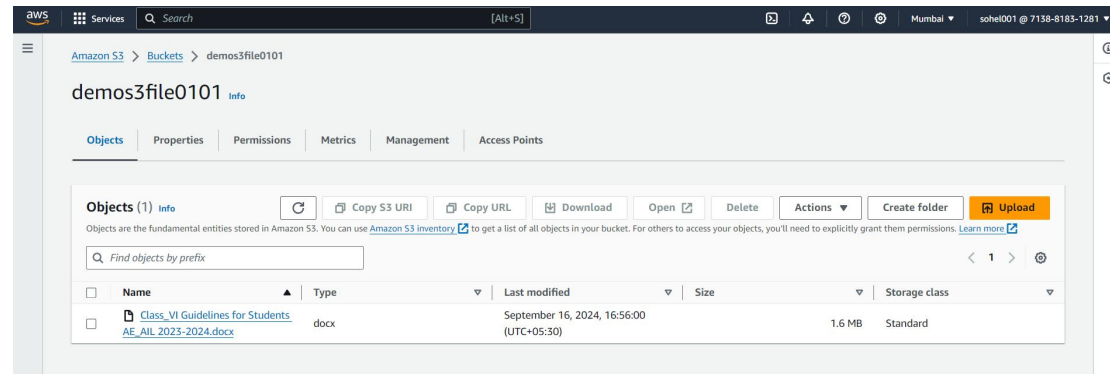


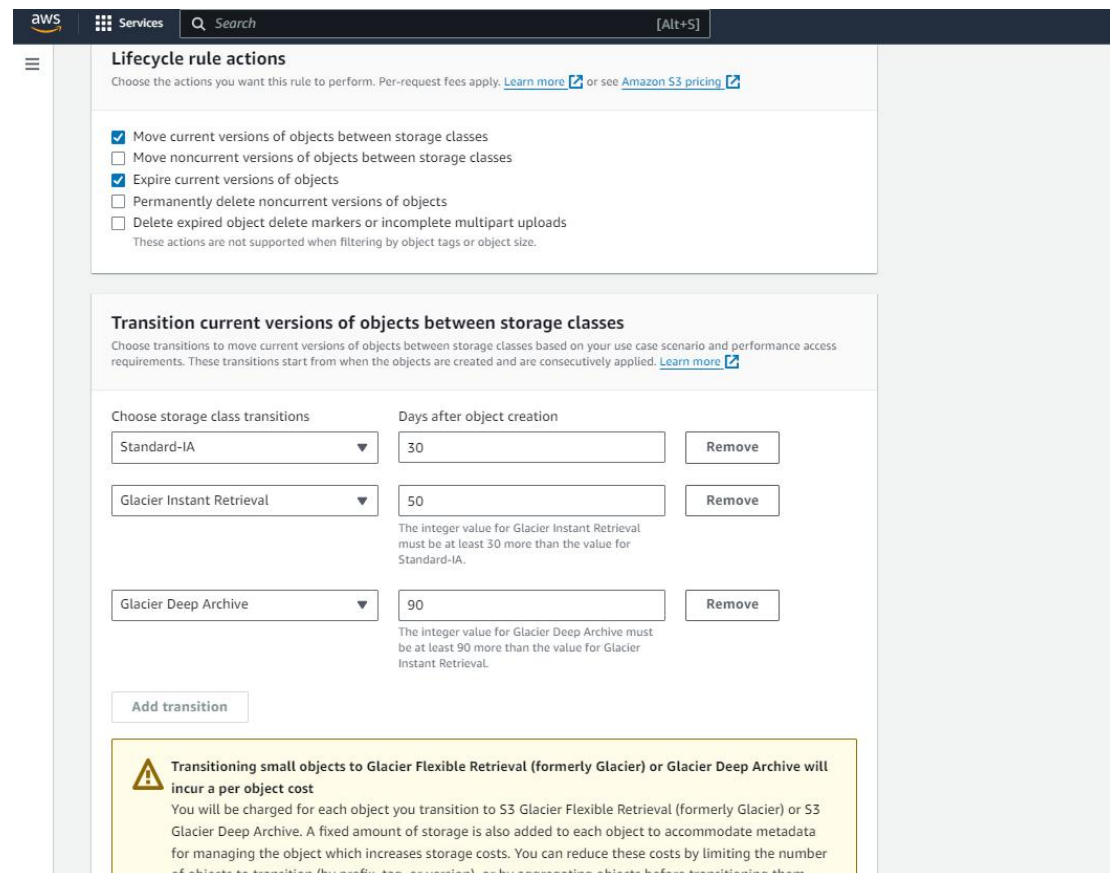
AWS S3 Lifecycle Policy

1. AWS Life cycle

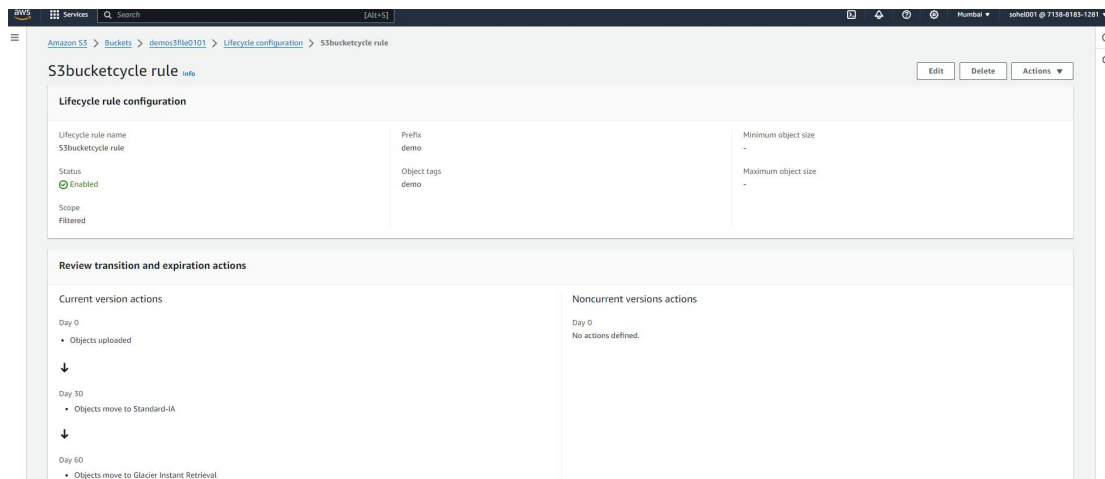
A. Create a public bucket and object in that bucket and make it public



