

# AWS Cloud Practical

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## 1. S3 Replication

- Create one bucket as a replica of the main bucket in the same region.
- Enable Versioning on BOTH buckets

The screenshot shows the AWS S3 console under the 'General purpose buckets' tab. There are two buckets listed:

Name	AWS Region	Creation date
<a href="#">master-bucket-0</a>	Europe (Stockholm) eu-north-1	January 8, 2026, 17:38:02 (UTC+05:30)
<a href="#">master-bucket-replica</a>	Europe (Stockholm) eu-north-1	January 8, 2026, 17:38:36 (UTC+05:30)

- Create replication rule in main bucket

The screenshot shows the 'Create replication rule' configuration page. The replication rule is named 'replication-rule-1'. It is set to be enabled and has a priority of 0. The rule configuration table is empty.

Condition	Destination bucket	Role ARN

- Choose replica bucket in the destination and save.

**Source bucket**

**Source bucket name**  
master-bucket-0

**Source Region**  
Europe (Stockholm) eu-north-1

Choose a rule scope  
 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](#) or see [Amazon S3 pricing](#)

Choose a bucket in this account  
 Specify a bucket in another account

**Bucket name**  
Choose the bucket that will receive replicated objects.  
 [Browse S3](#)

- And when we upload new files in the main bucket, they will be automatically replicated to the replica bucket by default.

≡ [Amazon S3](#) > [Buckets](#) > master-bucket-0 i | e | g

## master-bucket-0 [Info](#)

[Objects](#) [Metadata](#) [Properties](#) [Permissions](#) [Metrics](#) [Management](#) [Access Points](#)

**Objects (3)**

[Create folder](#) [Upload](#)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">1.jpg</a>	jpg	January 8, 2026, 17:39:57 (UTC+05:30)	225.6 KB	Standard
<input type="checkbox"/>	<a href="#">2.jpg</a>	jpg	January 8, 2026, 17:39:56 (UTC+05:30)	201.1 KB	Standard
<input type="checkbox"/>	<a href="#">3.jpg</a>	jpg	January 8, 2026, 17:39:55 (UTC+05:30)	259.2 KB	Standard

## master-bucket-replica Info

Objects    Metadata    Properties    Permissions    Metrics    Management    Access Points

### Objects (3)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory ↗](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more ↗](#)

Find objects by prefix

Show versions

< 1 >

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">1.jpg</a>	jpg	January 8, 2026, 17:58:20 (UTC+05:30)	225.6 KB	Standard
<input type="checkbox"/>	<a href="#">2.jpg</a>	jpg	January 8, 2026, 17:58:19 (UTC+05:30)	201.1 KB	Standard
<input type="checkbox"/>	<a href="#">3.jpg</a>	jpg	January 8, 2026, 17:58:18 (UTC+05:30)	259.2 KB	Standard

- S3 Replication was configured by enabling versioning on both source and destination buckets. A replication rule was created to replicate all objects automatically. New objects uploaded to the source bucket were successfully replicated to the destination bucket, improving availability and disaster recovery.