CROSS-REGION REPLICATION OF S3 BUCKETS

-BY

K.MANICHANDU

S3 bucket :

- Amazon S3 is a simple storage service with limitless storage.
- It is a pay-as-you-go service.
- It is best known for its data performance, durability, flexible storage options, security, compliance, and auditing.
- In this documentation we will learn how to replicate files from one bucket in one region to another bucket located in another region.

Cross-region replication :

- First, we have to create two buckets in two regions.
- Log into your Amazon console. Go to the S3 feature.
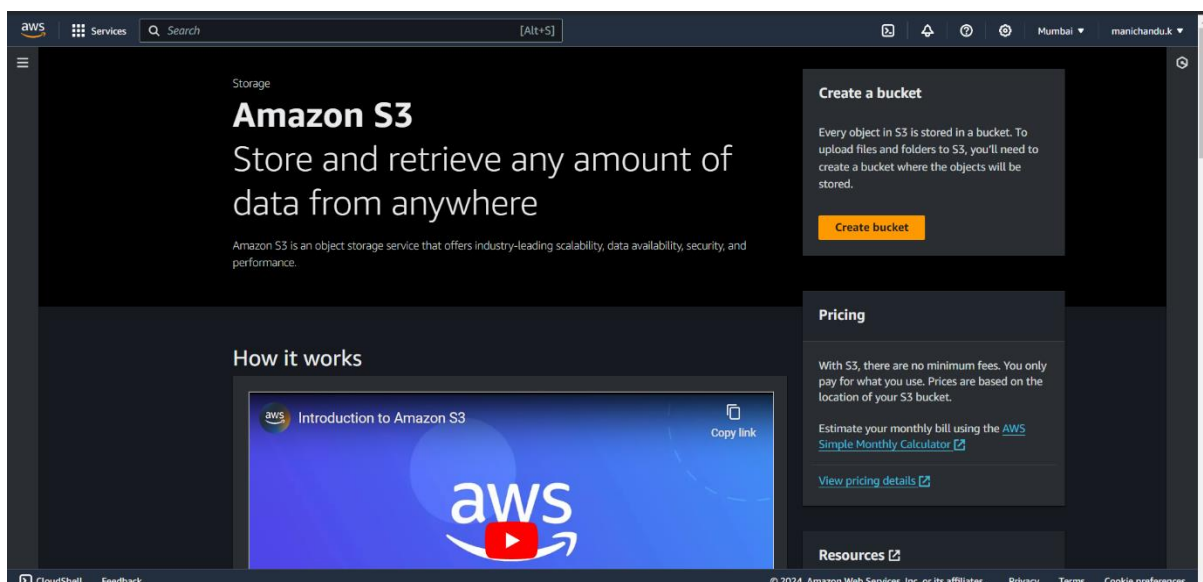
- Click on Create a bucket and give a name for the bucket. The name should be unique as no two buckets will not have the same name.
- Keep the other options default except versioning.
- Here we should enable versioning to ensure cross-region replication as replication will not be enabled without versioning.

