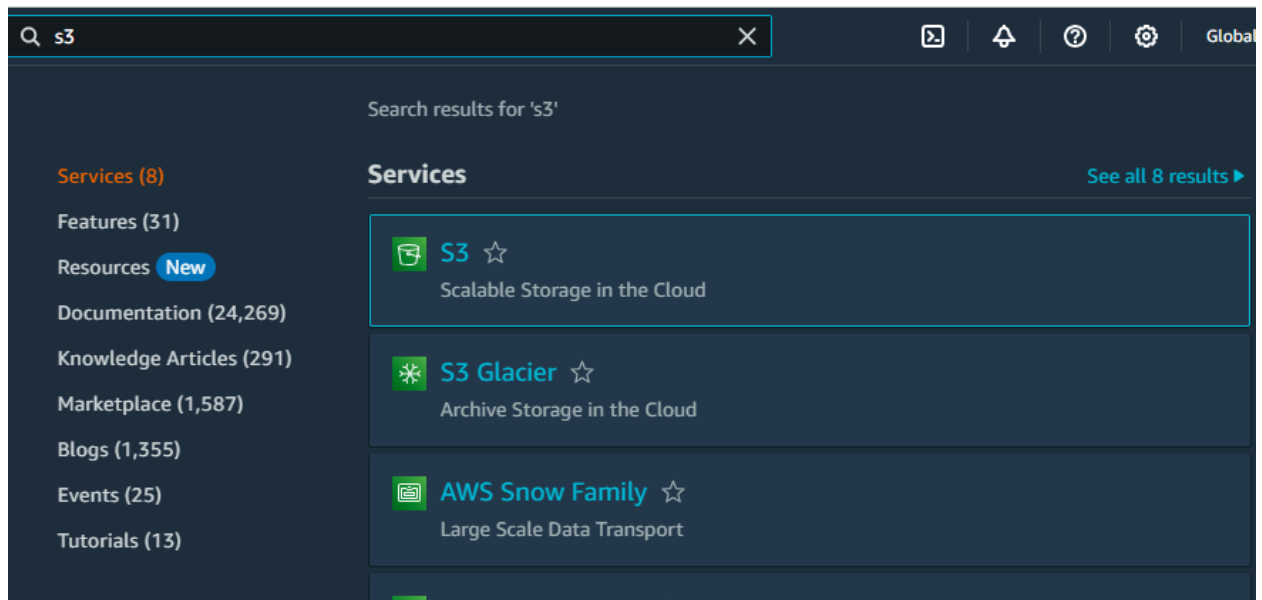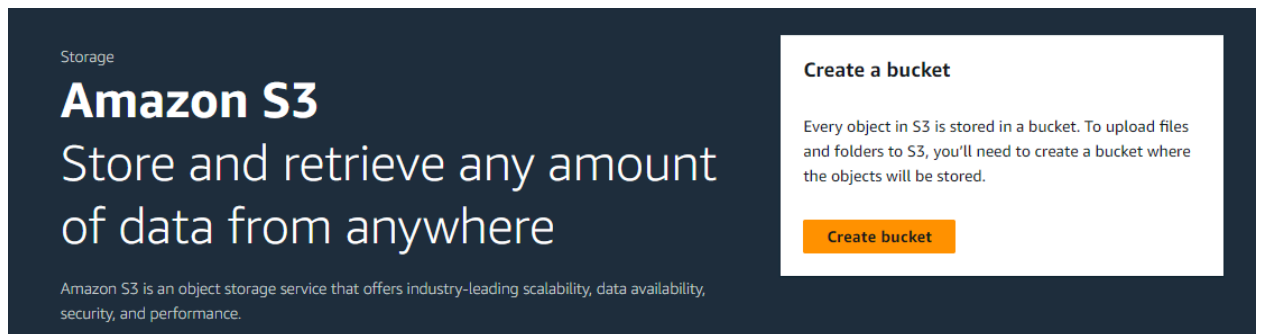Search for S3 in AWS services.

