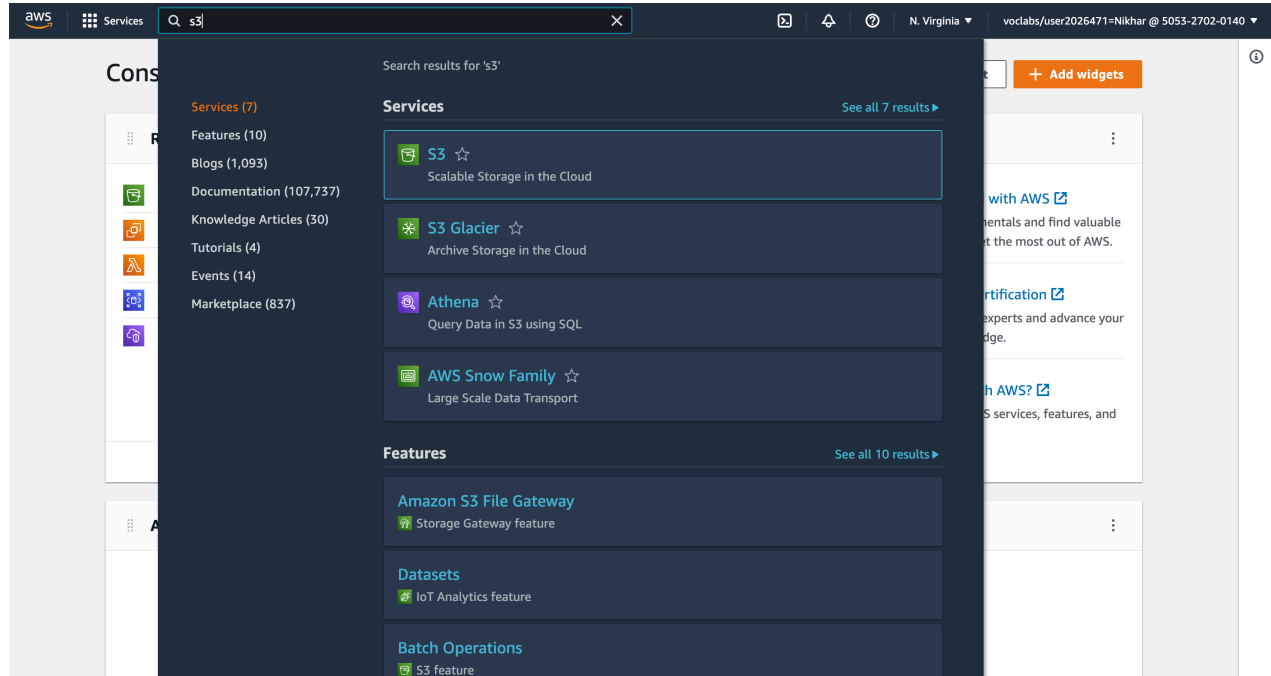


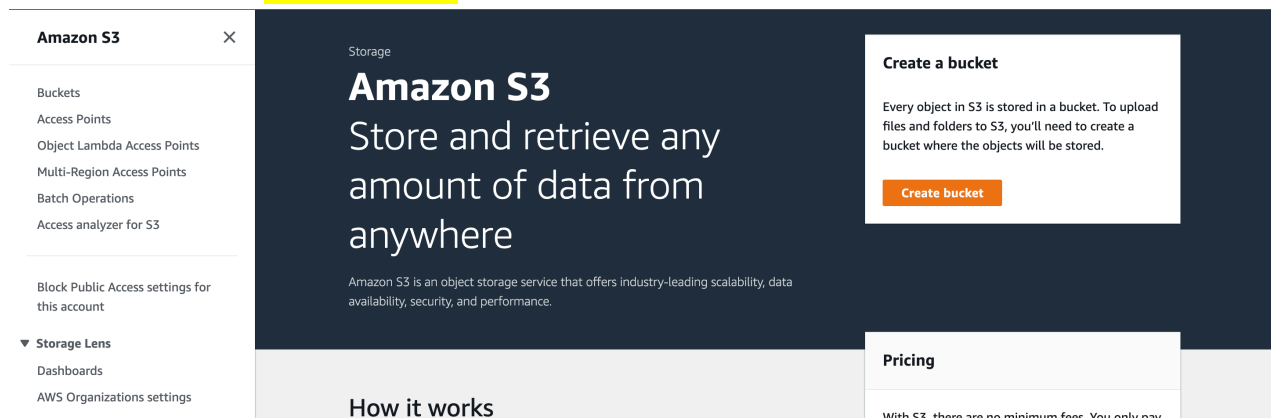
Create an S3 bucket

Prerequisites: Region should be selected as N. Virginia.