- Click on create bucket and your bucket will be created.
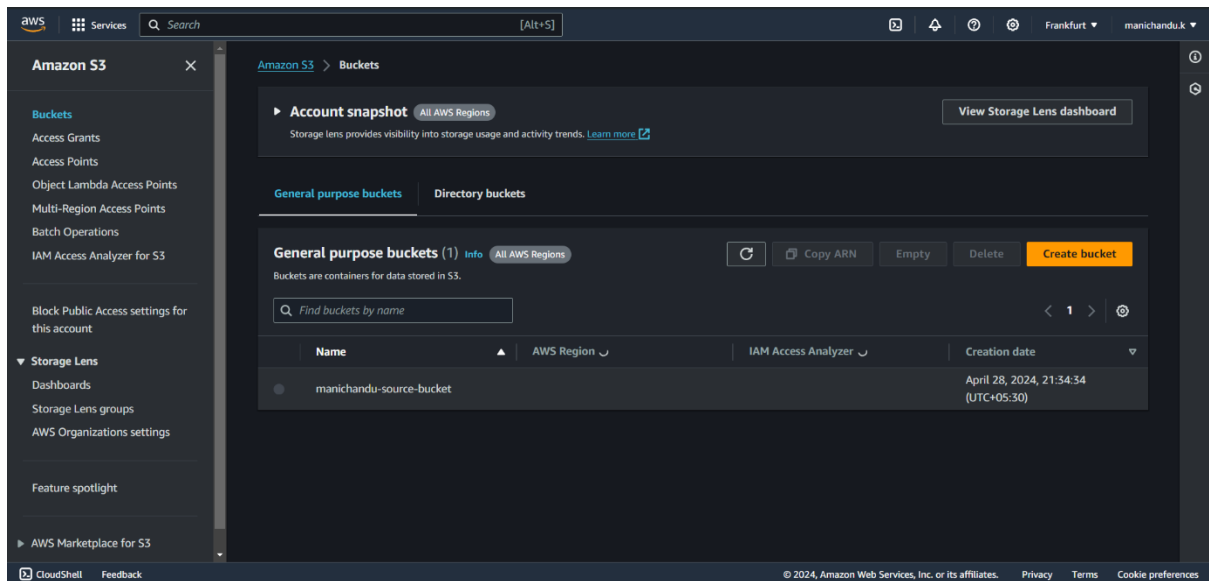
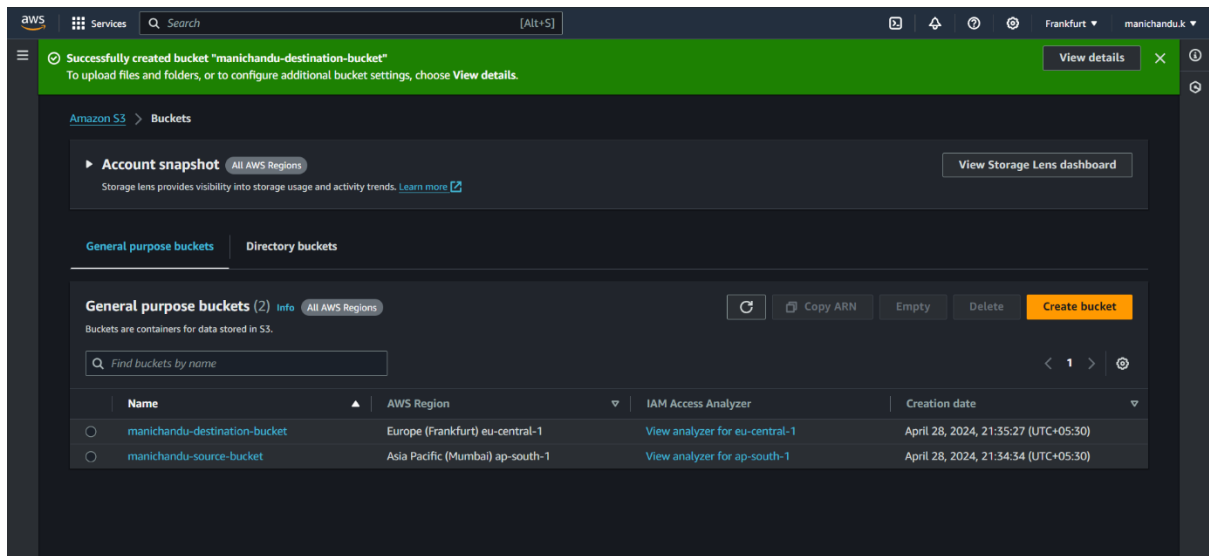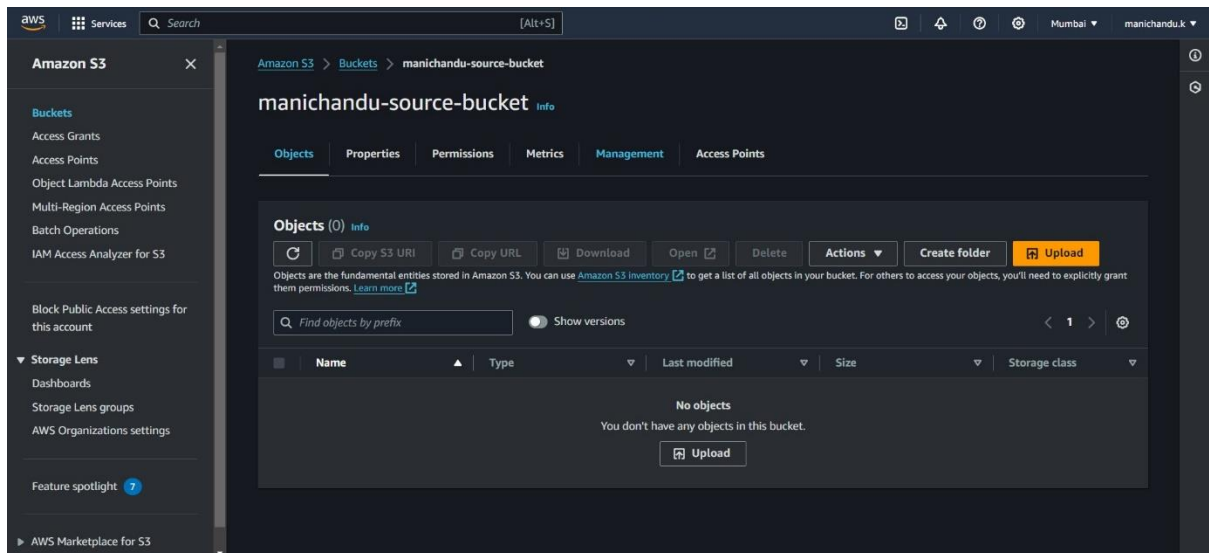- Now, move