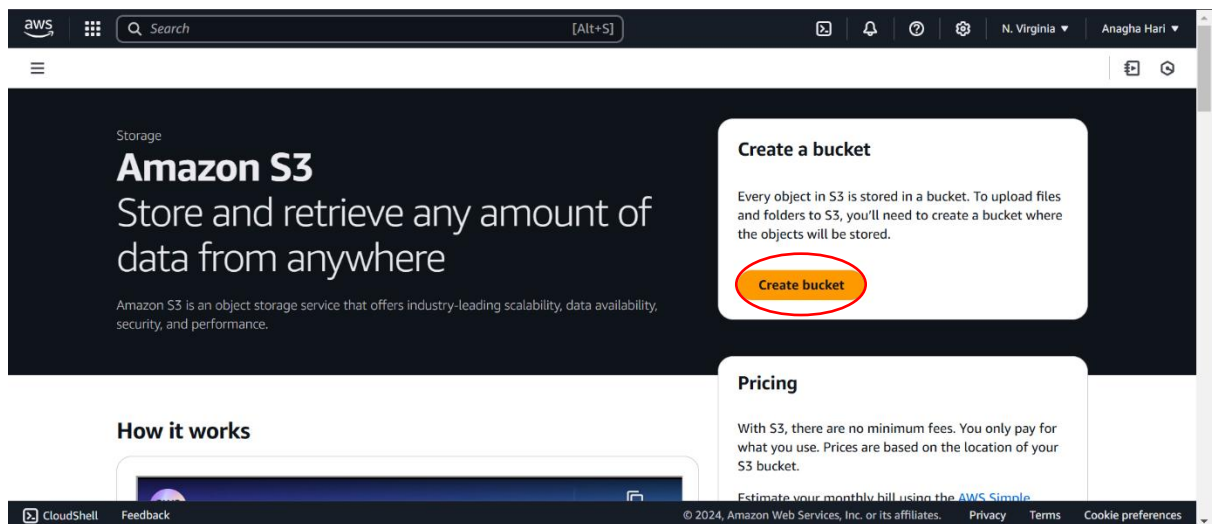
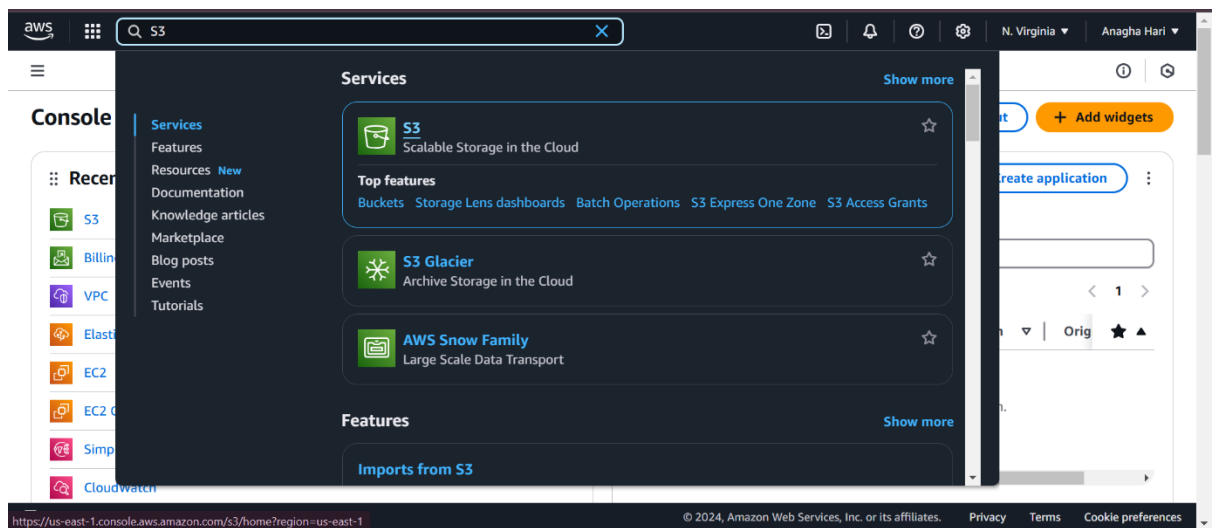


# STORAGE

## Assignment 1

### Creating a bucket

1. Navigate to the S3 console.
2. Select “Create Bucket”.
3. Make the preferred setting and click create bucket.



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Amazon S3 > Buckets > Create bucket

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.

We recommend disabling ACLs, unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy instead of ACLs to share data with users outside of your account simplifies permissions management and auditing.

Object 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. Otherwise, they are owned by the object writer.

☐ Object writer  
The object writer remains the object owner.

