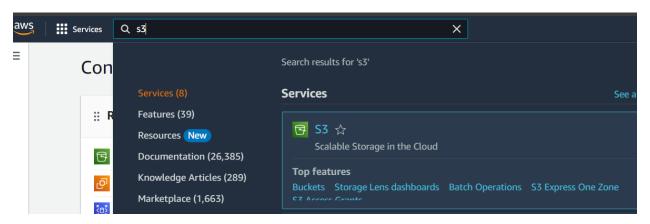
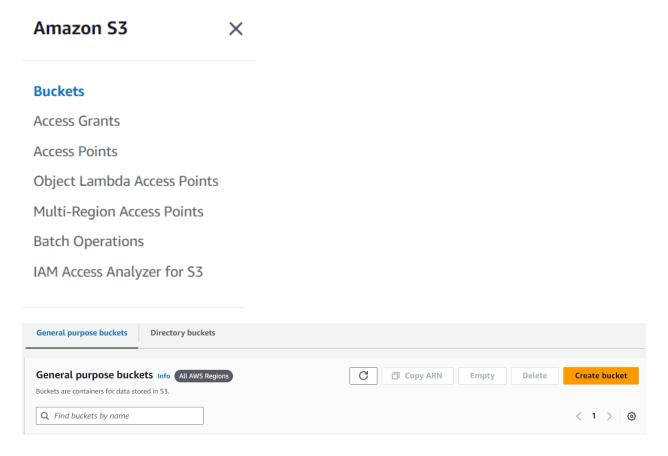
Assingment-3

TASK: Create two S3 buckets in different regions, upload a file in one S3 bucket and transfer the same file from one S3 bucket to other S3 bucket.

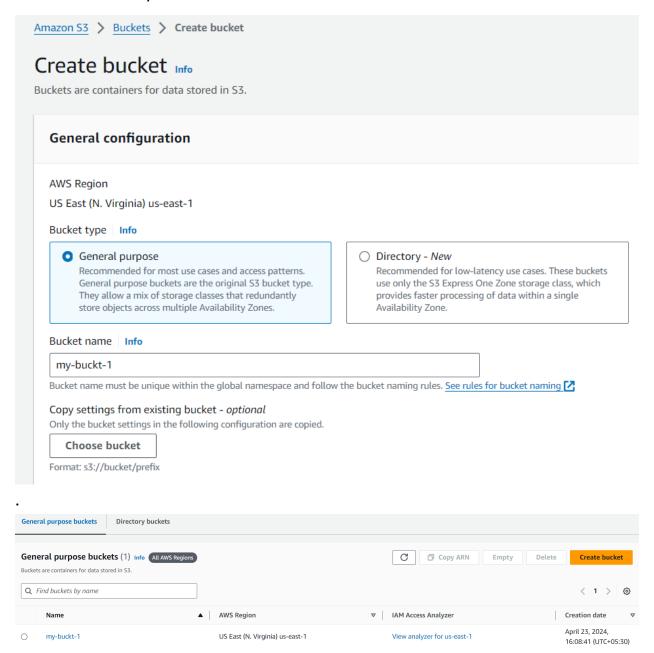
Search for S3 in search bar of AWS home page and click on S



→Click on **Buckets** option on left panel and click on **Create bucket** button.



→ here we have to select Availability Zone and give name of the bucket of our choice. And finally click on Create bucket.