to another region, here I selected Frankfurt which will be in Europe.
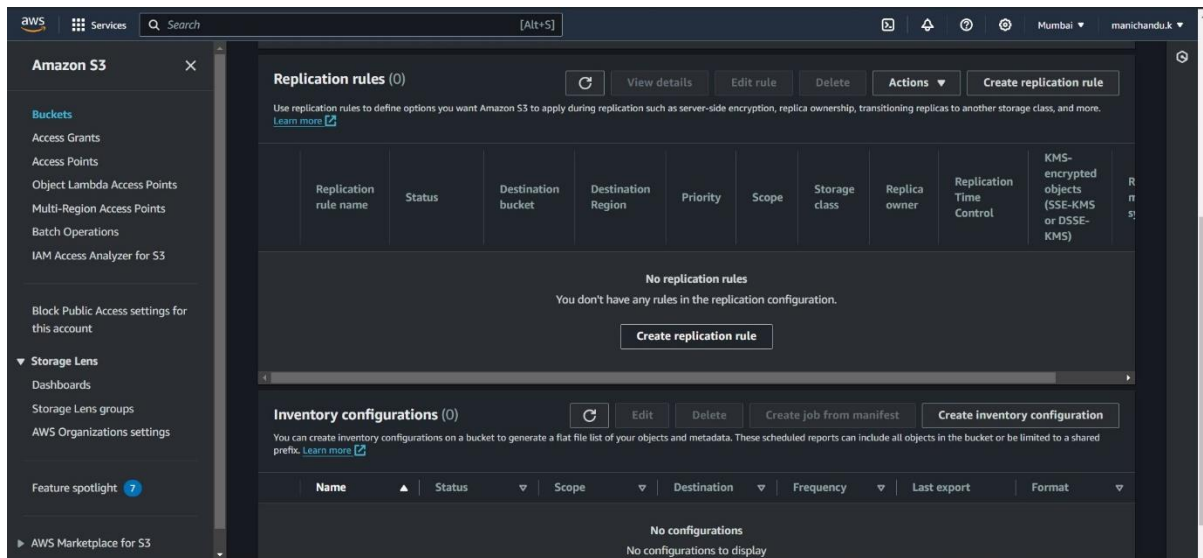- Create an S3 bucket in the Frankfurt region enabling bucket versioning.