☒ If you want to enforce object ownership for new objects only, your bucket policy must specify that the bucket-owner-full-control canned ACL is required for object uploads. [Learn more](#)

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](#)

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Amazon S3 Buckets Create bucket

**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

**Tags - optional (0)**  
You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

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 type** [info](#)  
☒ Server-side encryption with Amazon S3 managed keys (SSE-S3)  
☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)  
☐ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)

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Amazon S3 Buckets Create bucket

**Default encryption** [info](#)  
Server-side encryption is automatically applied to new objects stored in this bucket.

**Encryption type** [info](#)  
☒ Server-side encryption with Amazon S3 managed keys (SSE-S3)  
☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)  
☐ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)  
 Secure your objects with two separate layers of encryption. For details on pricing, see DSSE-KMS pricing on the Storage tab of the [Amazon S3 pricing page](#).

**Bucket Key**  
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-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**

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## Uploading an object into the bucket

1. Click on the bucket created and select upload.
2. Add the file u need.
3. Make necessary permission settings and save changes.
4. Select the object uploaded, copy the object link to view the uploaded object.

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Amazon S3 Buckets

► **Account snapshot - updated every 24 hours** [All AWS Regions](#) [View Storage Lens dashboard](#)  
Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

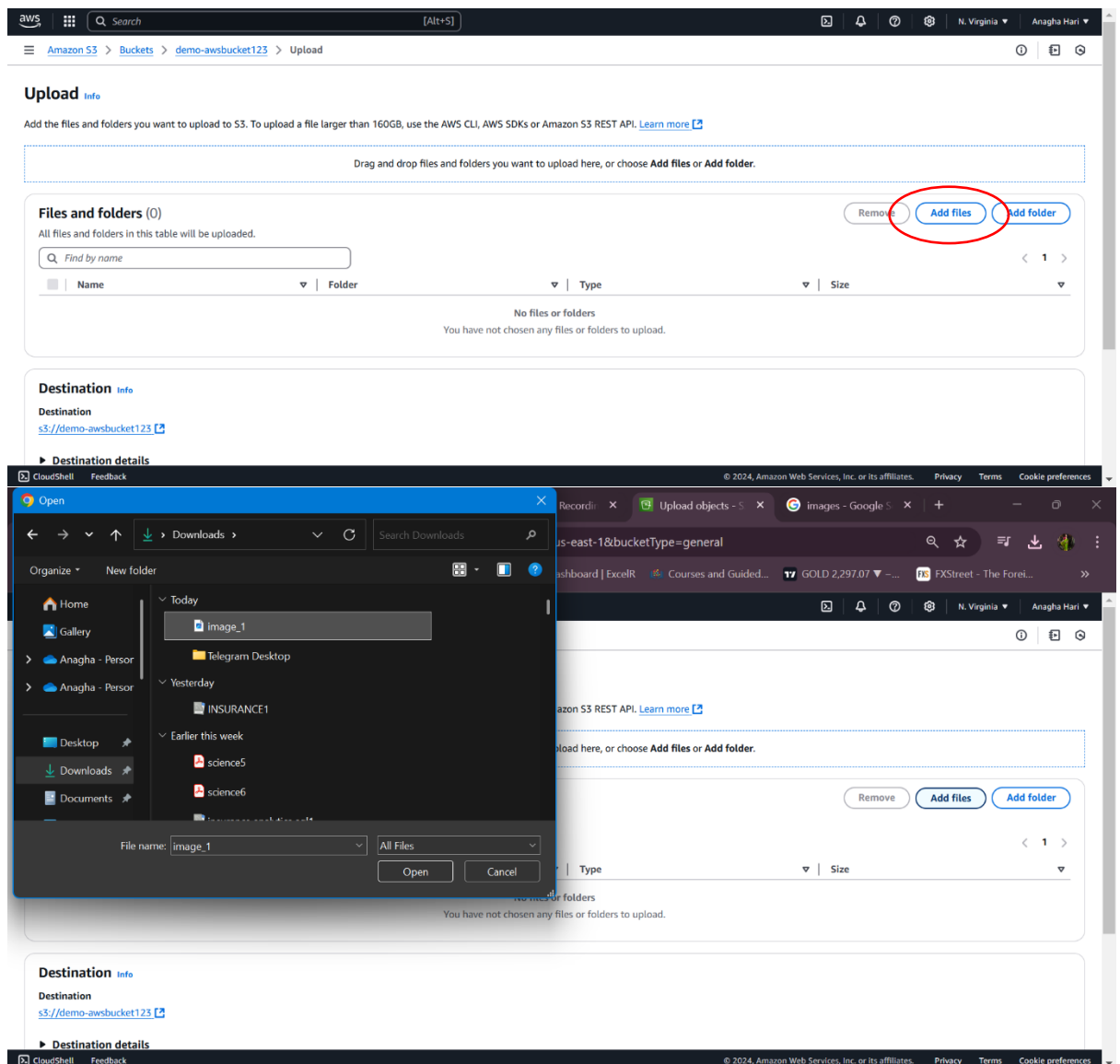
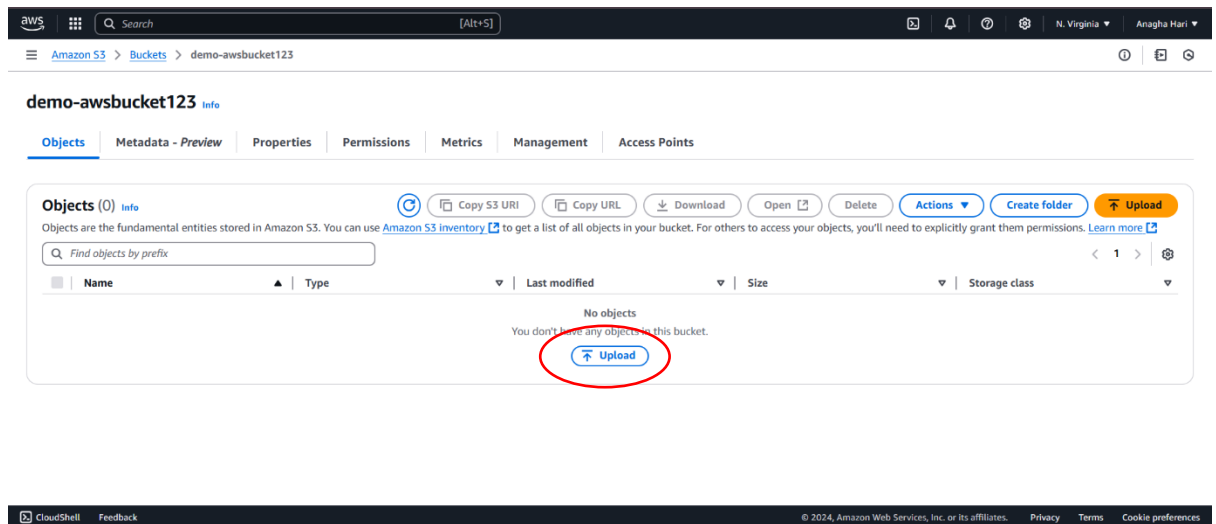
**General purpose buckets** [info](#) [All AWS Regions](#)