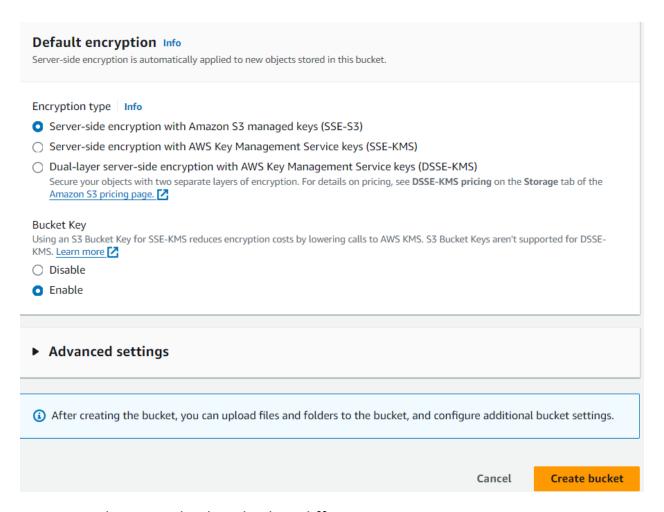
- →Now create another bucket in a different region.
- →Go to **Buckets**, click on Create bucket. Here select a different Region (I have selected Mumbai region) and give name and Create bucket.

Tags - optional (0)

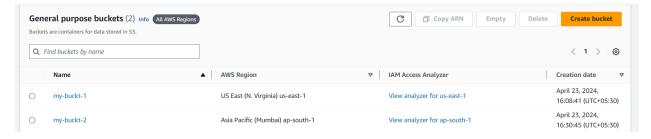
You can use bucket tags to track storage costs and organize buckets. Learn more 🔀

No tags associated with this bucket.

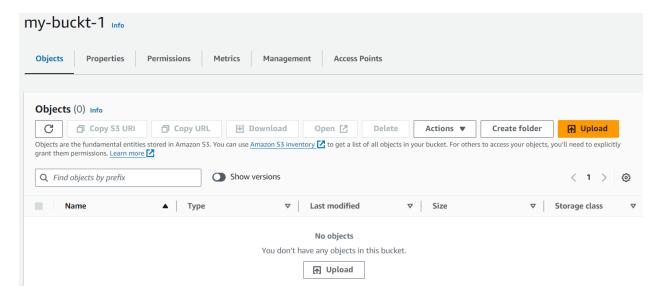
Add tag



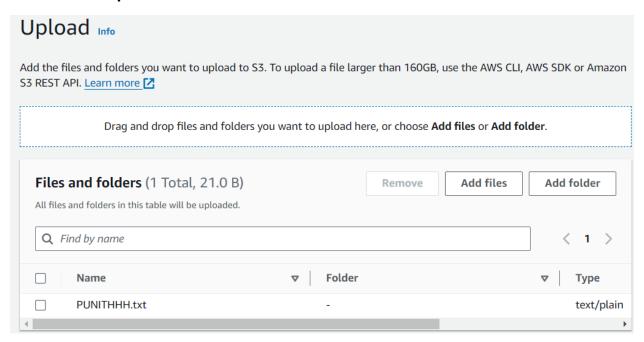
>>Now we have two buckets both in different regions.



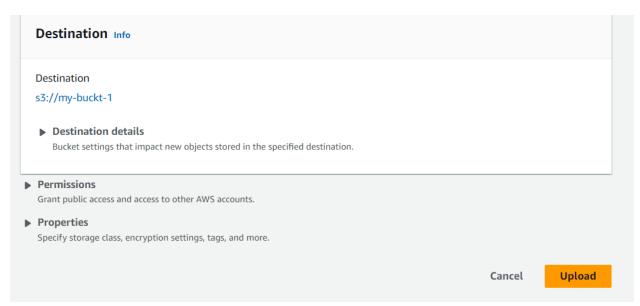
→ Now go to source bucket (my-buckt-1), upload any file. We can upload folders as well. Here I'm just uploading a simple text file (PUNITHH.txt).



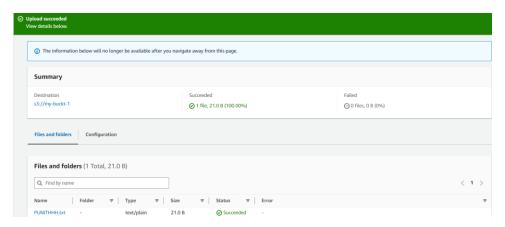
→ click on Upload option and then click on Add files option and select our file and click on Open