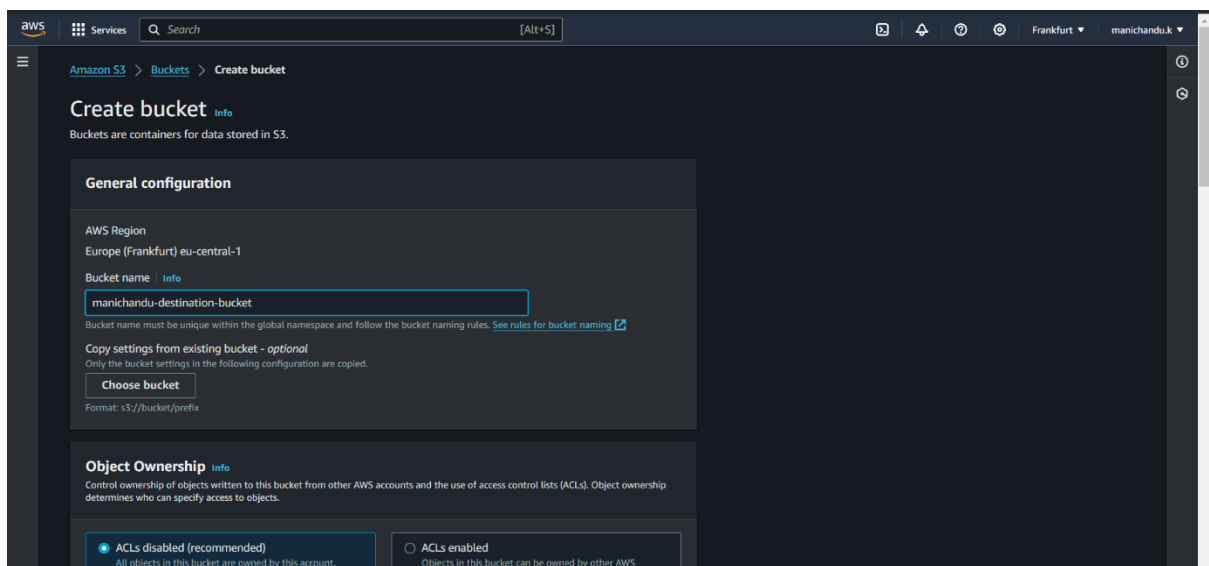
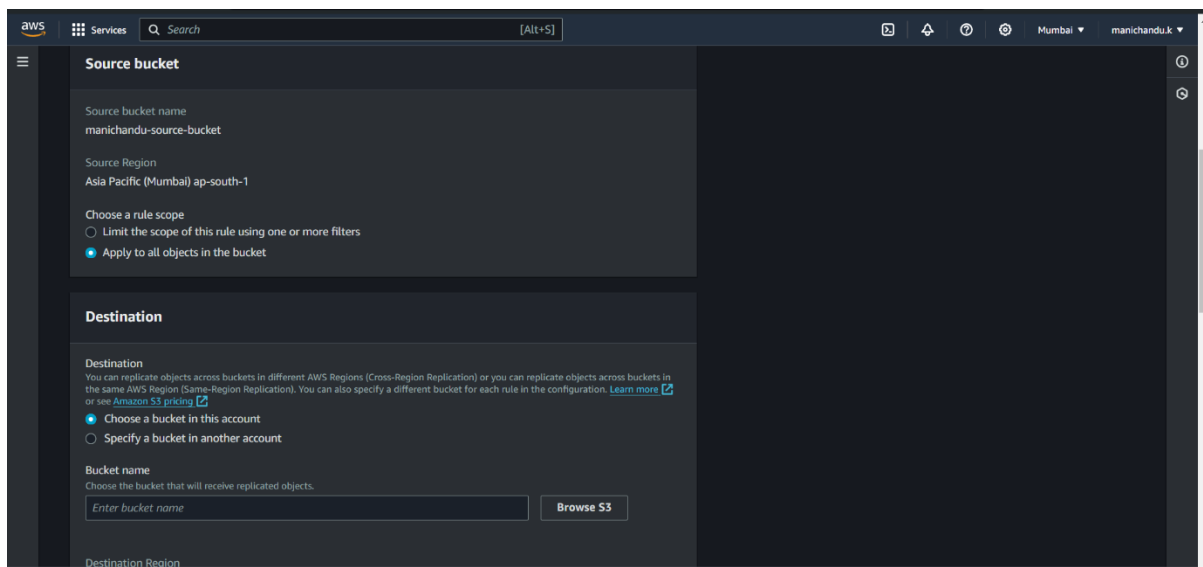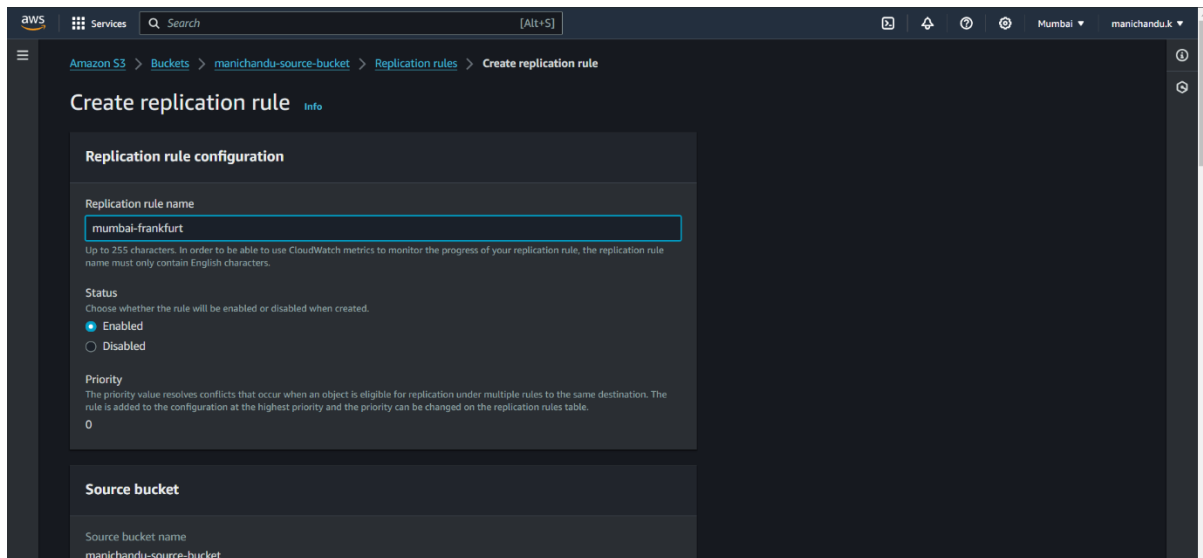- We have created one bucket each in two regions.

