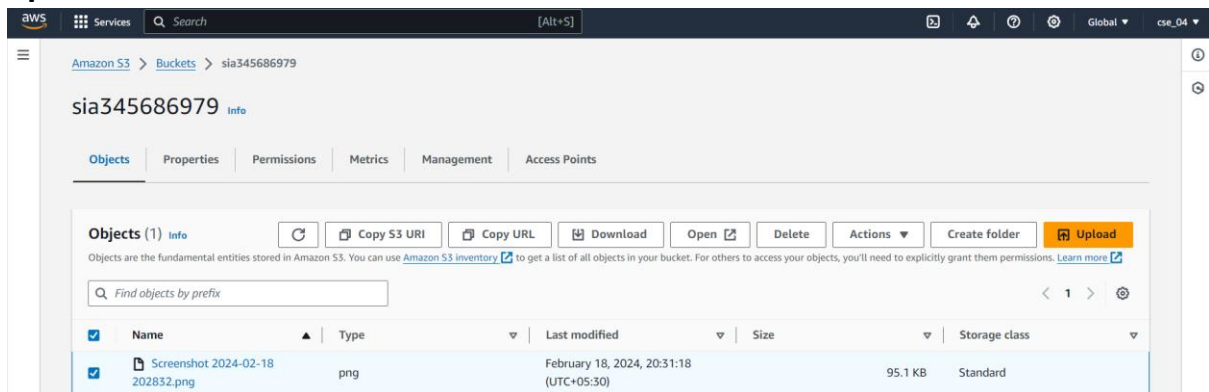
9. After selecting file click on **Upload**.



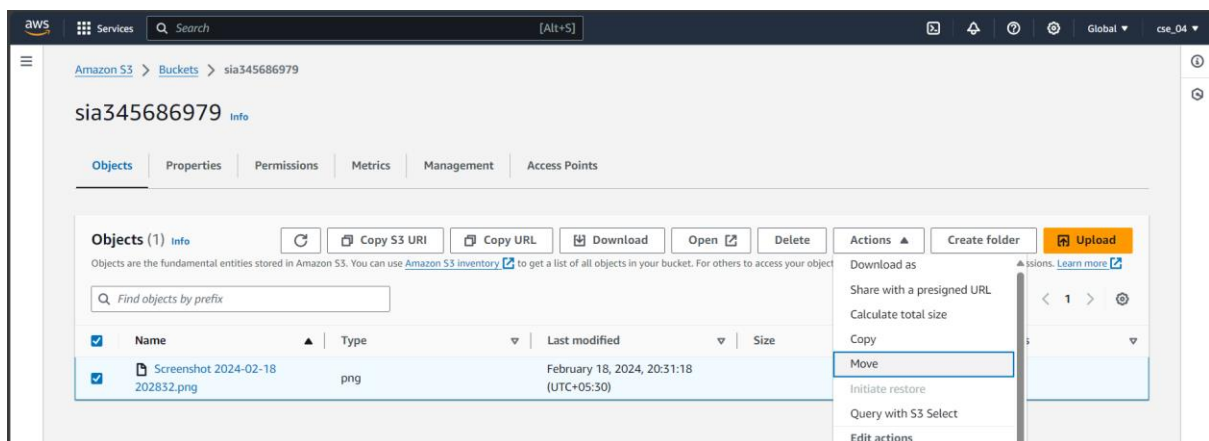
10. Now you can see Upload succeeded. Click on **close**.



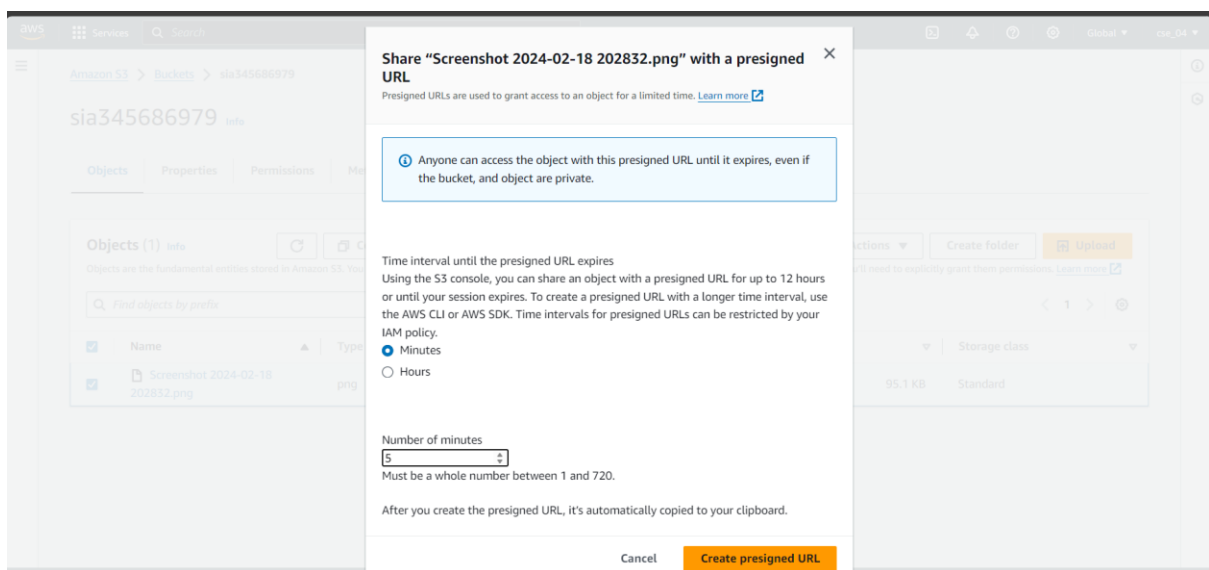
11. Go back to Buckets. Click on **bucket name**. and click on **checkbox of uploaded file name**.