Click on S3

Click on create Bucket

Create bucket Info

Buckets are containers for data stored in S3. Learn more ⧉

General configuration

AWS Region

US East (N. Virginia) us-east-1 ▾

Bucket type | Info

● General purpose	○ Directory - *New*
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.	Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Select us-east-1 region and General purpose bucket type
Give Unique name to your s3 bucket

Bucket name | Info

javafsdciscobatch1

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

If you want to copy some existing bucket to this bucket then from that dropdown select the existing 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.

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.

ACL - Access control list disabled and , block all public access.
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

Tags are optional so you can leave it and also Continue with this default encryption.
Click on create bucket button.

▶ **Account snapshot**

Storage lens provides visibility into storage usage and activity trends. Learn more

View Storage Lens dashboard

General purpose buckets   Directory buckets

General purpose buckets (1) Info

Buckets are containers for data stored in S3. Learn more

Copy ARN | Empty | Delete | **Create bucket**

Find buckets by name

< 1 >

	Name	▲	AWS Region	▽	Access	▽	Creation date	▽
○	javafsdciscobatch1		US East (N. Virginia) us-east-1		Bucket and objects not public		February 22, 2024, 12:38:47 (UTC+05:30)	

Click on the bucket and see the bucket security, details and objects etc..
Click on create folder and create folder named technologies.

Amazon S3 > Buckets > javafsdciscobatch1 > Create folder

Create folder Info

Use folders to group objects in buckets. When you create a folder, S3 creates an object using the name that you specify followed by a slash (/). This object then appears as folder on the console. Learn more

ⓘ **Your bucket policy might block folder creation**
If your bucket policy prevents uploading objects without specific tags, metadata, or access control list (ACL) grantees, you will not be able to create a folder using this configuration. Instead, you can use the upload configuration to upload an empty folder and specify the appropriate settings.

Folder

Folder name

techonology   /

Folder names can't contain "/". See rules for naming

Click on technology and add some files to it.
Click on upload and select multiple files or folder as per requirement.

See uploaded objects.

Click on any object and check object details.

You can see the link generated for Object in Object URL
https://javafsdciscobatch1.s3.amazonaws.com/techonology/laptop.jpg

Here javafsdciscobatch1 is bucket name
/tochnology/laptop.jpg is the folder name and filename

If you try to access that link the access denied error you can see in browser.

← → C ⊙ javafsdciscobatch1.s3.amazonaws.com/techonology/laptop.jpg

G Gmail   ▶ YouTube   📍 Maps   IST Internshala Trainings   🟩 Eduonix-New MERN...
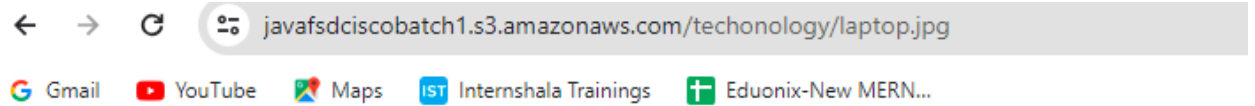
This XML file does not appear to have any style information associated with it. The document tree is shown b

```
▼<Error>
    <script>window._wordtune_extension_installed = true;</script>
    <Code>AccessDenied</Code>
    <Message>Access Denied</Message>
    <RequestId>2WTX00GJ1YQYWNRP</RequestId>
    <HostId>OZkUYKjcIhxgtimp3/82s+Q35eo1cOrGO7YfEmJwLk+cvJnEIRslces3d5r0VRQer4oDIRMMx0Q=</HostId>
</Error>
```

Let's understand Versioning.