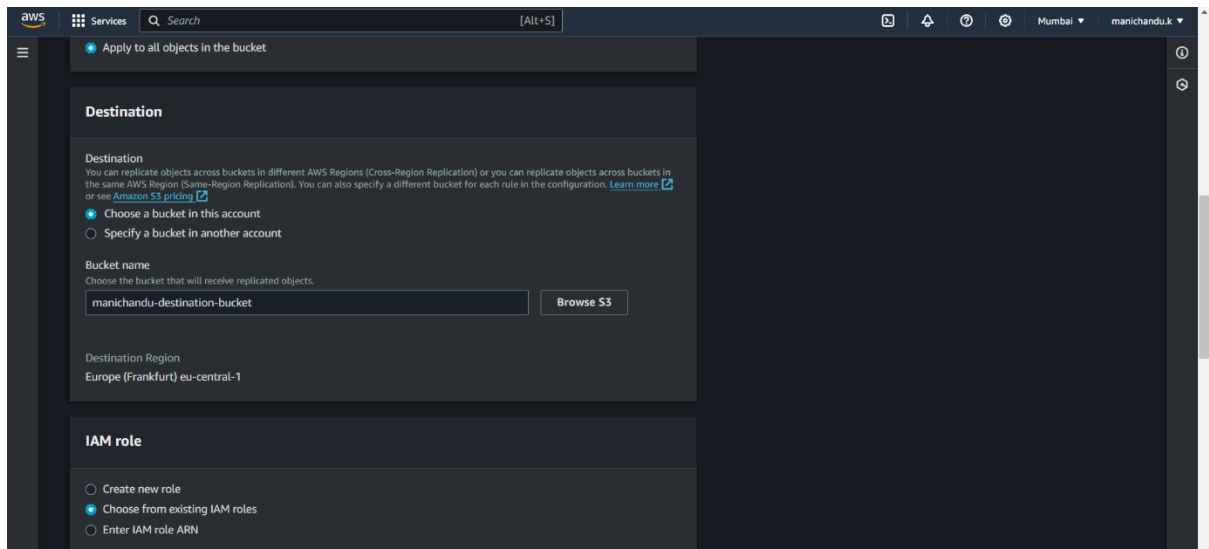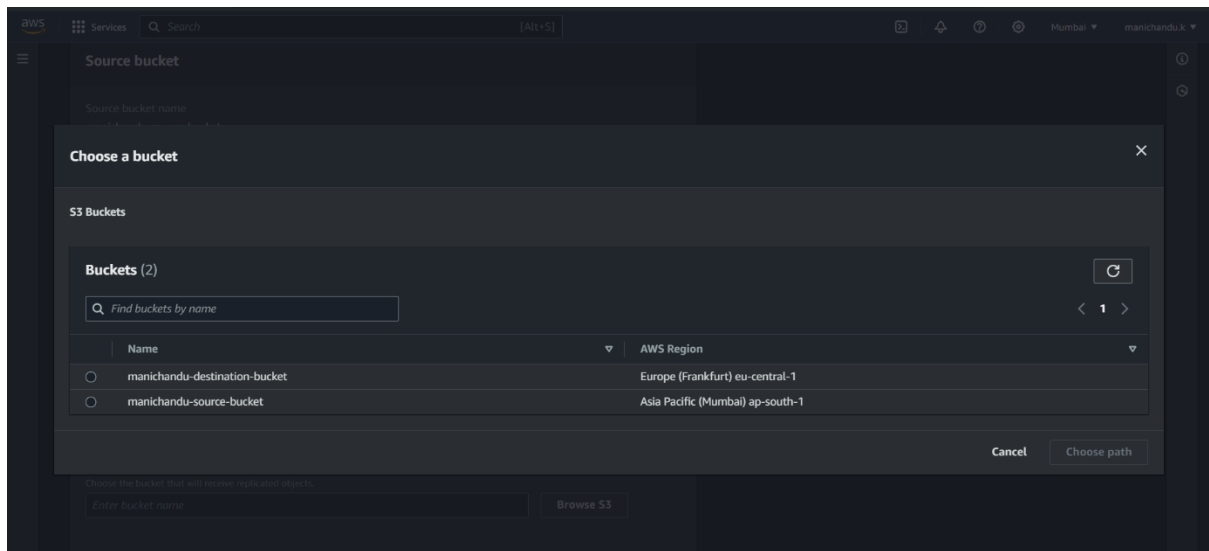- Go to your source bucket and click on management.

