Set up replication rule between AWS S3 buckets

# Introduction

This lab will guide you through the steps to set up a replication rule between two Amazon S3 buckets. By the end of this lab, you will have a source bucket and a target bucket configured for data replication.

# Let’s get started

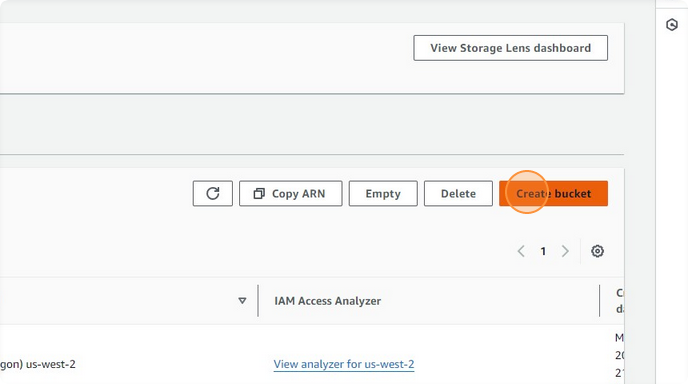
### Step 1: Log in to AWS Console

1. Open your web browser and navigate to the <https://us-west-2.console.aws.amazon.com/s3/buckets?region=us-west-2&bucketType=general&region=us-west-2>

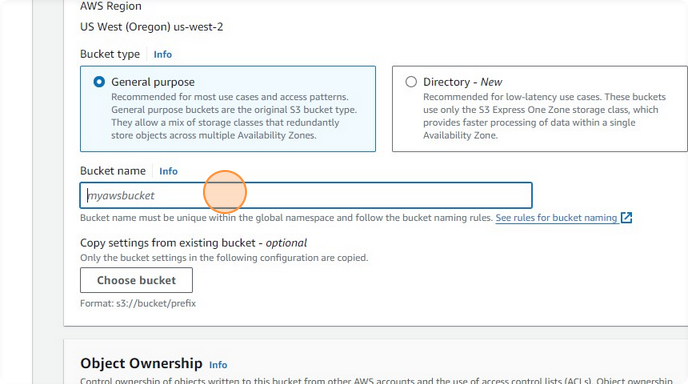
2. Log in with your AWS account credentials.

### Step 2: Create Source and Target Buckets

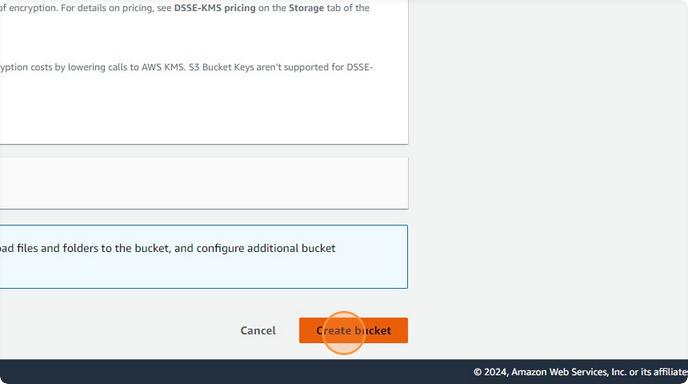
1. In the S3 console, click \*\*Create bucket\*\*.



2. In the \*\*Bucket name\*\* field, type `targetbucket`.



3. Click \*\*Create bucket\*\* to create the target bucket.



4. Repeat steps 1-3 to create the source bucket:

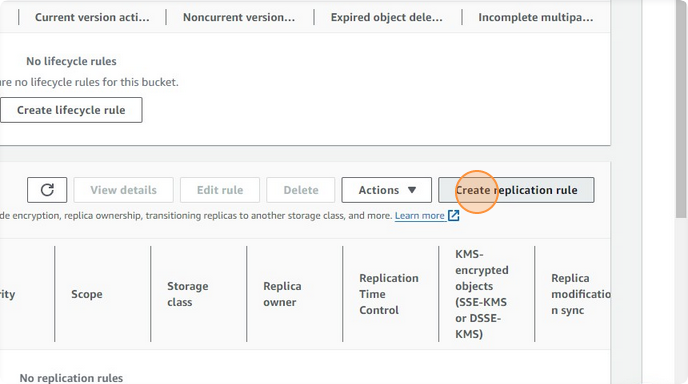
- \*\*Bucket name\*\*: `repprocess`

### Step 3: Enable Versioning on Source and Target Buckets

1. Navigate to the source bucket (`repprocess`).

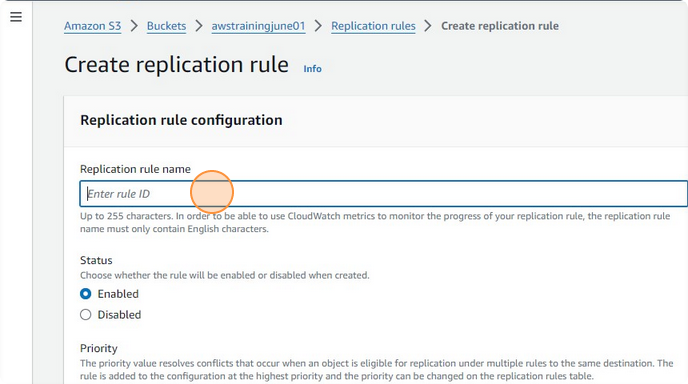
2. Click on the \*\*Management\*\* tab.