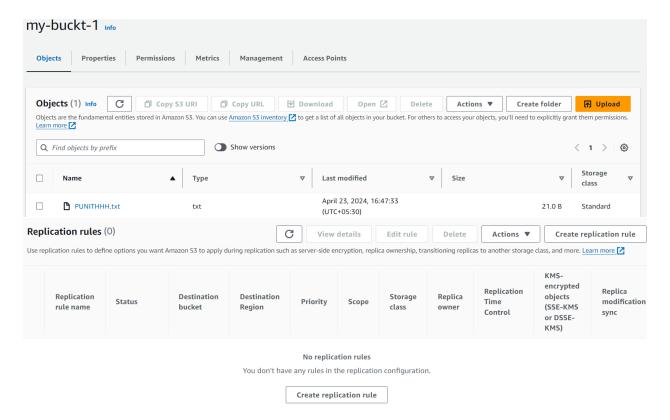
→ finally click on Upload



→Now our file uploaded successfully. Click on Close button to close upload status notification.



→ now click on **Management** and click on **Create replication rule** in Replication rules area



→ give name and select Apply to all objects in the bucket option

Amazon S3 > Buckets > my-buckt-1 > Replication rules > Create replication rule
Create replication rule Info
Replication rule configuration
Replication rule name
MY-RULE-1
Up to 255 characters. In order to be able to use CloudWatch metrics to monitor the progress of your replication rule, the replication rule name must only contain English characters.
Status Choose whether the rule will be enabled or disabled when created.
• Enabled
○ Disabled
Priority The priority value resolves conflicts that occur when an object is eligible for replication under multiple rules to the same destination. The rule is added to the configuration at the highest priority and the priority can be changed on the replication rules table.
Source bucket

Source bucket name

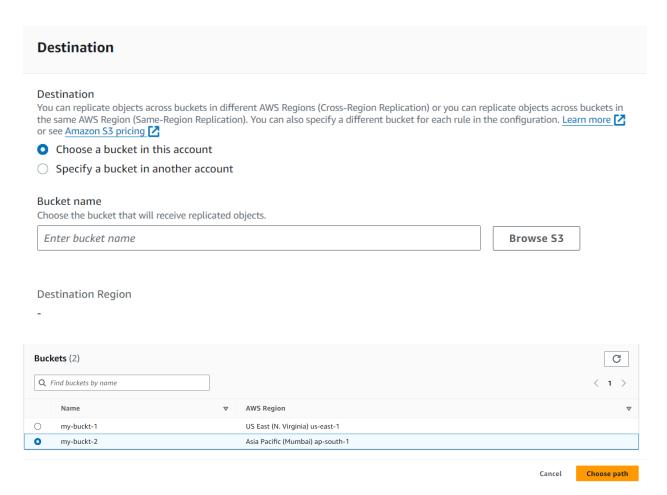
my-buckt-1

Source Region

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

Choose a rule scope

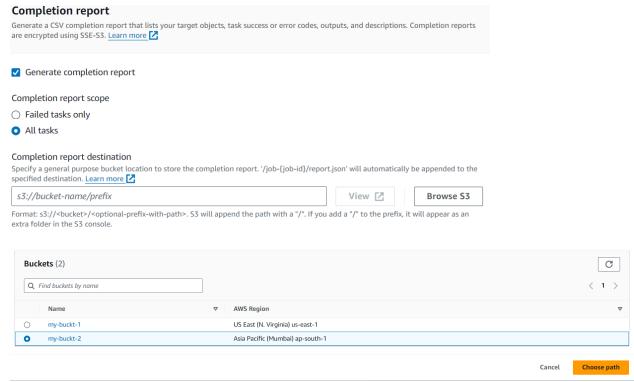
- $\ensuremath{\bigcirc}$ Limit the scope of this rule using one or more filters
- Apply to all objects in the bucket
- → under Destination field, click on **Browse S3** to choose our destination bucket
- → select our Destination bucket (my-buckt-2) and click on Choose path option.