B. Creating rule and apply S3 life cycle policy to bucket

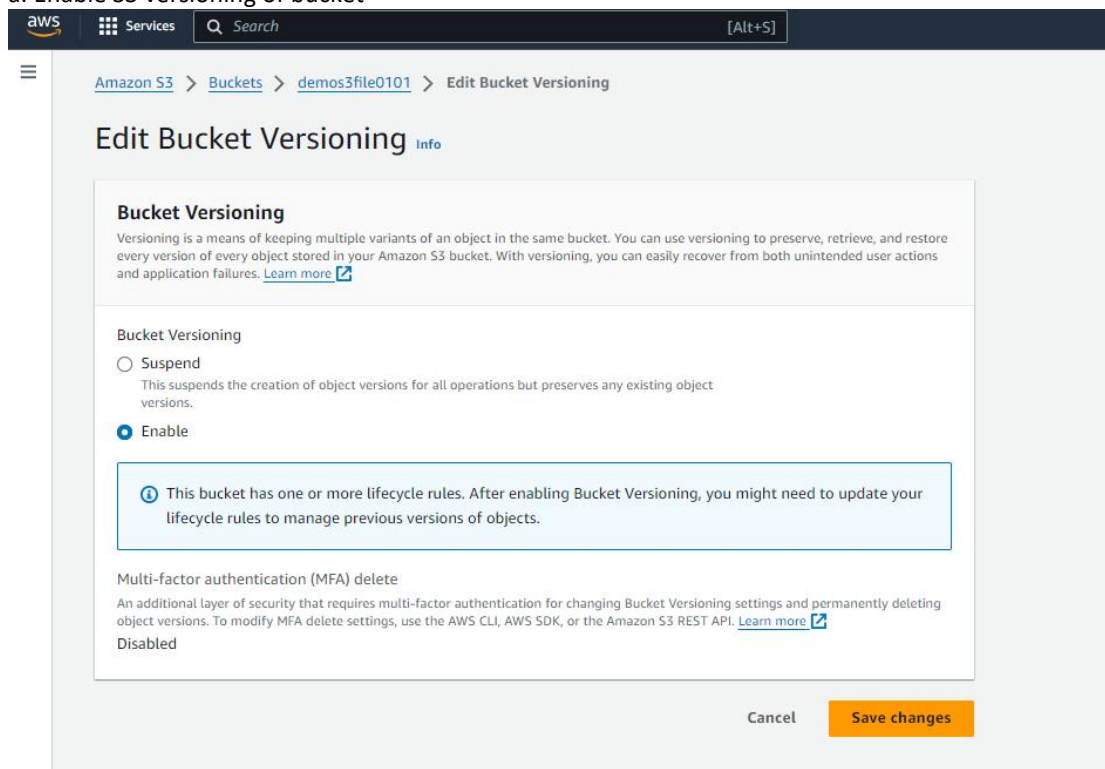


C. S3 Life cycle configuration

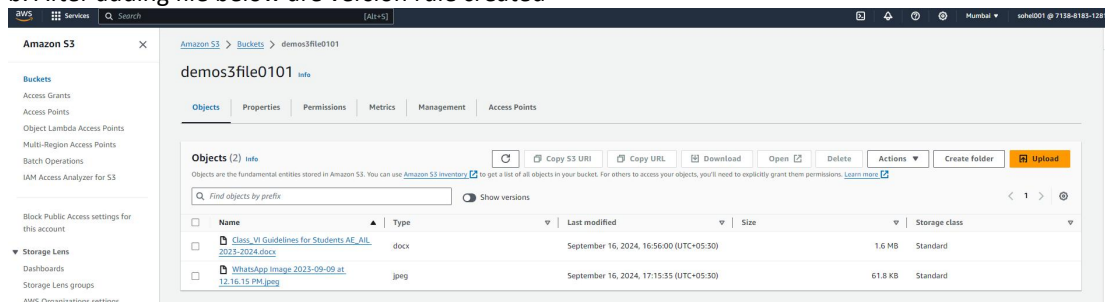


2. S3 Versioning

a. Enable S3 versioning of bucket



b. After adding file below are version rule created



3. Cross region replication

A. Create one more bucket in other region

Successfully created bucket "mydestinationbucket001"
To upload files and folders, or to configure additional bucket settings, choose [View details](#).

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](#) [Refresh](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

Buckets are containers for data stored in S3.

Find buckets by name

Name	AWS Region	IAM Access Analyzer	Creation date
demos3file0101	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	September 16, 2024, 16:50:53 (UTC+05:30)
mydestinationbucket001	Asia Pacific (Singapore) ap-southeast-1	View analyzer for ap-southeast-1	September 16, 2024, 17:25:24 (UTC+05:30)

B. Added in destination bucket

Source bucket

Source bucket name
demos3file0101

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

Choose a rule scope

☐ Limit the scope of this rule using one or more filters

☒ Apply to all objects in the bucket

Destination

Destination

You can replicate objects across buckets in different AWS Regions (Cross-Region Replication) or you can replicate objects across buckets in the same AWS Region (Same-Region Replication). You can also specify a different bucket for each rule in the configuration. [Learn more](#)

☒ Choose a bucket in this account

☐ Specify a bucket in another account

Bucket name

Choose the bucket that will receive replicated objects.

mydestinationbucket001 [Browse S3](#)

Destination Region
Asia Pacific (Singapore) ap-southeast-1

C. After adding new file go in the destination bucket

Replicate existing objects? [X](#)

You can enable a one-time Batch Operations job from this replication configuration to replicate objects that already exist in the bucket and to synchronize the source and destination buckets. [Learn more](#) or [see pricing](#)

Existing objects

☒ No, do not replicate existing objects.

☐ Yes, replicate existing objects.

[Cancel](#) [Submit](#)

