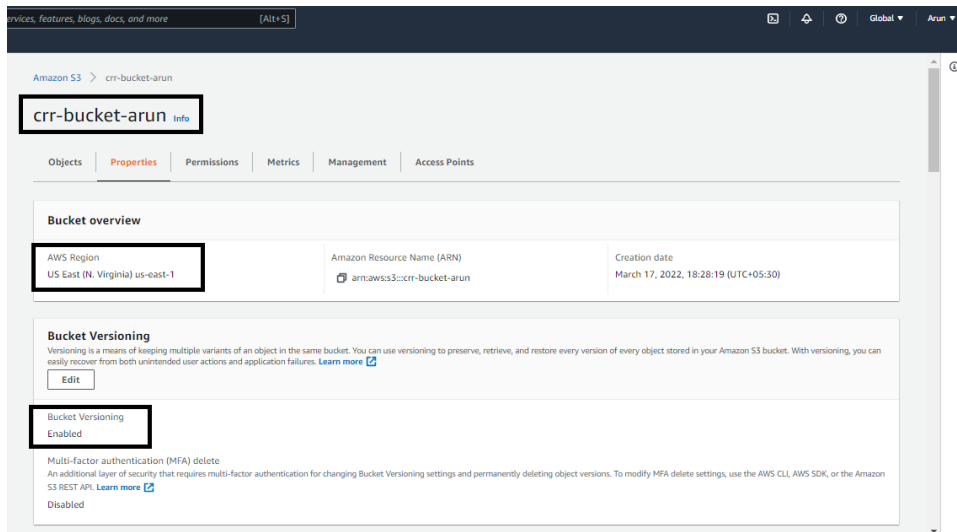


S3-Cross-Account-Replication

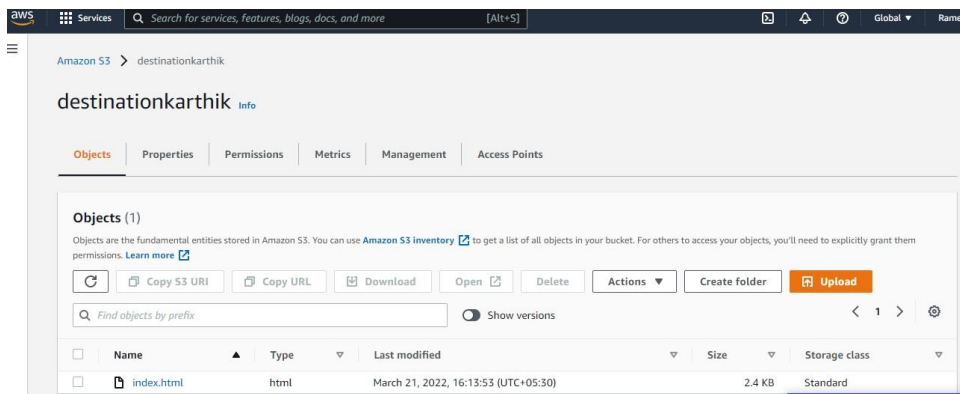
Steps to be followed

1. Create two buckets in two different Accounts.
2. Enable Versioning of both the buckets.
3. Goto source bucket create replication rule provided that, destination bucket details, Account ID of destination account
4. Goto destination Policy upload bucket policy.
5. Upload the object to source bucket, it will replicate in destination bucket in other of other account

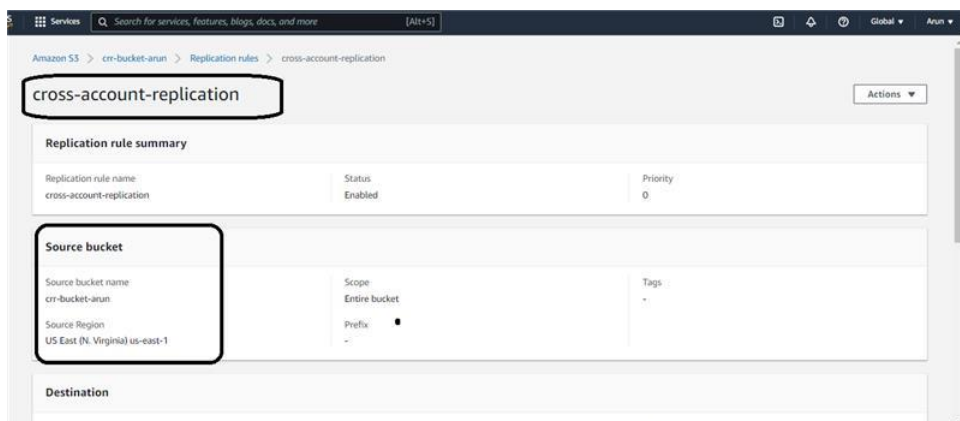
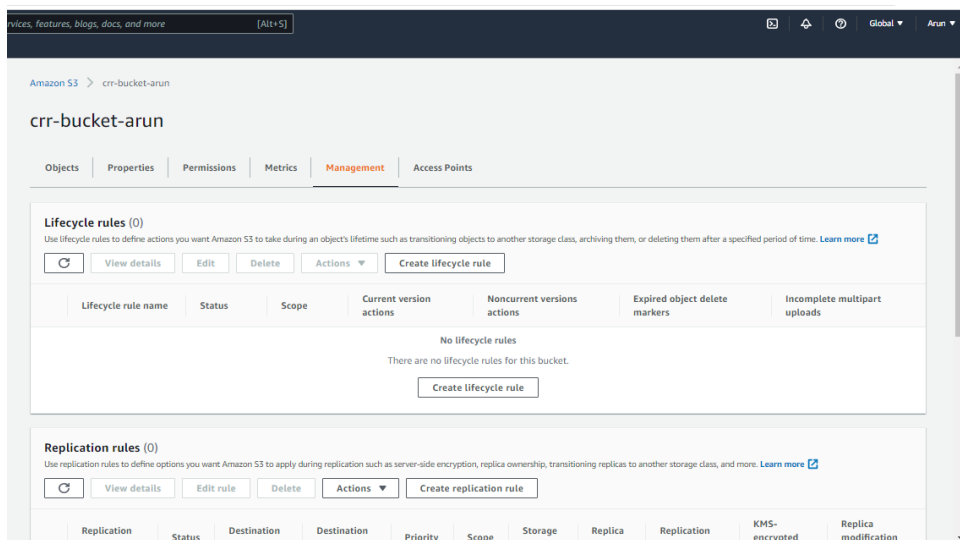
Step 1: Create Source bucket, Enable Versioning