3. Click \*\*Create replication rule\*\*.



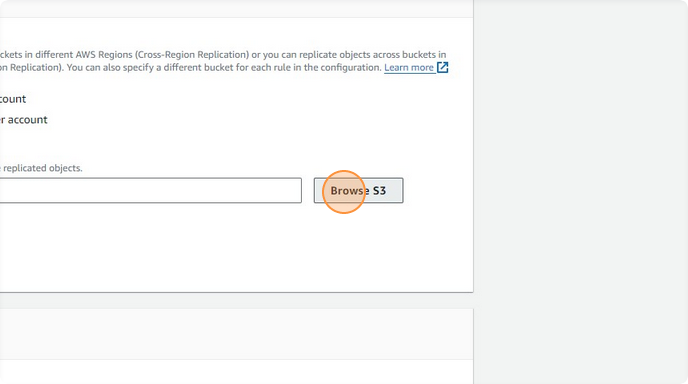
### Step 4: Configure Replication Rule

1. In the \*\*Replication rule name\*\* field, type `bucketreprule`.

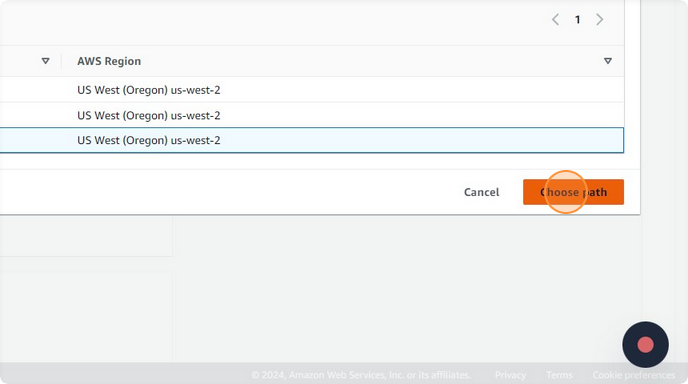


2. Select the option to enable the rule.

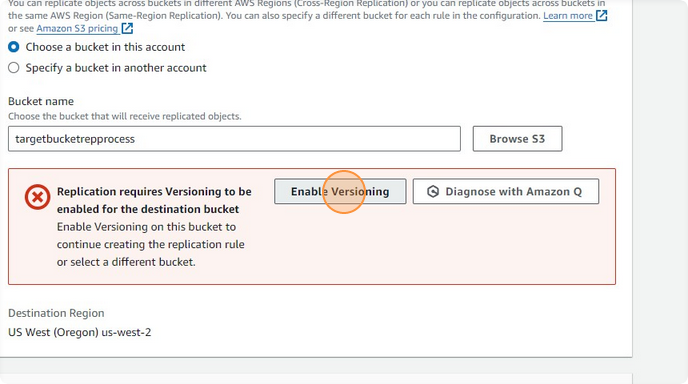
3. Click \*\*Browse S3\*\* to select the target bucket.



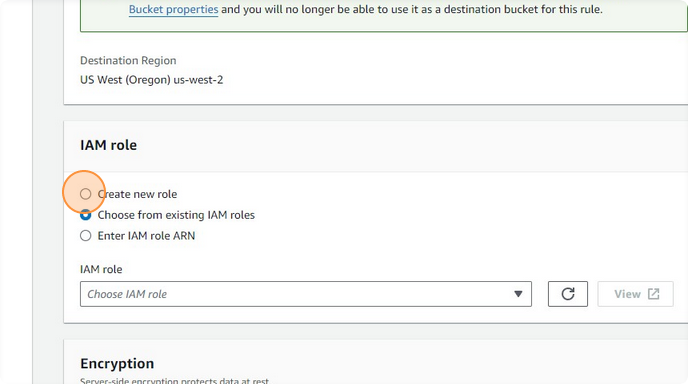
4. Select the \*\*targetbucket\*\* and click \*\*Choose path\*\*.