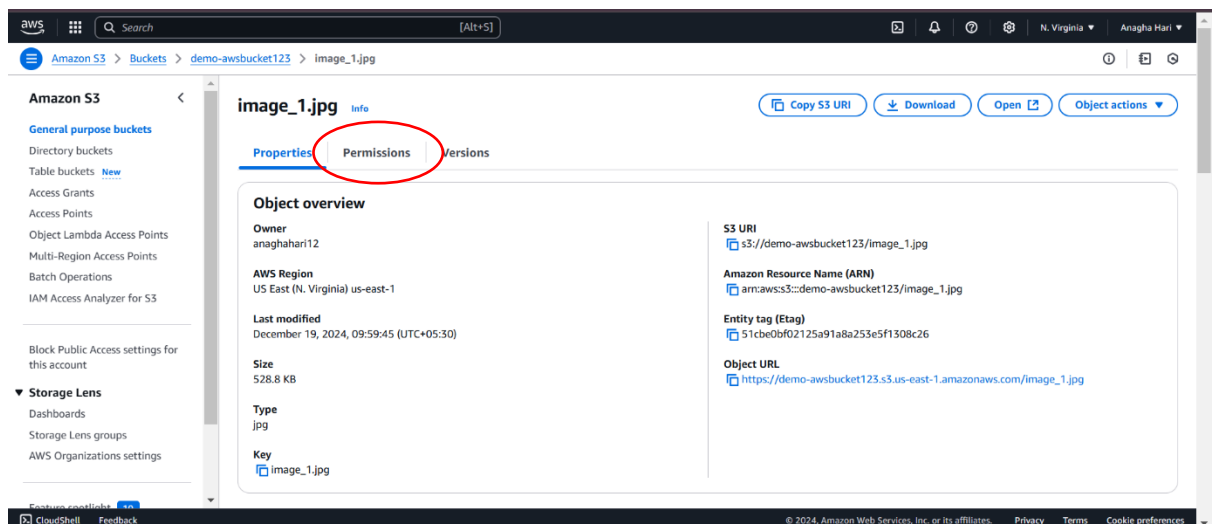
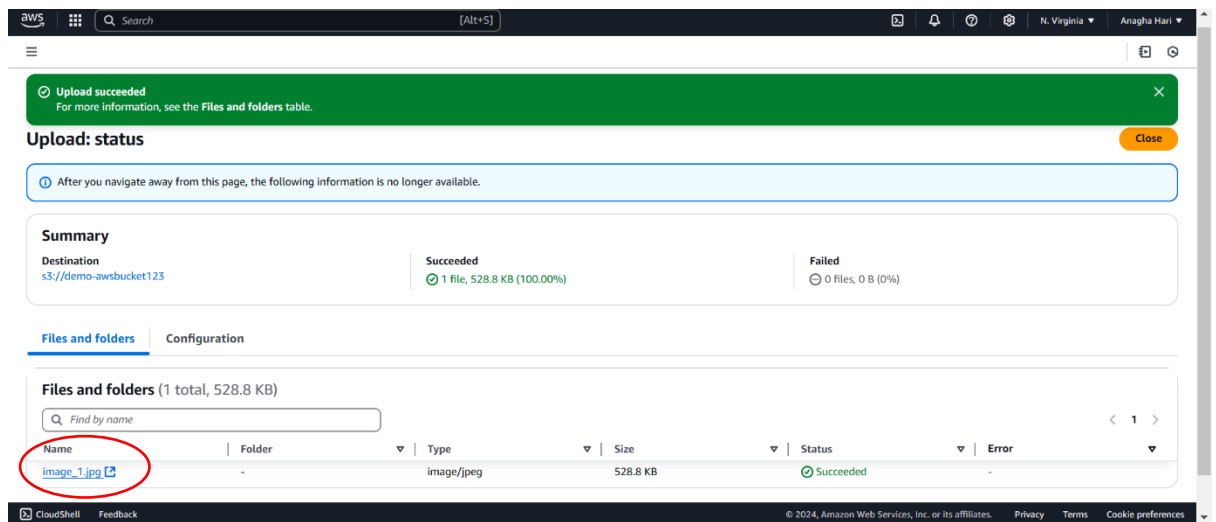
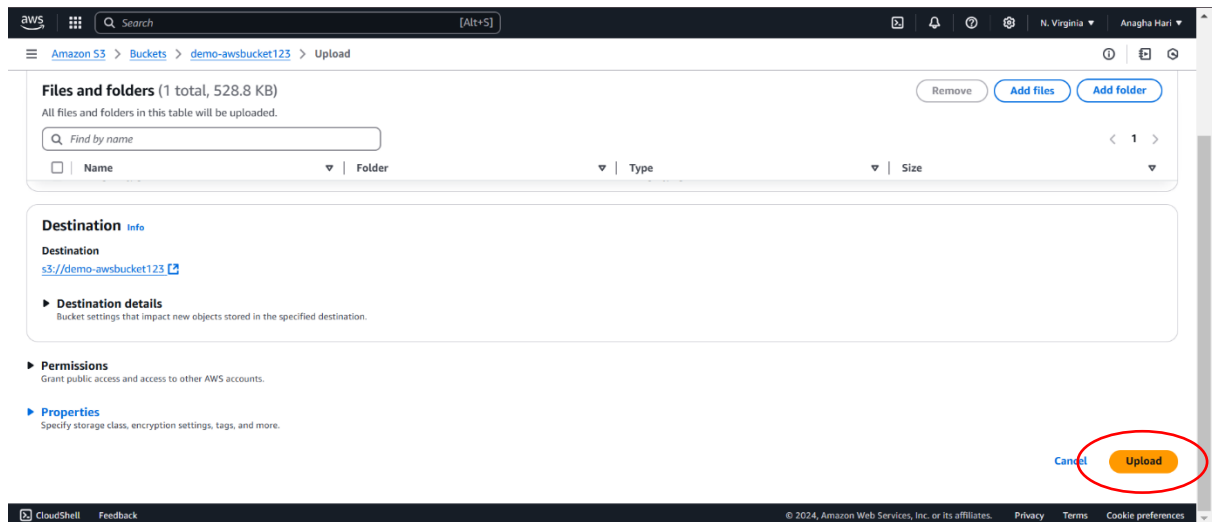
Buckets are containers for data stored in S3.

