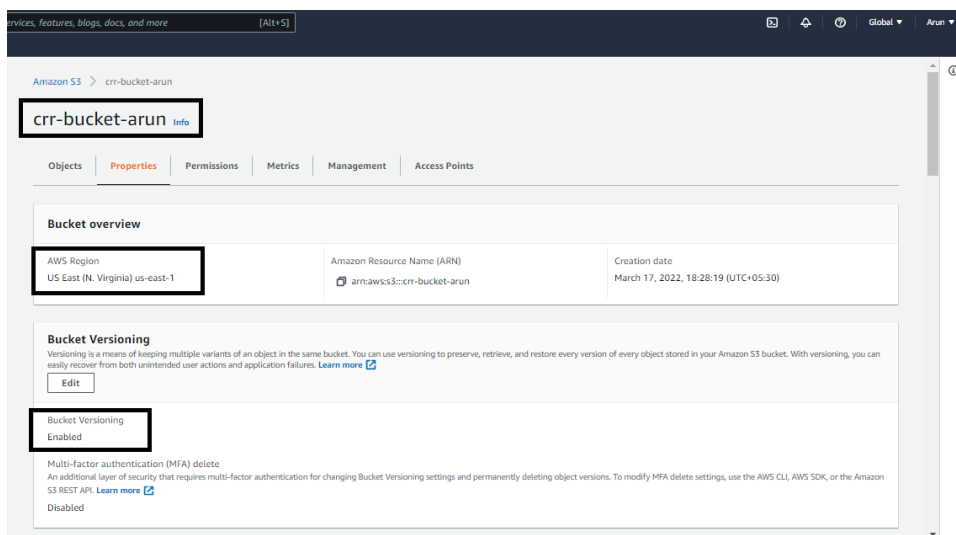


## S3-Cross region-Replication

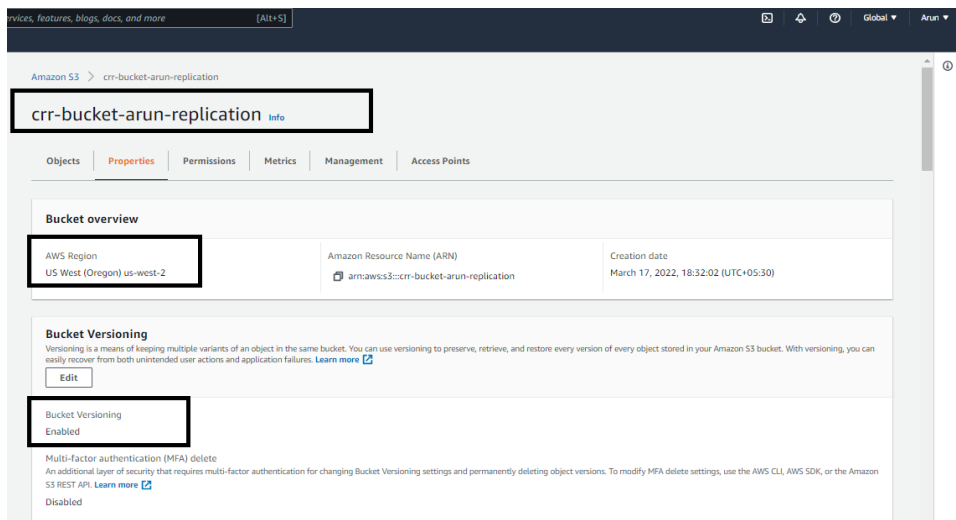
### Steps to be followed

1. Create two buckets in different regions.
2. Enable Versioning of both the buckets.
3. Goto source bucket create replication rule
4. Upload the object to source bucket, it will replicate in destination bucket in other region.

### 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

Amazon S3 > crr-bucket-arun

crr-bucket-arun

Objects | Properties | Permissions | Metrics | **Management** | Access Points

**Lifecycle rules (0)**  
Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. [Learn more](#)

[View details](#) [Edit](#) [Delete](#) [Actions](#) [Create lifecycle rule](#)

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions actions	Expired object delete markers	Incomplete multipart uploads
No lifecycle rules There are no lifecycle rules for this bucket.						

[Create lifecycle rule](#)

**Replication rules (0)**  
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](#)

[View details](#) [Edit rule](#) [Delete](#) [Actions](#) [Create replication rule](#)

Replication rule name	Status	Destination bucket	Destination Region	Priority	Scope	Storage class	Replica ownership	Replication status	KMS-encrypted	Replica modification
-----------------------	--------	--------------------	--------------------	----------	-------	---------------	-------------------	--------------------	---------------	----------------------

**Replication rule configuration**

Replication rule name  
cross-region-replication  
Up to 255 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.  
0

**Source bucket**

Source bucket name  
crr-bucket-arun

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

Choose a rule scope  
☐ Limit the scope of this rule using one or more filters  
☒ Apply to all objects in the bucket

Step 4 :Select Destination bucket in the account, In the IAM Role >> select new Role

☐ 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.  
crr-bucket-arun-replication [Browse S3](#)