In your technology folder upload the same laptop image again, its not going give you any error like the same file existing but it's just uploaded.
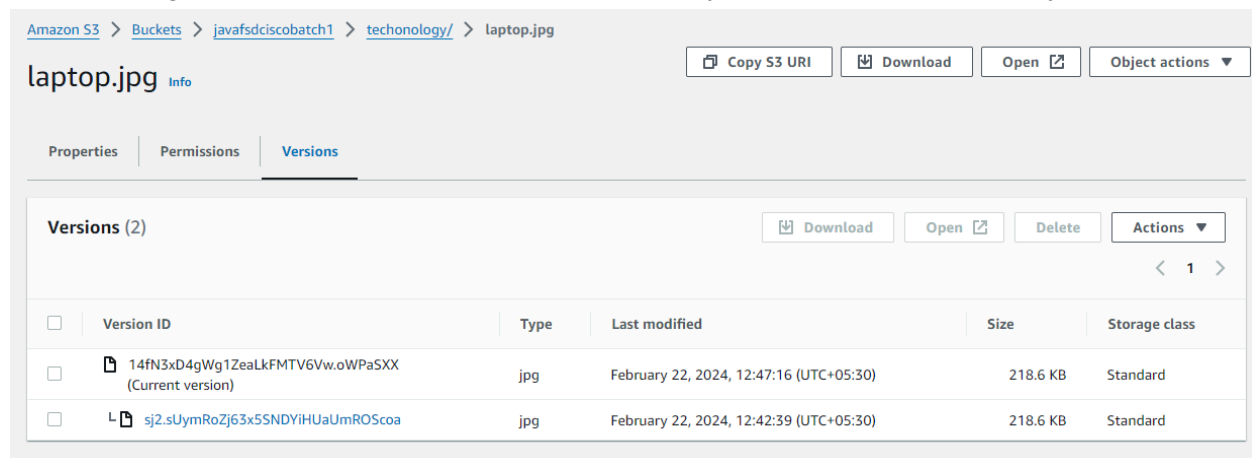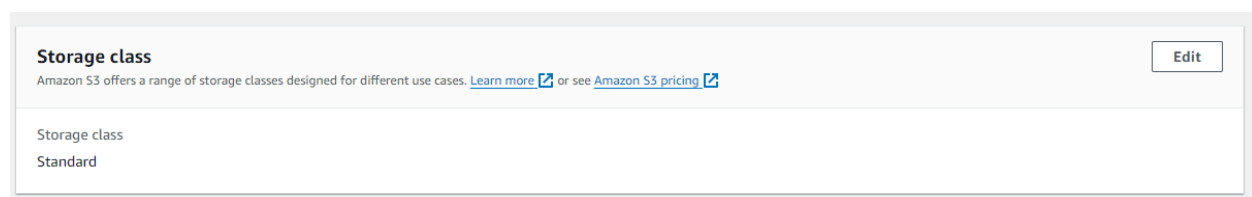.
Click on image uploaded and click on version tab and you can see 2 versions of your file.

Amazon S3 > Buckets > javafsdciscobatch1 > techonology/ > laptop.jpg

laptop.jpg Info

[⧉ Copy S3 URI] [⬇ Download] [Open ↗] [Object actions ▼]

Properties	Permissions	**Versions**

Versions (2)   [⬇ Download] [Open ↗] [Delete] [Actions ▼]

                                                                    < 1 >

	Version ID	Type	Last modified	Size	Storage class
☐	📄 14fN3xD4gWg1ZeaLkFMTV6Vw.oWPaSXX (Current version)	jpg	February 22, 2024, 12:47:16 (UTC+05:30)	218.6 KB	Standard
☐	└📄 sj2.sUymRoZj63x5SNDYiHUaUmROScoa	jpg	February 22, 2024, 12:42:39 (UTC+05:30)	218.6 KB	Standard

If you want use old version file or download old version file is possible here.

To See or change Storage Object Type use below options.
Click on object in properties scroll down.

Storage class   [Edit]
Amazon S3 offers a range of storage classes designed for different use cases. Learn more ↗ or see Amazon S3 pricing ↗

Storage class
Standard

Click on edit.
Check different storages.

Storage class

Amazon S3 offers a range of storage classes designed for different use cases. Learn more [↗] or see Amazon S3 pricing [↗]

	Storage class	Designed for	Availability Zones	Min storage duration	
●	Standard	Frequently accessed data (more than once a month) with milliseconds access	≥ 3	-	-
○	Intelligent-Tiering	Data with changing or unknown access patterns	≥ 3	-	-
○	Standard-IA	Infrequently accessed data (once a month) with milliseconds access	≥ 3	30 days	1
○	One Zone-IA	Recreatable, infrequently accessed data (once a month) stored in a single Availability Zone with milliseconds access	1	30 days	1
○	Glacier Instant	Long-lived archive data accessed once a quarter with instant retrieval in	≥ 3	90 days	1

Select which you want to apply.

Storage class

Amazon S3 offers a range of storage classes designed for diff

Storage class
Standard-IA

Storage class is updated.