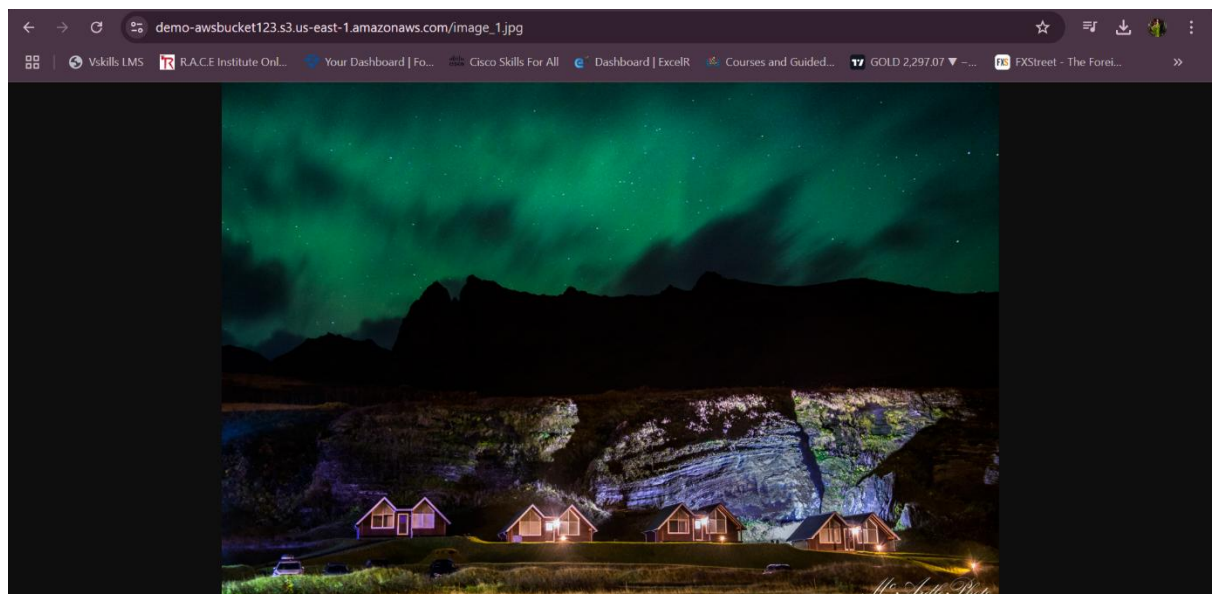
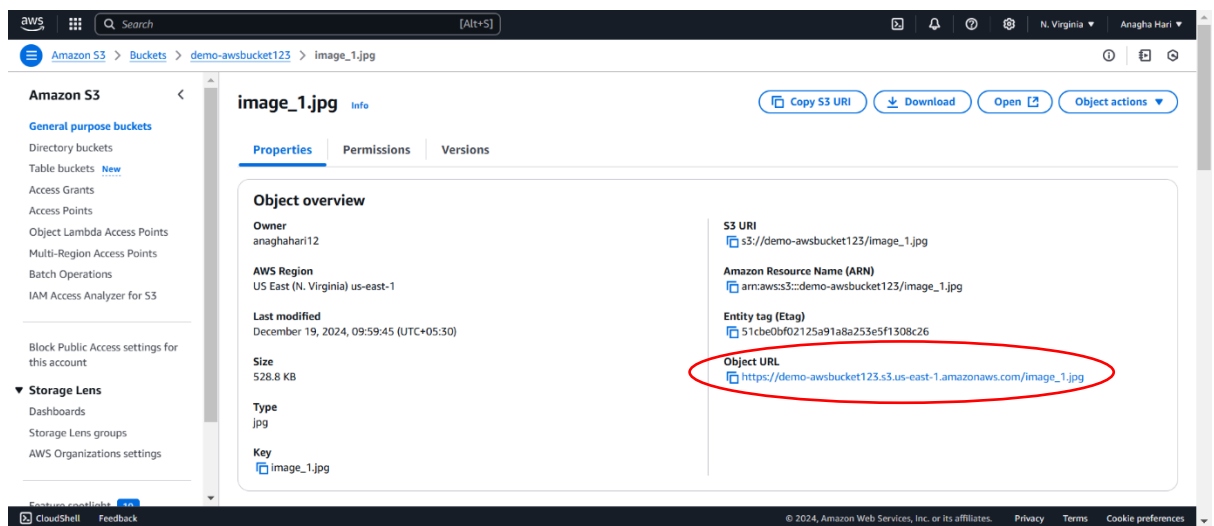
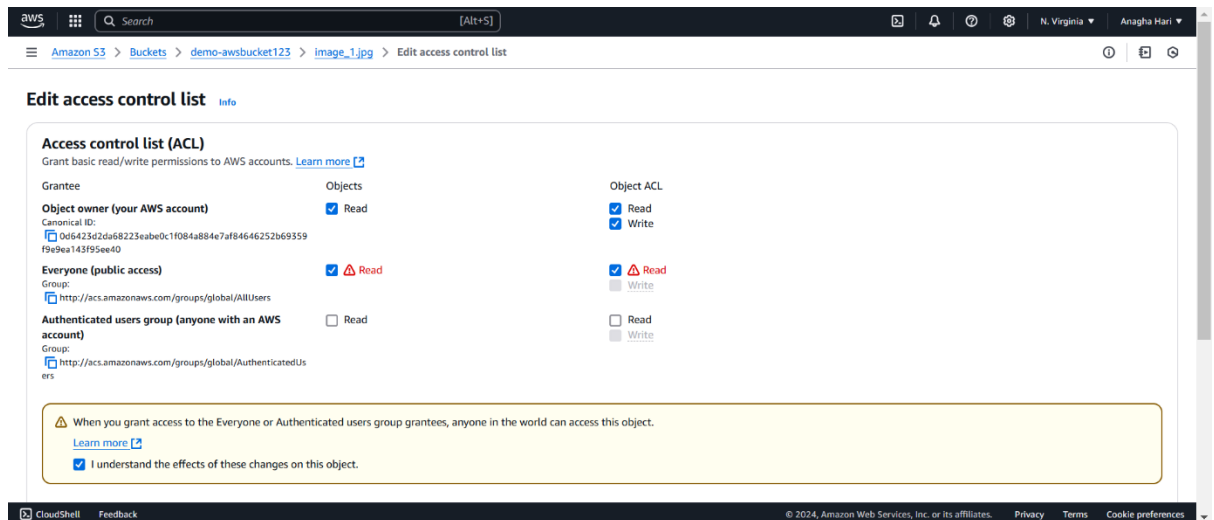
< 1 > [Settings](#)

Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/> demo-awsbucket123	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	December 19, 2024, 09:50:16 (UTC+05:30)

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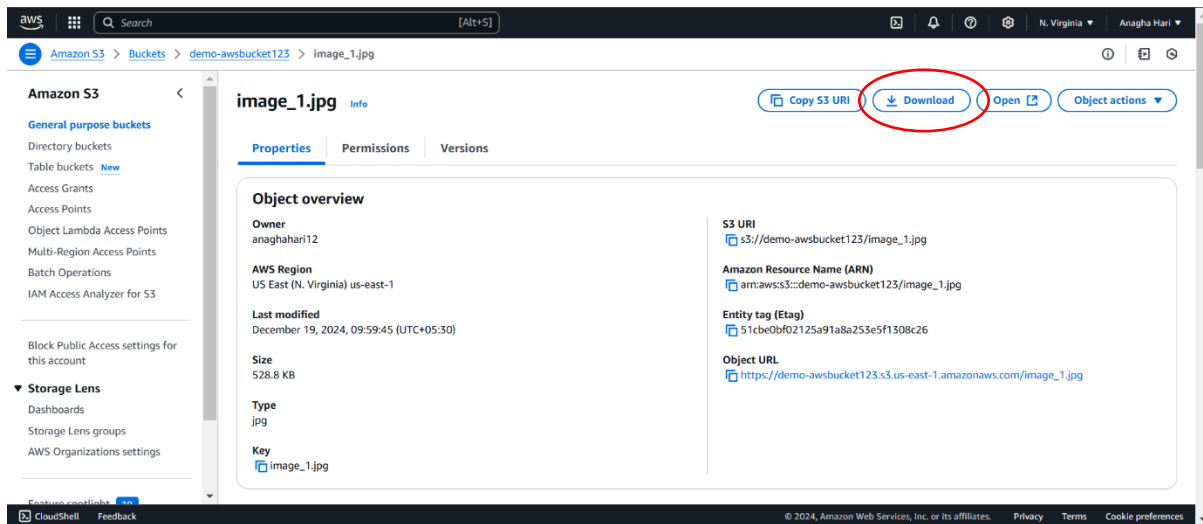






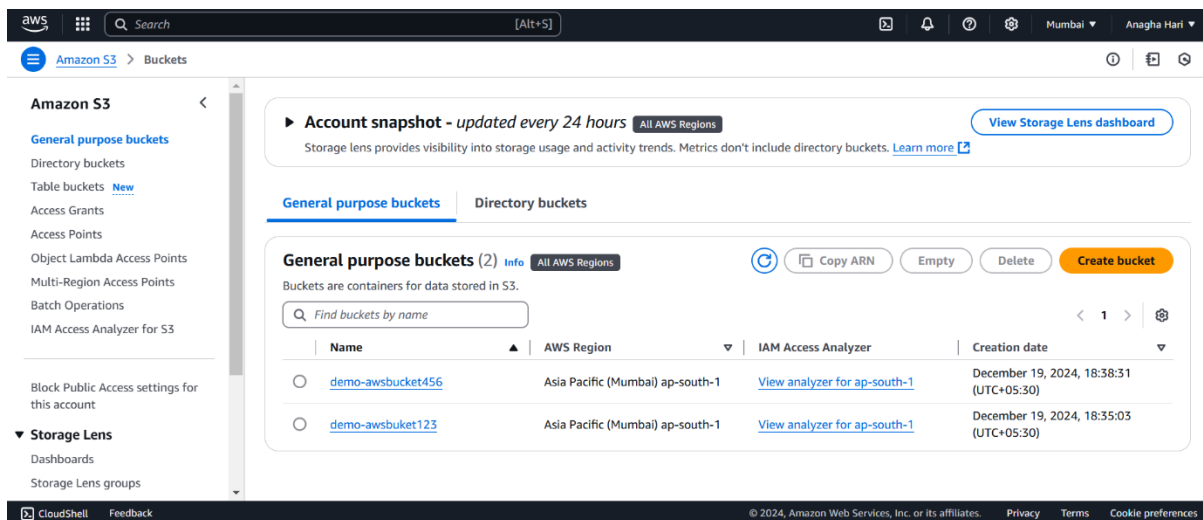
## To download an object

1. Login to the console.
2. Open S3 and select the bucket from which the object is to be downloaded.
3. Click the object name to open the details page.
4. Click on download.



## To copy the object to a folder

1. Create a new bucket.
2. Open the existing bucket.
3. Select the object and go to actions
4. Click copy.
5. Enter the destination url and click copy.




