# Amazon Web Services

Replication

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Replication

- Amazon Simple Storage Service (S3) Replication is an elastic, fully managed, low cost feature that replicates objects between buckets. With Amazon S3 Replication, we can configure Amazon S3 to automatically replicate S3 objects across different AWS Regions by using Amazon S3 Cross-Region Replication (CRR) or between buckets in the same AWS Region by using Amazon S3 Same-Region Replication (SRR).

Source Bucket   **Destination Bucket**
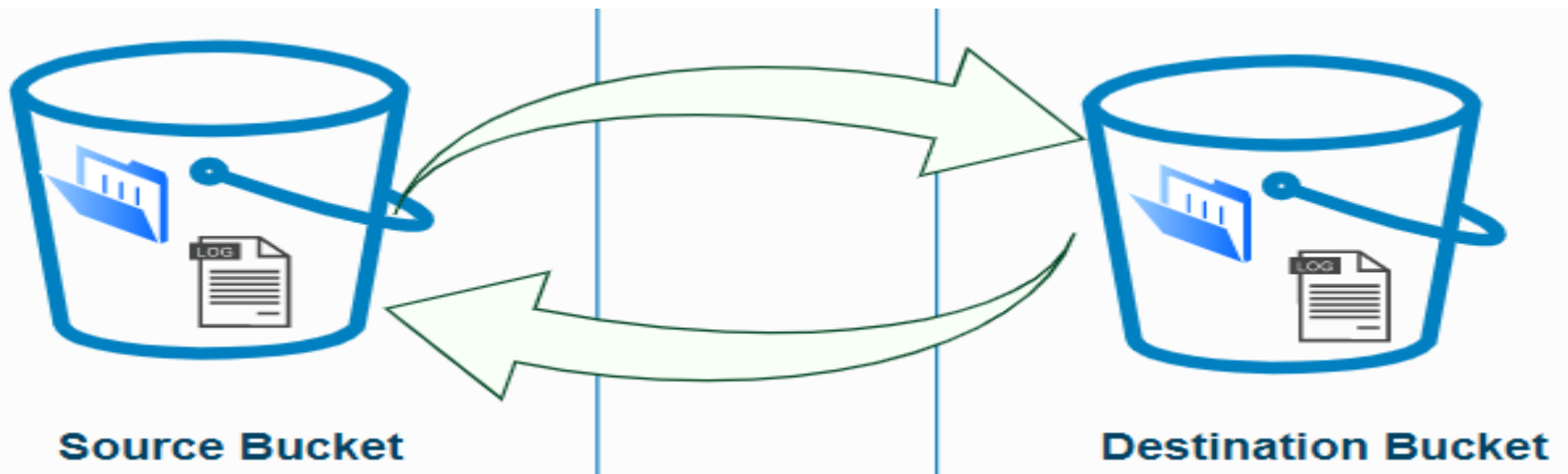
Replication – Same Region

- Same-Region Replication (SRR) is used to copy objects across Amazon S3 buckets in the same AWS Region.

- Create two bucket in the same region

- Select ACLs Enabled

- Give Public Access

- Enable Versioning

- Go to Properties of the Bucket

- Click on Edit for Bucket Versioning

- Select Enable & Click on Save changes

Replication – Same Region

- Enable replication

- Click on first bucket

- Go to Management tab

- Go to replication rule

- Click on create replication rule

- Enter the name of the rule

- Select Status as Enabled

Replication – Same Region

- Select this rule applies to all objects in the bucket in Source bucket

- Select the Destination bucket

- Select create new role

- Click on Save

- Select No, do not replicate existing objects

- Click on submit

- Upload the objects in the first bucket

- Give the permission to public

- Check the Second bucket

Replication – Cross Region

- S3 Cross-Region Replication (CRR) is used to copy objects across Amazon S3 buckets different AWS Regions.

- Create first bucket in Mumbai region

- Unblock all public access

- Enable Bucket versioning

- Create the second bucket with another region

- Unblock all public access

- Enable Bucket versioning

Replication – Cross Region

- Upload one object in Mumbai region bucket

- Give public access

- Enable the replication in the Mumbai region bucket

- Go to the management tab.

- Go to replication rule

- Click on create replication rule

- Enter the name of the rule

Replication – Cross Region

- Select this rule applies to all objects in the bucket in Source bucket

- Select the Destination bucket

- Select create new role

- Click on Save

- Select No, do not replicate existing objects

- Click on submit

- Upload the objects in the first bucket

- Give the permission to public

- Check the Second bucket

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