- Click on create replication rules.

- Give a name for the replication rule

- When selecting an option for Choose a rule scope, select Apply to all objects or you can put a tag where a selected folder or files only will be replicated to the other bucket.
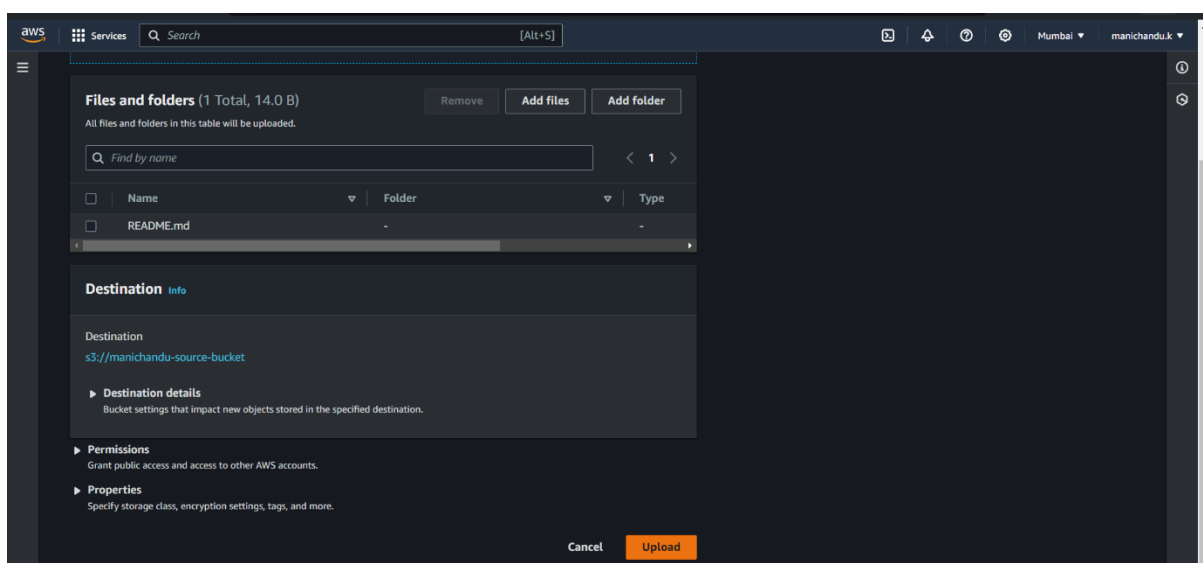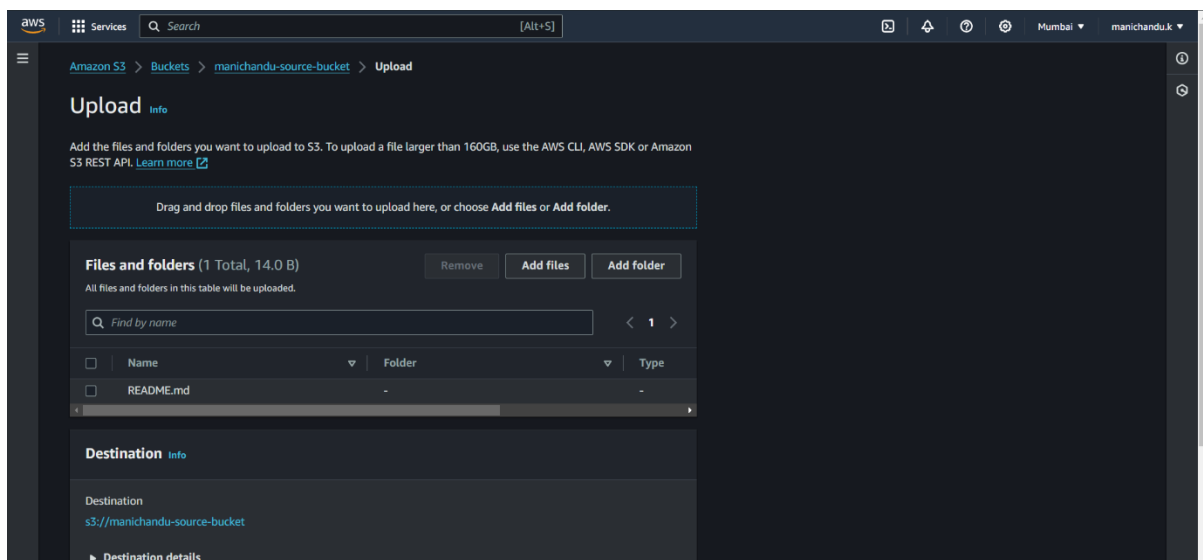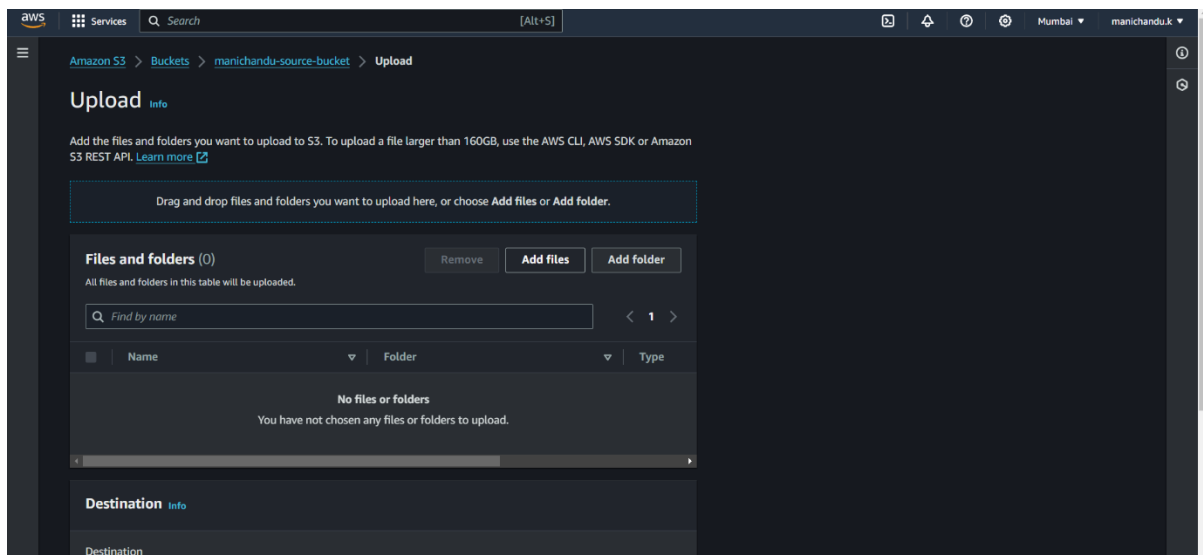- Now choose the destination bucket.