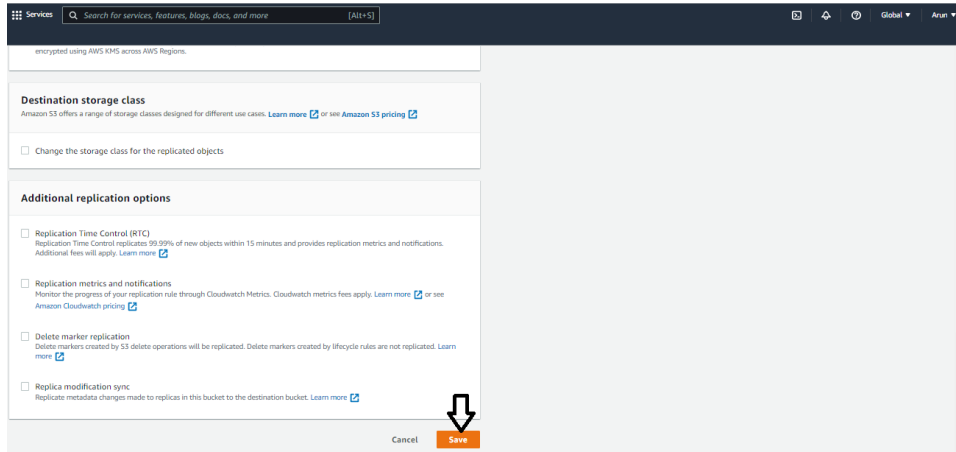
Destination Region  
US West (Oregon) us-west-2

**IAM role**

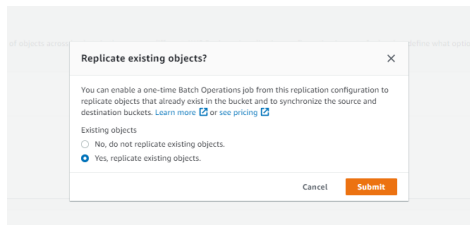
☒ Choose from existing IAM roles  
☐ Enter IAM role ARN

IAM role  
Create new role [View](#)

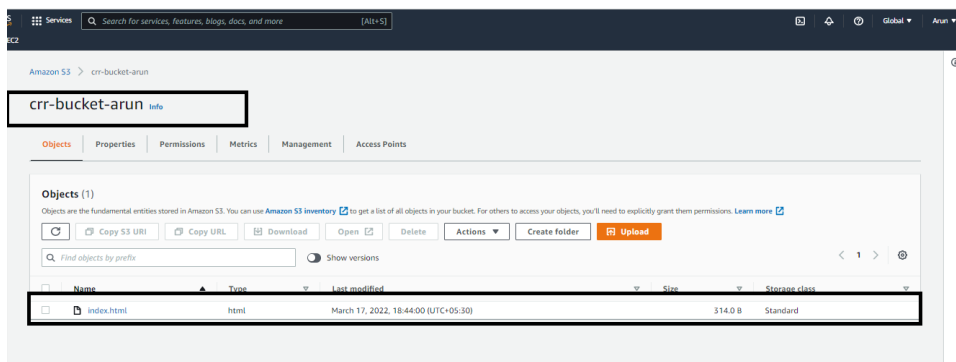
Step 5 : Leave remaining options as default. Click Save



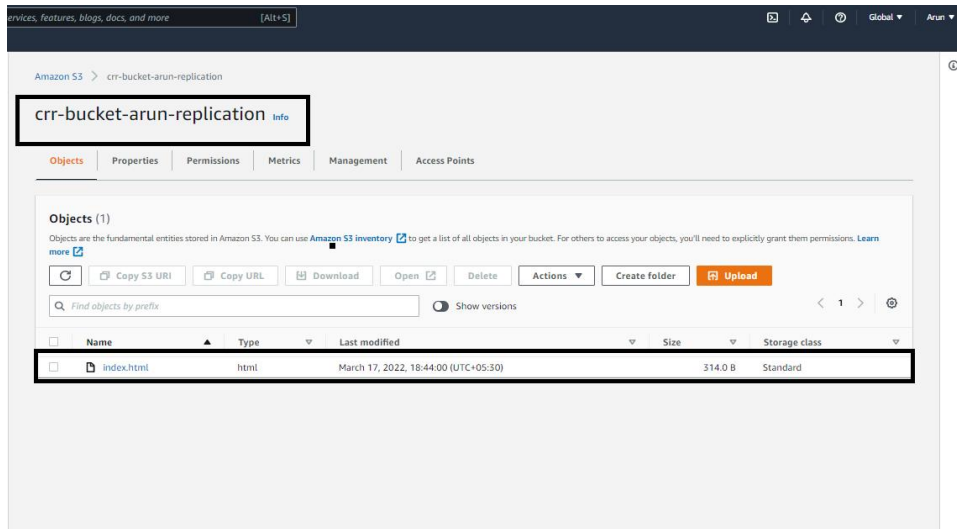
Step 6 : Select Replicate existing objects, YES, click Submit.



Step 7 : Upload one document in source Bucket.



Step 8 : Now check the document is replicated in destination bucket.



## S3-Cross Account-Replication

Steps to be followed

Create two buckets in different accounts

Enable Versioning of both the buckets.