Created a new bucket demo-awsbucket456

demo-awsbucket1 [Info](#)

[Objects](#) | [Properties](#) | [Permissions](#) | [Metrics](#) | [Management](#) | [Access Points](#)

The screenshot shows the Amazon S3 console interface. At the top, there's a header with 'Objects (1)' and an 'Info' link. Below this is a descriptive paragraph about S3 objects and a 'Learn more' link. A search bar is present with the placeholder text 'Find objects by prefix'. The main area contains a table with columns: Name, Type, Last modified, Size, and Storage class. The first row of the table, representing the object 'image\_1.jpg', is highlighted with a blue selection bar. Above the table, a row of action buttons is visible: 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete' (circled in red), 'Actions', 'Create folder', and 'Upload'.

<input checked="" type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input checked="" type="checkbox"/>	 <a href="#">image_1.jpg</a>	jpg	December 19, 2024, 11:32:32 (UTC+05:30)	528.8 KB	Standard

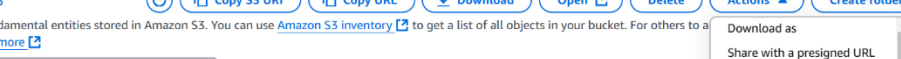
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Amazon S3 > Buckets > demo-awsbucket123   

demo-awsbuket123 [Info](#)

[Objects](#) [Properties](#) [Permissions](#) [Metrics](#) [Management](#) [Access Points](#)



The screenshot shows the Amazon S3 console's 'Objects' page. At the top, there's a header with 'Objects (1)' and an 'Info' link. Below this is a descriptive paragraph about S3 objects and a 'Learn more' link. A search bar with the placeholder 'Find objects by prefix' is present. The main area contains a table with columns: 'Name', 'Type', 'Last modified', and 'Size'. One object, 'image\_1.jpg', is listed with a 'jpg' type and a modification date of 'December 19, 2024, 18:35:26 (UTC+05:30)'. To the right of the table, a context menu is open, showing various actions like 'Download as', 'Share with a presigned URL', 'Calculate total size', 'Copy', 'Move', 'Initiate restore', 'Query with S3 Select', 'Edit actions', 'Rename object', and 'Edit storage class'. The 'Copy' action is highlighted with a red circle.

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Amazon S3 > Buckets > demo-awsbucket123 > Copy

## Copy Info

This action creates a copy of the object with updated settings and a new last-modified date. [View copy restrictions and limitations](#)

Destination

Destination type

☒ General purpose bucket

☐ Directory bucket

☐ Access Point

Destination

s3://demo-awsbucket456

View

Browse S3

Format: s3://<bucket-name>[<optional-prefix-with-path>]