- When choosing an IAM role, click on create new role.
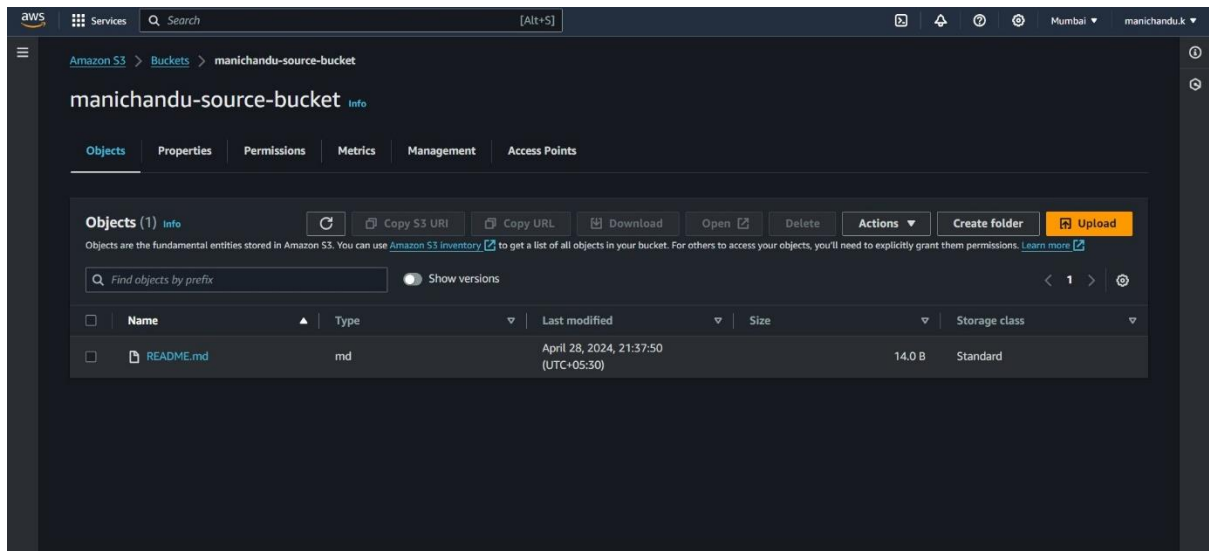- Click on create and we will get a pop-up like this.
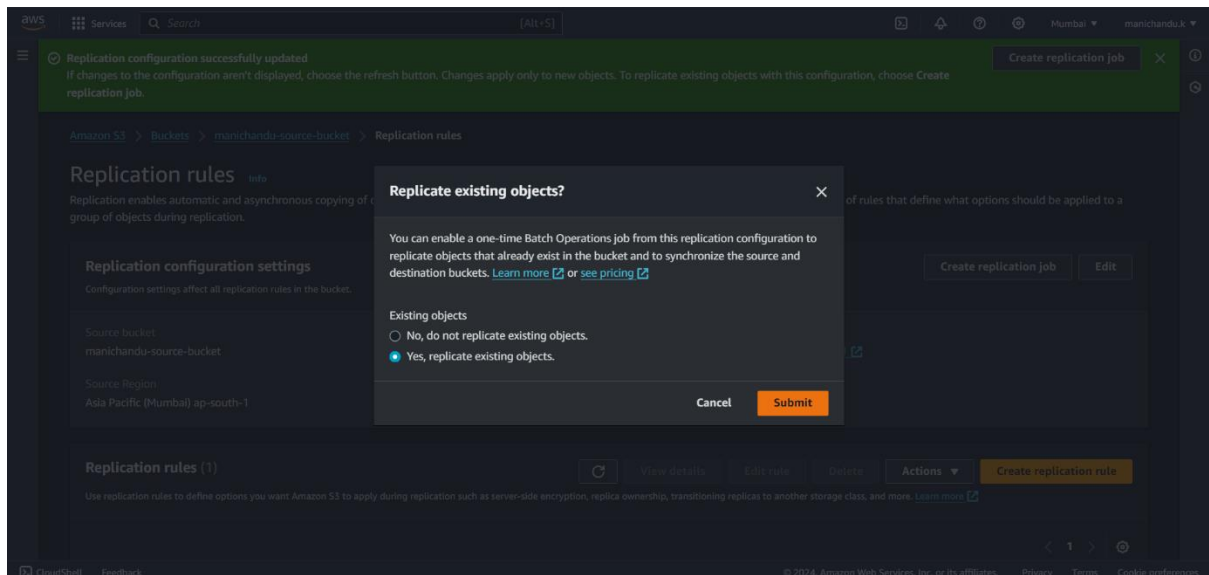
- If you have objects already in your bucket and want them to be replicated, select 'yes, replicate existing objects.'
