

# AWS Cloud Practical

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
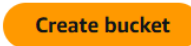
## 1. S3 Replication

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

Amazon S3 > Buckets

General purpose buckets All AWS Regions Directory buckets

### General purpose buckets (2) Info

  Copy ARN  Empty  Delete  Create bucket

Buckets are containers for data stored in S3.

Find buckets by name

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

Amazon S3 > Buckets > master-bucket-0 > Replication rules > Create replication rule

## Create replication rule Info

### Replication rule configuration

**Replication rule name**

replication-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.

0

- 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.

master-bucket-replica

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

[Info](#) [Help](#) [Feedback](#)

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

[Objects](#)

[Metadata](#)

[Properties](#)

[Permissions](#)

[Metrics](#)

[Management](#)

[Access Points](#)

### Objects (3)

[Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#)

[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](#)

☐ Show versions

< 1 > [Settings](#)

<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

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### Objects (3)



Copy S3 URI

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Download

Open ↗

Delete

Actions ▼

Create folder

Upload

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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.