Destination bucket name

demo-awsbucket456

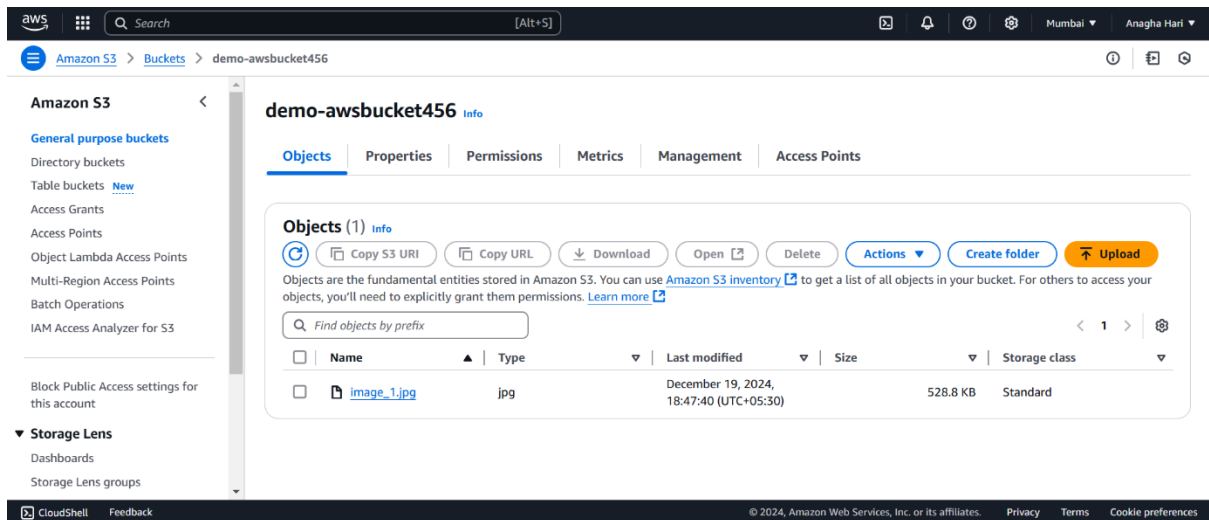
Destination prefix

-

Destination details

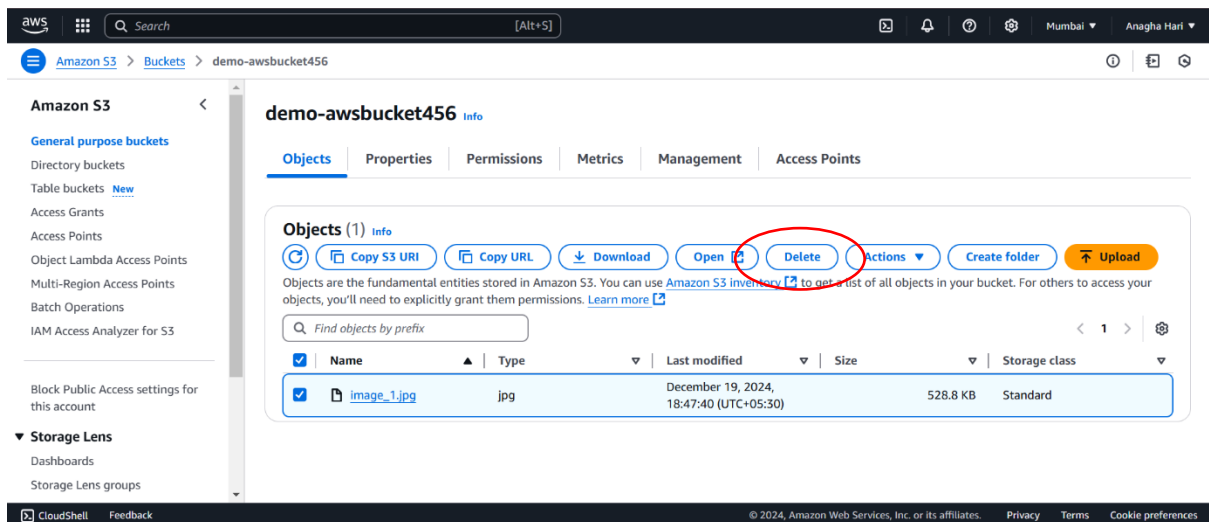
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## Delete object and bucket

1. Select the object click on delete button.
2. Type 'permanently delete' in the give dialogue box to delete the object.
3. Select the bucket to be deleted and click on the delete button.
4. Type the name of the bucket to be deleted in the dialogue box to delete it permanently.



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Amazon S3

Buckets

demo-awsbucket456

Delete objects

any new objects with the same name that are uploaded before the delete action is completed will also be deleted.

Deleting the specified objects can't be undone.

[Learn more](#)

Specified objects

Find objects by name

Name	Type	Last modified	Size
image_1.jpg	jpg	December 19, 2024, 18:47:40 (UTC+05:30)	528.8 KB

Permanently delete objects?

To confirm deletion, type *permanently delete* in the text input field.

permanently delete

Cancel

Delete objects

CloudShell

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Amazon S3

Buckets

demo-awsbucket456

Delete objects

Successfully deleted objects

View details below.

Summary

Source	Successfully deleted	Failed to delete
s3://demo-awsbucket456	1 object, 528.8 KB	0 objects

Failed to delete

Configuration

Failed to delete (0)

Find objects by name

Name	Folder	Type	Last modified	Size	Error
No objects failed to delete.					

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Amazon S3

Buckets

Account snapshot - updated every 24 hours