1. Open AWS dashboard and type **S3** in the search field



2. Click on the **Create bucket** button



3. Bucket names should be unique. Next, select the region - **N. Virginia**. Scroll down to the bottom of the page and click on the **Create bucket** button.

General configuration

Bucket name

upgrad-123

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

Region

US East (N. Virginia) us-east-1

4. Disable ACLs

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

5. Toggle off 'Block Public Access', and acknowledge below.

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.
- ☐ **Block public access to buckets and objects granted through *any* access control lists (ACLs)**
S3 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 point policies**
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- ☐ **Block public and cross-account access to buckets and objects through *any* public bucket or access point policies**
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.



Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

☒ I acknowledge that the current settings might result in this bucket and the objects within becoming public.

Amazon S3

Buckets

Batch Operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight 2

Successfully created bucket upgrad-123
Go to bucket details

To upload files and folders, or to configure additional bucket settings such as Bucket Versioning, tags, and default encryption, choose [Go to bucket details](#).

Amazon S3

Buckets (2)

<

1

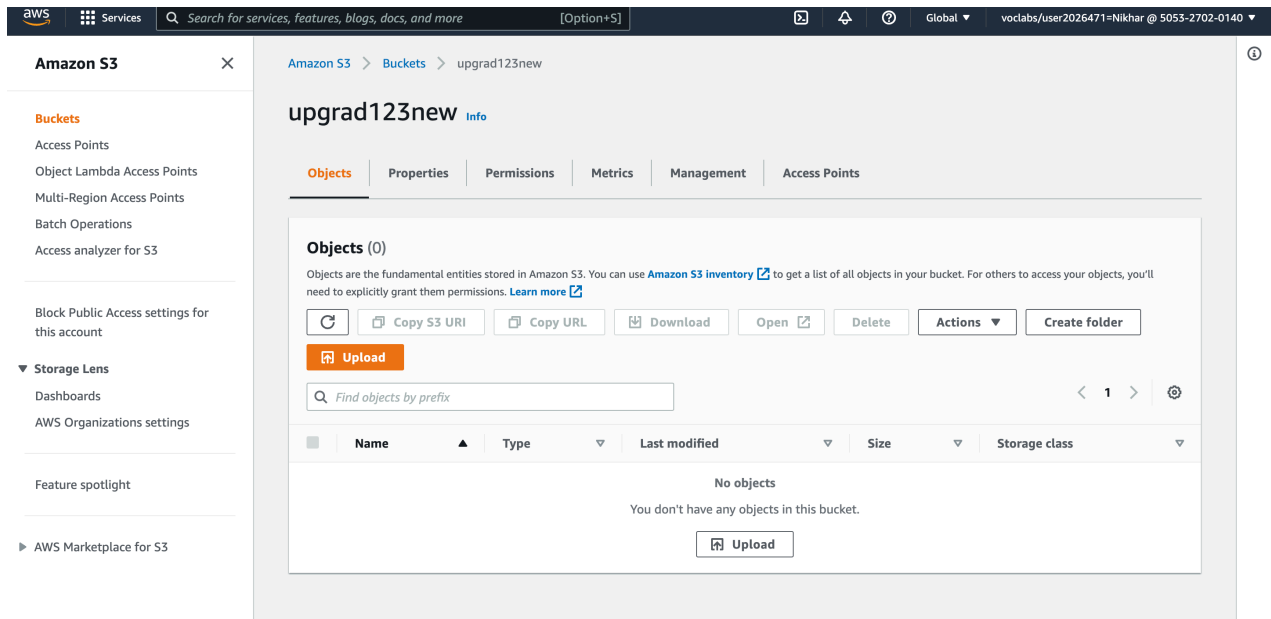
>

ⓘ

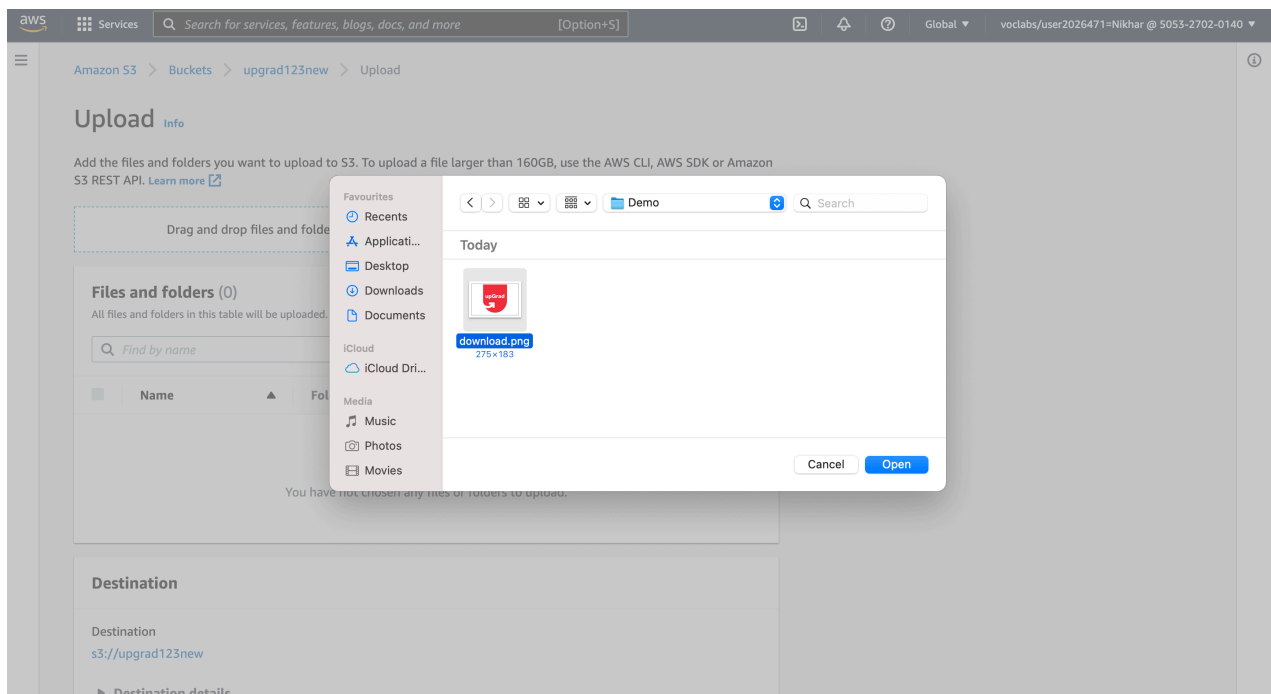
	Name	Region	Access	Bucket created
<input type="radio"/>	test-agaw	US East (N. Virginia) us-east-1	Objects can be public	2020-01-23T06:08:10.000Z
<input type="radio"/>	upgrad-123	US East (N. Virginia) us-east-1	Not Public	2020-04-08T06:00:58.000Z

Upload an object on S3 bucket

- Click on bucket name and click on **upload**.



2. You can directly **drag and drop** the object or scroll down and click on **Add files** .



3. Navigate to the below screen and click on the **Upload** button

The screenshot shows the AWS S3 console interface. At the top, there's a navigation bar with the AWS logo, 'Services' link, a search bar, and a keyboard shortcut '[Option+S]'. Below the navigation bar, a message states: 'Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. [Learn more](#)'. A dashed box contains the instruction: 'Drag and drop files and folders you want to upload here, or choose **Add files**, or **Add folders**.' Below this, a section titled 'Files and folders (1 Total, 3.0 KB)' shows a table with one file: 'download.png'. To the right of this section are buttons for 'Remove', 'Add files', and 'Add folder'. Below the table is a 'Destination' section with a text input showing 's3://upgrad123new' and a 'Destination details' link. Further down are sections for 'Permissions' and 'Properties'. At the bottom right, there are 'Cancel' and 'Upload' buttons.