5. Enable \*\*Versioning\*\* by selecting the appropriate option.

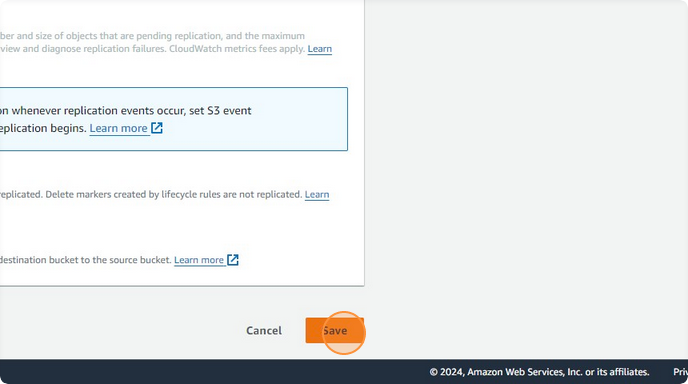


6. Review the \*\*IAM Role\*\* settings, ensuring that the role has the necessary permissions.



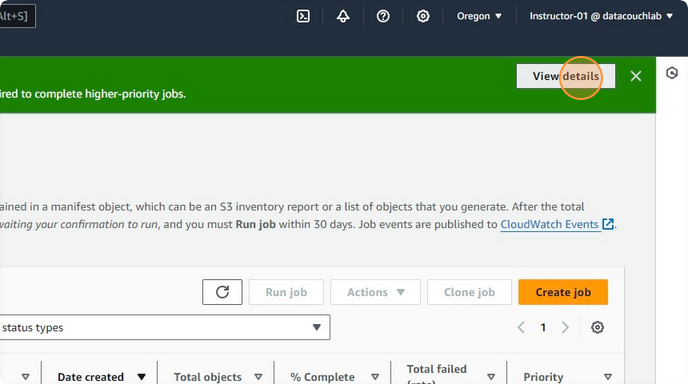
7. Check the required checkboxes to enable replication.

8. Click \*\*Save\*\* to save the replication rule settings.



### Step 5: Verify Replication Rule

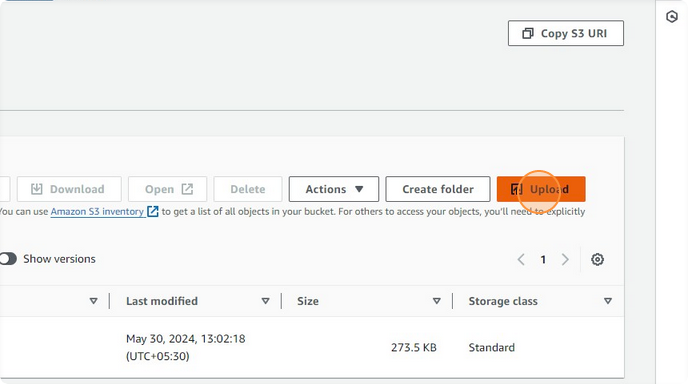
1. After saving the replication rule, click \*\*View details\*\* to review the rule settings and ensure everything is configured correctly.



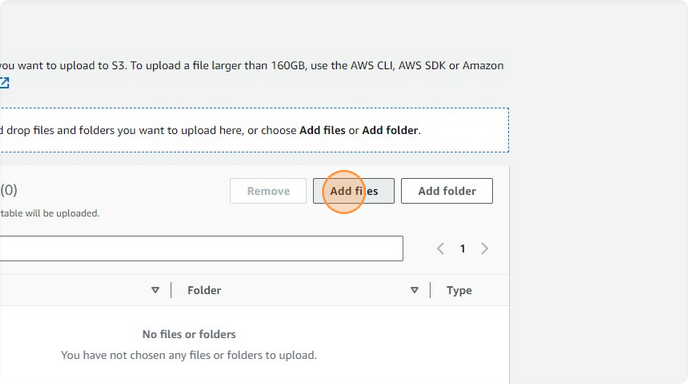
### Step 6: Upload Data to Source Bucket

1. Navigate to the source bucket (`repprocess`).

2. Click \*\*Upload\*\*.



3. Click \*\*Add files\*\* and select the files you want to upload.

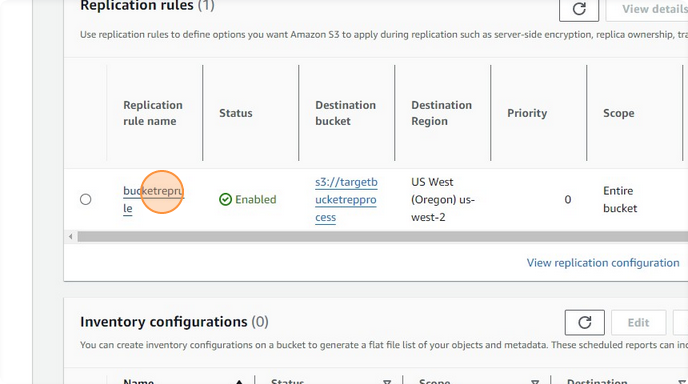


4. Click \*\*Upload\*\* to upload the files to the source bucket.

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### Step 7: Verify Data Replication

1. Navigate to the target bucket (`targetbucket`).



2. Verify that the files uploaded to the source bucket are replicated to the target bucket.

**Voila!!** We have successfully completed this exercise.