All AWS Regions

[View Storage Lens dashboard](#)

General purpose buckets

Directory buckets

General purpose buckets (2)

Info

All AWS Regions

Copy ARN

Empty

Delete

Create bucket

Find buckets by name

Name	AWS Region	IAM Access Analyzer	Creation date
demo-awsbucket456	Asia Pacific (Mumbai) ap-south-1	<a href="#">View analyzer for ap-south-1</a>	December 19, 2024, 18:38:31 (UTC+05:30)
demo-awsbucket123	Asia Pacific (Mumbai) ap-south-1	<a href="#">View analyzer for ap-south-1</a>	December 19, 2024, 18:35:03 (UTC+05:30)

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Amazon S3 > Buckets > demo-awsbucket456 > Delete bucket

1

Delete bucket

info

- 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.

[Learn more](#)

Delete bucket "demo-awsbucket456"?

To confirm deletion, enter the name of the bucket in the text input field.

demo-awsbucket456

CancelDelete bucket

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Amazon S3

1

Successfully deleted bucket "demo-awsbucket456"

Account snapshot - updated every 24 hours

All AWS Regions

View Storage Lens dashboard

Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

General purpose buckets

Directory buckets

General purpose buckets (1)

info

All AWS Regions

Copy ARN

Empty

Delete

Create bucket

Buckets are containers for data stored in S3.

Find buckets by name

< 1 >

Name	▲	AWS Region	▼	IAM Access Analyzer	Creation date	▼
<input type="radio"/> demo-awsbuket123		Asia Pacific (Mumbai) ap-south-1		<a href="#">View analyzer for ap-south-1</a>	December 19, 2024, 18:35:03 (UTC+05:30)	

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