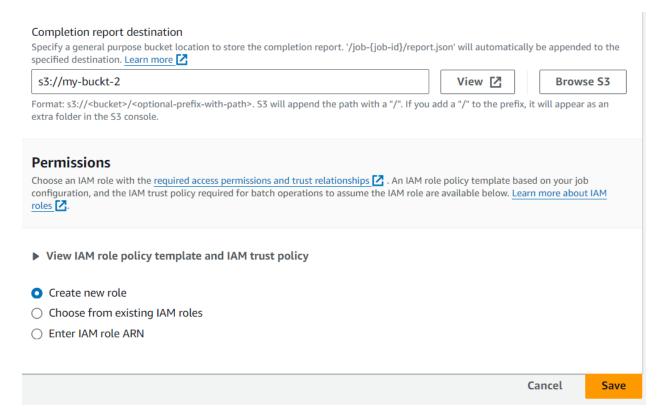
→ Now, Under IAM role, select **Create new role** option and select **Replication Time Control (RTC)** option under Additional replication options and finally click on Save button.

hoose the bucket that will receive replicated objects.	
my-buckt-2	Browse S3
estination Region	
sia Pacific (Mumbai) ap-south-1	
AM role	
Create new role	
Choose from existing IAM roles	
Enter IAM role ARN	
incryption erver-side encryption protects data at rest.	
Replicate objects encrypted with AWS Key Management Service (AWS KMS) Replicate SSE-KMS and DSSE-KMS encrypted objects.	
dditional replication options	
Replication Time Control (RTC) Replication Time Control replicates 99.99% of new objects within 15 minutes and includes replication metrics. Additional fees will apply. Learn more	
Replication metrics With replication metrics, you can monitor the total number and size of objects that are pending replication, and the maximum replication time to the destination Region. You can also view and diagnose replication failures. CloudWatch metrics fees apply. Learn more of the destination region. You can also view and diagnose replication failures.	<u>n</u>
⑤ To publish event notifications to a destination whenever replication events occur, set S3 event notifications or CloudWatch alarms before replication begins. <u>Learn more</u>	r
Delete marker replication Delete markers created by S3 delete operations will be replicated. Delete markers created by lifecycle rules are not replicated. Learn more	1
Replica modification sync Replicate metadata changes made to replicas from the destination bucket to the source bucket. Learn more	
Cancel S	iave

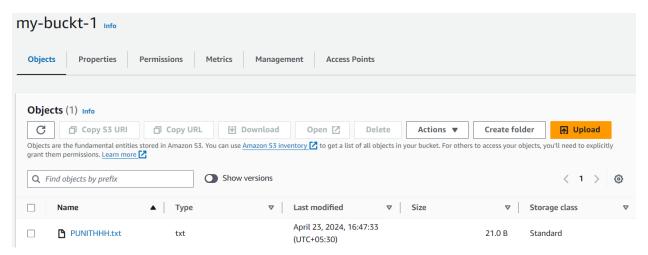
- → Now, Replicate existing objects? Dialogue box will appear. Select Yes, replicate existing objects option and click on Submit.
- → now click on **Browse S3** under Completion report field and select our destination bucket and click on Choose path option



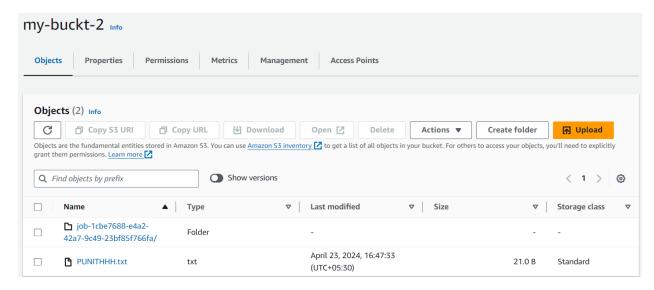
→under **Permissions** field, select **Create new role** and finally click on Save button.



- → now go and check whether our file replicated or not.
- → go to source bucket, and there we can our text file which we uploaded (i.e. PUNITHHH.txt)



→ Now go to destination bucket, and check whether the same file is there are not.



→from above pic, it is clear that our file is replicated successfully.