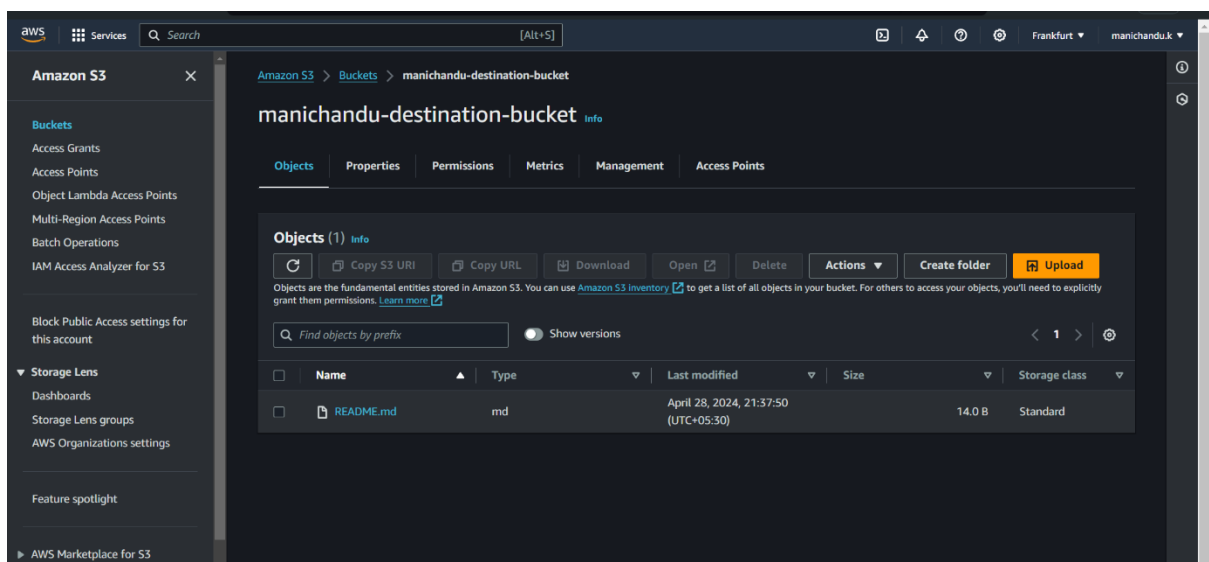- Now go to the source bucket and upload a file in the bucket.
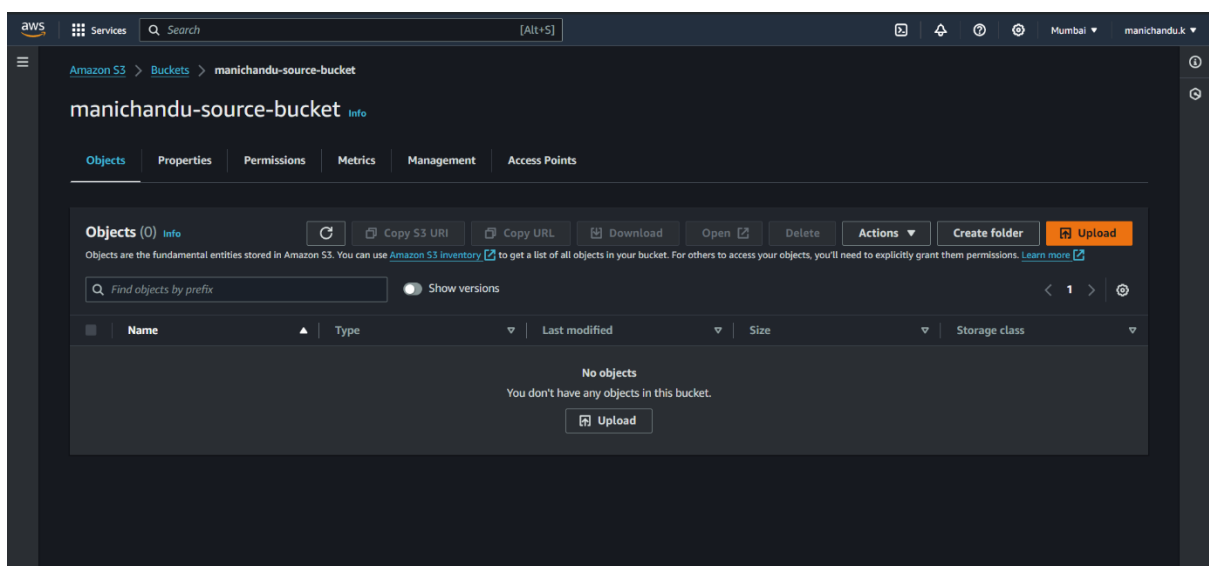
- Click on upload, and click on add files.

- Click on upload.

- After a while, we will see the replicated file in the destination bucket.

- Cross-region replication of S3 buckets is successfully done.