D. To configure replication rule

Replication configuration successfully updated
If changes to the configuration aren't displayed, choose the refresh button. Changes apply only to new objects. To replicate existing objects with this configuration, choose **Create replication job**.

Amazon S3 > Buckets > demos3file0101 > Replication rules

Replication rules

Replication enables automatic and asynchronous copying of objects across buckets in the same or different AWS Regions. A replication configuration is a set of rules that define what options should be applied to a group of objects during replication.

Replication configuration settings

Configuration settings affect all replication rules in the bucket.

Source bucket: demos3file0101
Source Region: Asia Pacific (Mumbai) ap-south-1
IAM role: [AWSServiceRoleForTrustedAdvisor](#)

Replication rules (1)

Use replication rules to define options you want Amazon S3 to apply during replication such as server-side encryption, replica ownership, transitioning replicas to another storage class, and more. [Learn more](#)

Replication rule name	Status	Destination bucket	Destination Region	Priority	Scope	Storage class	Replica owner	Replication Time Control	KMS-encrypted objects (SSE-KMS or DSSE-KMS)	Replica modification sync
0101	Enabled	s3://mydestinationbucket001	Asia Pacific (Singapore) ap-southeast-1	0	Entire bucket	Same as source	Same as source	Disabled	Do not replicate	Disabled

E. Upload new file in source bucket

Amazon S3 > Buckets > demos3file0101

demos3file0101

Objects (2)

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: Show versions

Name	Type	Last modified	Size	Storage class
Class_VI_Guidelines_for_Students_AE_Alt_2023-2024.docx	docx	September 16, 2024, 16:56:00 (UTC+05:30)	1.6 MB	Standard
WhatsApp Image 2023-09-09 31:12:16.jpeg	jpeg	September 16, 2024, 17:42:39 (UTC+05:30)	85.4 KB	Standard

F. We can see its present in the destination bucket

Amazon S3 > Buckets > mydestinationbucket001

mydestinationbucket001

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](#)

Find objects by prefix: Show versions

Name	Type	Last modified	Size	Storage class
WhatsApp Image 2023-09-09 at 12:16:05 PM.jpeg	jpeg	September 16, 2024, 17:43:41 (UTC+05:30)	85.4 KB	Standard