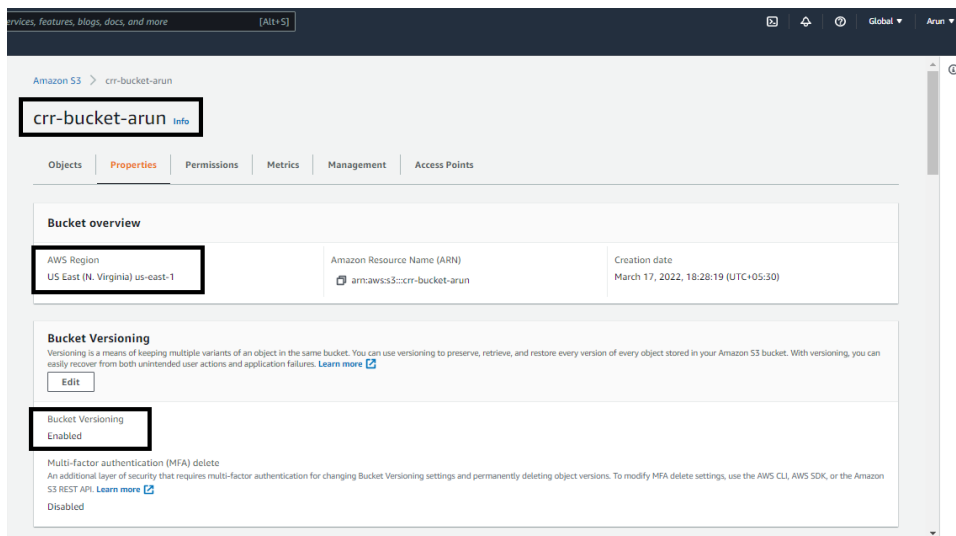
Goto source bucket create replication rule

Upload the object to source bucket, it will replicate in destination bucket in other region.

**Source Account ID : 986041421187**

**Destination Account ID : 275573327568**

Step 1 : Create Source bucket, Enable Versioning



Step 2 : Create Destination bucket in another account, Enable versioning

Amazon S3 > Create bucket

## Create bucket [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

### General configuration

Bucket name

Bucket name must be unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

AWS Region

Copy settings from existing bucket - *optional*  
Only the bucket settings in the following configuration are copied.

[Choose bucket](#)

Step 3 : Goto Properties tab in source bucket, Enter create replication rule.

Enter Replication Name, in the rule scope select apply to all objects

Services, features, blogs, docs, and more [Alt+S]

Amazon S3 > crr-bucket-arun

## crr-bucket-arun

Objects | Properties | Permissions | Metrics | **Management** | Access Points

### Lifecycle rules (0)

Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. [Learn more](#)

[View details](#) [Edit](#) [Delete](#) [Actions](#) [Create lifecycle rule](#)

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions actions	Expired object delete markers	Incomplete multipart uploads
No lifecycle rules						
There are no lifecycle rules for this bucket.						
<a href="#">Create lifecycle rule</a>						

### Replication rules (0)

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](#)

[View details](#) [Edit rule](#) [Delete](#) [Actions](#) [Create replication rule](#)

Replication rule name	Status	Destination bucket	Destination prefix	Priority	Scope	Storage class	Replica storage class	Replication status	KMS-encrypted	Replica modification
-----------------------	--------	--------------------	--------------------	----------	-------	---------------	-----------------------	--------------------	---------------	----------------------

### Replication rule configuration

Replication rule name

Status

Choose whether the rule will be enabled or disabled when created.

☒ Enabled

☐ Disabled

Priority

This 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.

0

### Source bucket

Source bucket name

Source Region

Choose a rule scope

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

☒ Apply to all objects in the bucket

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

Services Search for services, features, blogs, docs, and more [Alt+S]

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

Account ID

275573327568

Bucket name

Choose the bucket that will receive replicated objects.

cross-region-replication-bucket-17-05-2022

Destination Region

US West (Oregon) us-west-2

☐ 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

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.

of objects across

Replicate existing objects?

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](#)

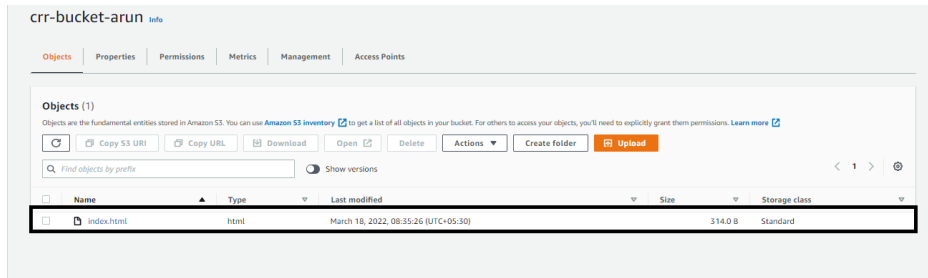
Existing objects

☐ No, do not replicate existing objects.

☒ Yes, replicate existing objects.

Cancel Submit

Step 7 : Upload one document in source Bucket.



Step 8 : Now check the document is replicated in destination bucket.