Step 2: Create Destination bucket, Enable versioning



Step 3: Goto Properties tab in source bucket, enter create replication rule.
Enter Replication Name, in the rule scope select apply to all objects



Step 4: Select Destination bucket of other account, Account ID, In the IAM Role >> select new Role

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Apply to all objects in this 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

Account ID
349876233111

Bucket name
Choose the bucket that will receive replicated objects.
destinationkarthik

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

☐ Change object ownership to destination bucket owner
Objects in the source bucket not owned by the source bucket owner will be replaced with access policy that grants full permission to the destination bucket owner

IAM role

☒ Choose from existing IAM roles
☐ Enter IAM role ARN

IAM role
Create new role

View

Step 5: Leave remaining options as default. Click Save

encrypted using AWS KMS across AWS Regions.

Destination storage class

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

☐ Change the storage class for the replicated objects

Additional replication options

☐ Replication Time Control (RTC)
Replication Time Control replicates 99.99% of new objects within 15 minutes and provides replication metrics and notifications. Additional fees will apply. [Learn more](#)

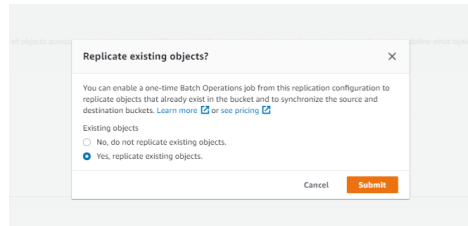
☐ Replication metrics and notifications
Monitor the progress of your replication rule through Cloudwatch Metrics. Cloudwatch metrics fees apply. [Learn more](#) or see [Amazon Cloudwatch pricing](#)

☐ Delete marker replication
Delete markers created by S3 delete operations will be replicated. Delete markers created by lifecycle rules are not replicated. [Learn more](#)

☐ Replica modification sync
Replicate metadata changes made to replicas in this bucket to the destination bucket. [Learn more](#)

Cancel **Save**

Step 6: Select Replicate existing objects, YES, click Submit.

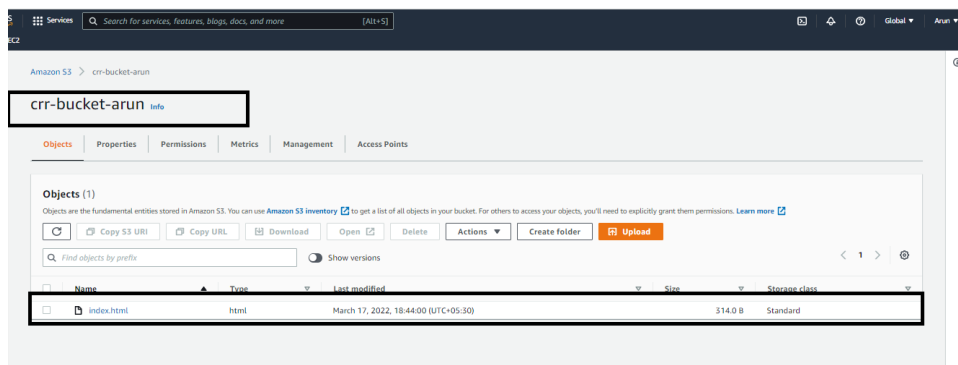


Step 7: Goto Bucket Policy in the destination bucket of the other account.

Upload the following Json policy, which contains source bucket IAM role id and destination bucket details.

```
{
  "Version": "2012-10-17",
  "Id": "",
  "Statement": [
    {
      "Sid": "Set permissions for objects",
      "Effect": "Allow",
      "Principal": {
        "AWS": "arn:aws:iam::986041421187:role/service-role/s3crr_role_for_crr-bucket-arun_2"
      },
      "Action": [
        "s3:ReplicateObject",
        "s3:ReplicateDelete"
      ],
      "Resource": "arn:aws:s3:::destinationkarthik/*"
    },
    {
      "Sid": "Set permissions on bucket",
      "Effect": "Allow",
      "Principal": {
        "AWS": "arn:aws:iam::986041421187:role/service-role/s3crr_role_for_crr-bucket-arun_2"
      },
      "Action": [
        "s3:List*",
        "s3:GetBucketVersioning",
        "s3:PutBucketVersioning"
      ],
      "Resource": "arn:aws:s3:::destinationkarthik"
    }
  ]
}
```

Step 8 : Upload one document in source Bucket.



Step 9: Now check the document is replicated in destination bucket in the other Account.