Files and folders (1 Total, 3.0 KB)

All files and folders in this table will be uploaded.

Find by name

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	download.png	-	image/png	3.0 KB

Destination

Destination
s3://upgrad123new

► **Destination details**
Bucket settings that impact new objects stored in the specified destination.

► **Permissions**
Grant public access and access to other AWS accounts.

► **Properties**
Specify storage class, encryption settings, tags, and more.

Cancel Upload

The object will get successfully uploaded.

Versioning an S3 bucket

1. Create a bucket.

General configuration

Bucket name

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

AWS Region

Copy settings from existing bucket - *optional*

Only the bucket settings in the following configuration are copied.

Choose bucket

-
2. Follow all the steps mentioned above for object ownership and block public access settings for this bucket.
3. **Enable bucket versioning.**

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

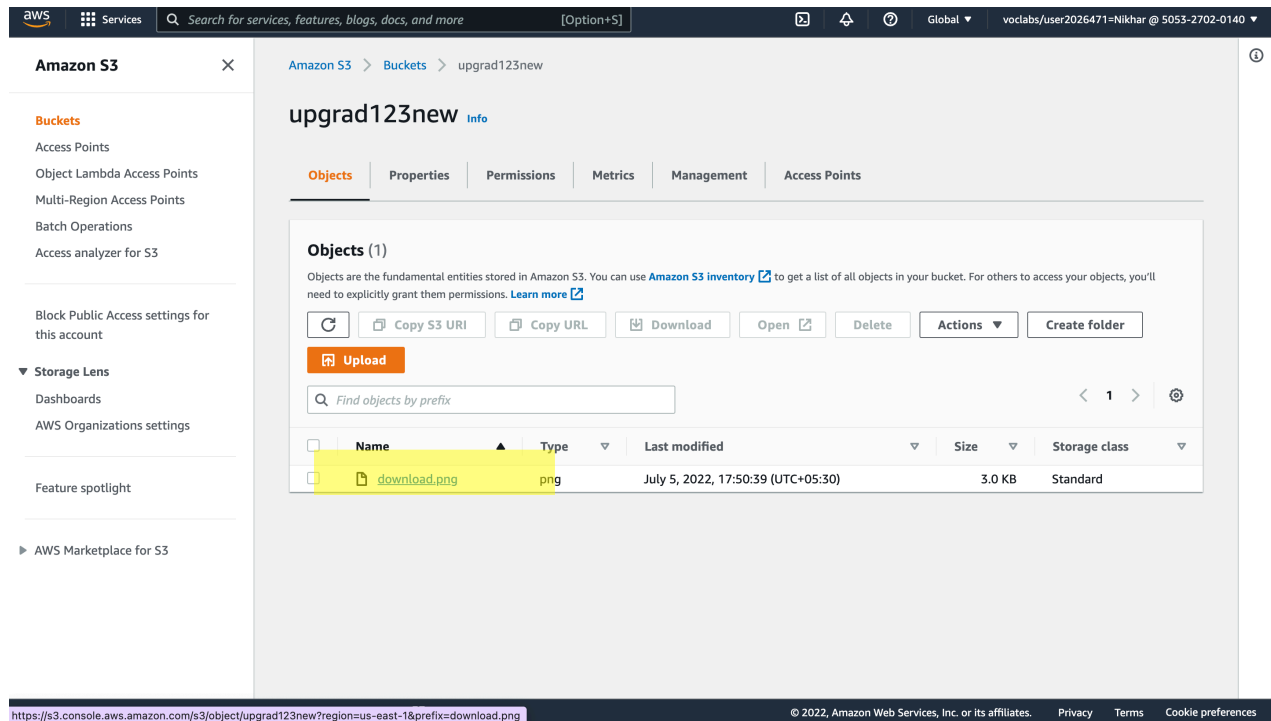
☐ Disable

☒ Enable

-
-
-
4. Click on create bucket.
5. For uploading an object into this bucket, follow the steps mentioned in the previous section.