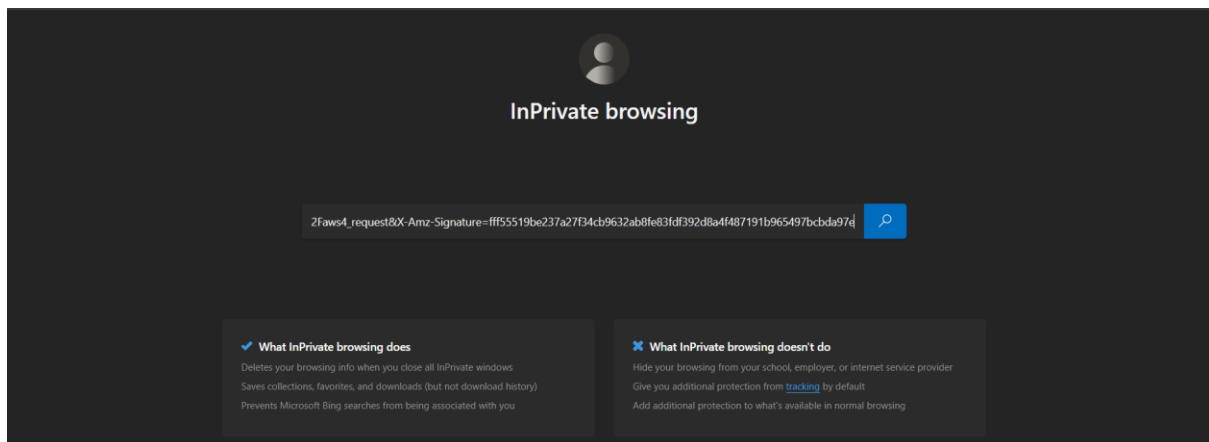
12. Click on **Actions** dropdown and click on **share with a presigned URL**.



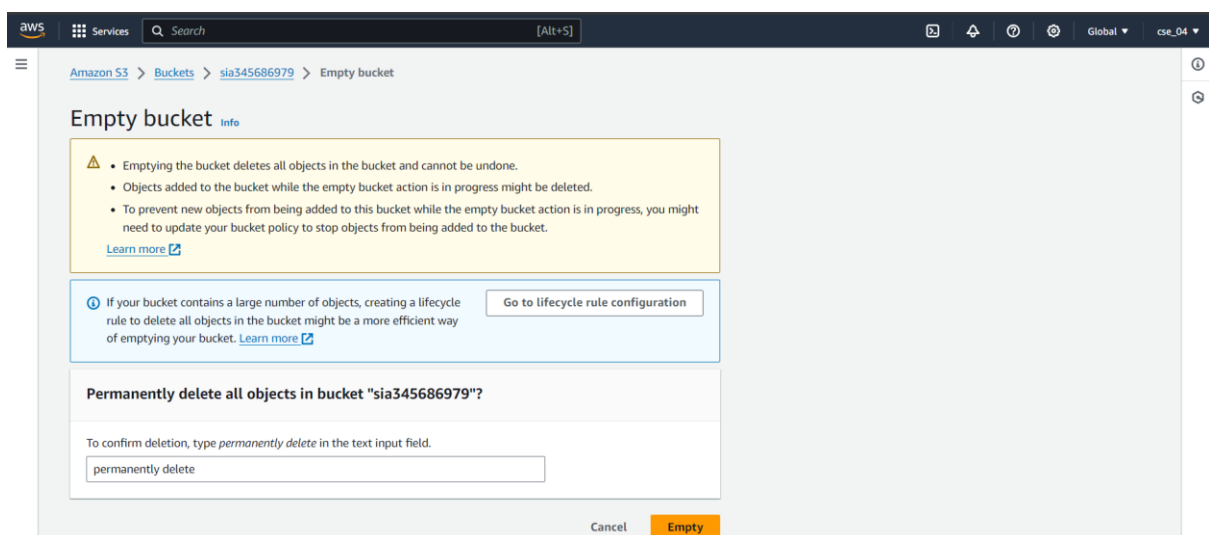
13. Select time intervals for presigned URL as Minute. And give 5 as number of minutes and click on **Create presigned URL**.



