

# S3 Assignment

Name: Vikram

## Enable Versioning in S3 Bucket

### Problem Statement

You work for XYZ Corporation. Their application requires a storage service that can store files and publicly share them if required.

Implement **Amazon S3 Versioning** to manage multiple versions of objects in the same bucket.

### Tasks

1. Enable **Versioning** for the bucket created in Task 1.
2. Re-upload any **2 files** already uploaded to verify if versioning works.

### Steps

#### 1. Enable Versioning

- Open the **Amazon S3 console** → Go to the previously created bucket.
- Click on the **Properties** tab.
- Scroll down to the **Bucket Versioning** section → Click **Edit**.
- Select **Enable** and click **Save changes**.

vikram-s3-bucket-15th-oct

Info

Objects

Metadata

Properties

Permissions

Metrics

Management

Access Points

Objects (5)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

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](#)

Find objects by prefix

< 1 >

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">This is a sample text file for S3.txt</a>	txt	October 15, 2025, 09:01:04 (UTC+05:30)	50.0 B	Standard
<input type="checkbox"/>	<a href="#">archive.zip.zip</a>	zip	October 15, 2025, 09:01:03 (UTC+05:30)	76.4 KB	Standard
<input type="checkbox"/>	<a href="#">s3 test report.pdf</a>	pdf	October 15, 2025, 09:00:44 (UTC+05:30)	24.9 KB	Standard
<input type="checkbox"/>	<a href="#">Screenshot 2025-08-20 125559.png</a>	png	October 15, 2025, 09:00:43 (UTC+05:30)	230.3 KB	Standard
<input type="checkbox"/>	<a href="#">small-wind-272153.mp3</a>	mp3	October 15, 2025, 09:01:01 (UTC+05:30)	567.3 KB	Standard

Edit Bucket Versioning [Info](#)

**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**

☐ Suspend  
This suspends the creation of object versions for all operations but preserves any existing object versions.

☒ Enable

After enabling Bucket Versioning, you might need to update your lifecycle rules to manage previous versions of objects.

**Multi-factor authentication (MFA) delete**

An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

Disabled

Cancel

Save changes

2. Verify Versioning

- Go to the **Objects** tab.
- Re-upload **any 2 files** with the same names as before (for example, file1.txt and image1.jpg).
- These files will now have multiple versions stored in the bucket.
- To view the versions:
  - Click **List versions** (at the top-right of the Objects list).
  - You will see the **latest** and **previous** versions of the same files.

Upload [Info](#)

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

**Files and folders** (2 total, 76.4 KB)

RemoveAdd filesAdd folder

All files and folders in this table will be uploaded.

Find by name

☐

Name

▼

Folder

▼

Type

▼

Size

▼

☐archieve.zip.zip

-

application/x-zip-compressed

76.4 KB

☐"This is a sample text file for S3..txt

-

text/plain

50.0 B

**Destination** [Info](#)

Destination

[s3://vikram-s3-bucket-15th-oct](#)

•

## vikram-s3-bucket-15th-oct Info

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

### Objects (7)

[Copy S3 URI](#)[Copy URL](#)[Download](#)[Open](#)[Delete](#)[Actions](#)[Create folder](#)[Upload](#)

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](#)

☒ Show versions[<](#) 1 [>](#)

<input type="checkbox"/>	Name	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">"This is a sample text file for S3..txt"</a>	txt	7_vphj5h8fqdNiWvA9HSy9wCQkEa8Sa8	October 15, 2025, 09:02:39 (UTC+05:30)	50.0 B	Standard
<input type="checkbox"/>	<a href="#">"This is a sample text file for S3..txt"</a>	txt	null	October 15, 2025, 09:01:04 (UTC+05:30)	50.0 B	Standard
<input type="checkbox"/>	<a href="#">archive.zip.zip</a>	zip	gyGPVDV17XW5WyE0voBGkHKduycF3Tli	October 15, 2025, 09:02:37 (UTC+05:30)	76.4 KB	Standard
<input type="checkbox"/>	<a href="#">archive.zip.zip</a>	zip	null	October 15, 2025, 09:01:03 (UTC+05:30)	76.4 KB	Standard

## ☒ Result:

Versioning was successfully enabled on the S3 bucket.

Re-uploaded files now have multiple versions, proving that versioning is working as expected.