Downloading a file from S3 bucket

1. Click on the object you want to download.



Amazon S3

Buckets

- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- Access analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

upgrad123new Info

Objects | Properties | Permissions | Metrics | Management | Access Points

Objects (1)

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](#)

Copy S3 URI Copy URL Download Open Delete Actions Create folder

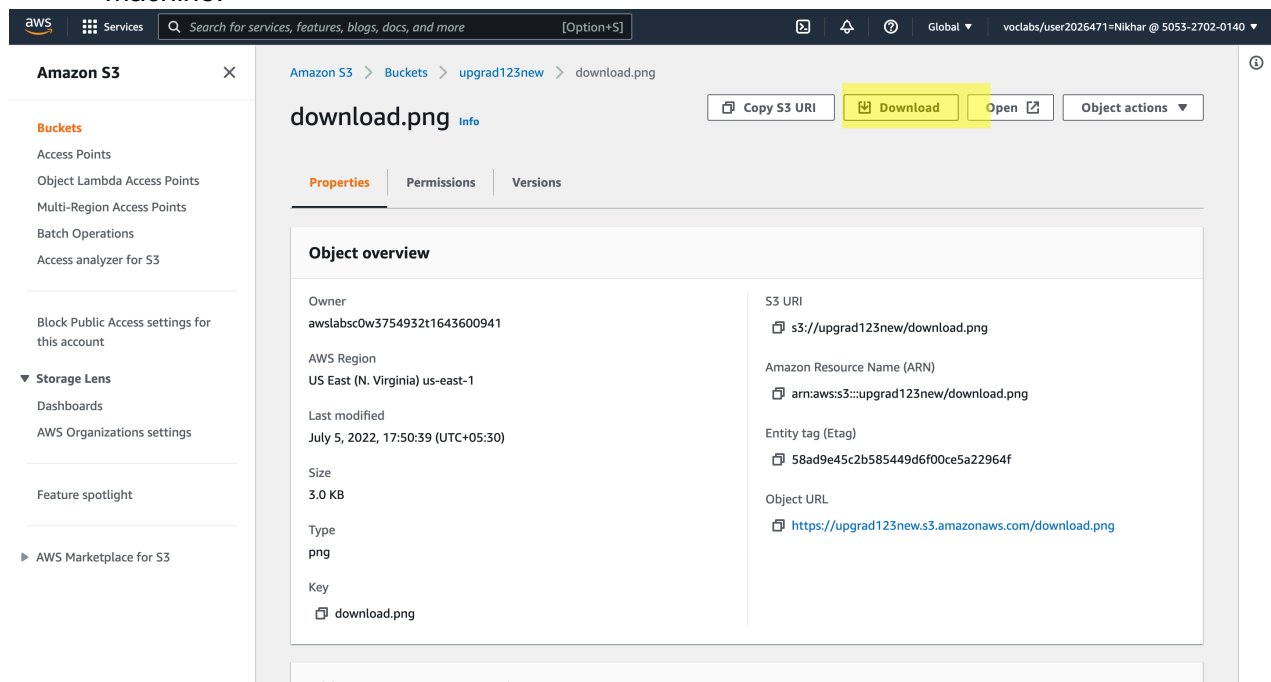
Upload

Find objects by prefix

Name	Type	Last modified	Size	Storage class
download.png	png	July 5, 2022, 17:50:39 (UTC+05:30)	3.0 KB	Standard

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2. Click on the **download** button at the top. The file will get downloaded in your local machine.



Amazon S3

Buckets

- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
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Block Public Access settings for this account

Storage Lens

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Feature spotlight

AWS Marketplace for S3

download.png Info

Copy S3 URI **Download** Open Object actions

Properties | Permissions | Versions

Object overview

Owner aws:sls:aws:iam::aws:role/AmazonS3OutpostsRole	S3 URI s3://upgrad123new/download.png
AWS Region US East (N. Virginia) us-east-1	Amazon Resource Name (ARN) arn:aws:s3:::upgrad123new/download.png
Last modified July 5, 2022, 17:50:39 (UTC+05:30)	Entity tag (Etag) 58ad9e45c2b585449d6f00ce5a22964f
Size 3.0 KB	Object URL https://upgrad123new.s3.amazonaws.com/download.png
Type png	
Key download.png	

Object management overview