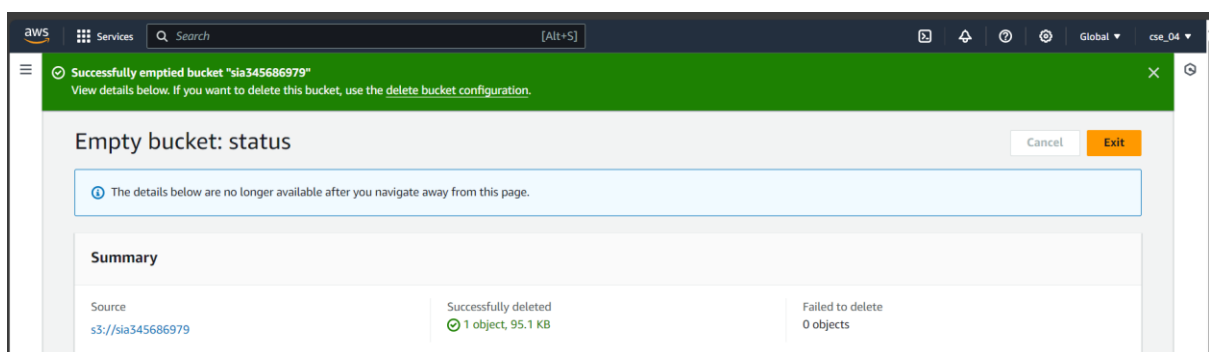
14. Now paste this URL in incognito mode and as we have given 5 minutes time interval so after 5 minutes no one can access it again. After pressing in incognito you can download the file.



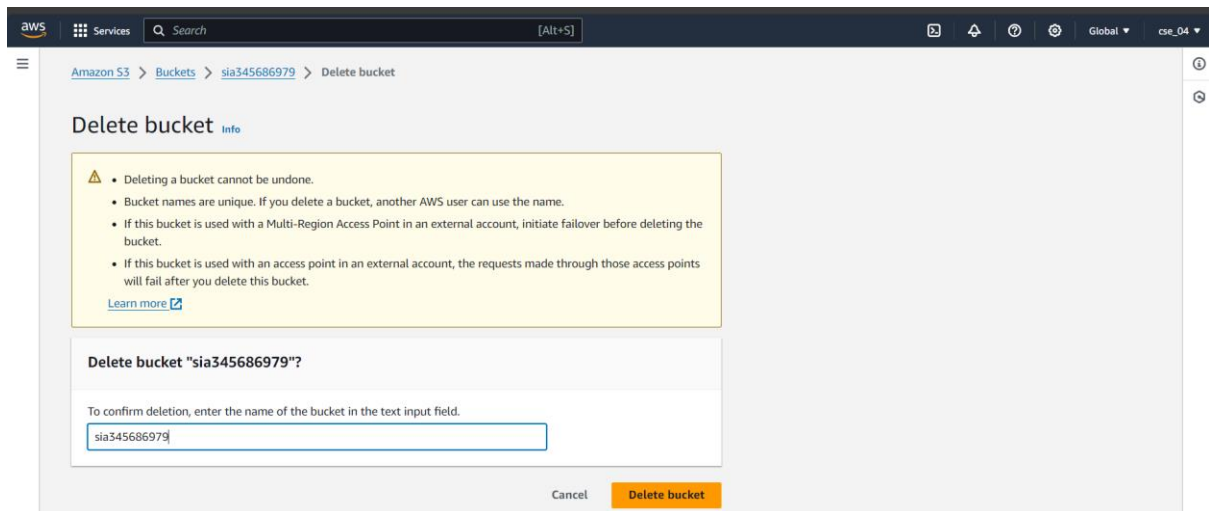
15. Now to delete it at first click on **bucket option name** and then at first **empty it**. And type permanently **delete**.



16. After successful deletion press on **exit**.



17. Now press on **Delete. And write confirmation and click on **Delete bucket**.**



The screenshot shows the AWS Management Console interface for deleting a bucket. The breadcrumb navigation at the top reads: Amazon S3 > Buckets > sia345686979 > Delete bucket. The main heading is 'Delete bucket' with an 'Info' link. A yellow warning box contains the following text:

- Deleting a bucket cannot be undone.
- Bucket names are unique. If you delete a bucket, another AWS user can use the name.
- If this bucket is used with a Multi-Region Access Point in an external account, initiate failover before deleting the bucket.
- If this bucket is used with an access point in an external account, the requests made through those access points will fail after you delete this bucket.

A link for 'Learn more' is provided below the warning box. The confirmation section is titled 'Delete bucket "sia345686979"?'. It instructs the user: 'To confirm deletion, enter the name of the bucket in the text input field.' Below this instruction is a text input field containing the bucket name 'sia345686979'. At the bottom right, there are two buttons: 'Cancel' and 'Delete bucket'.

18. Thus successfully bucket will be deleted.