

Set up Cross-Region S3 Bucket Replication

You can use this option to restrict access to object replicas. Keep objects stored over multiple AWS Regions – To ensure geographic differences in where your data is kept, you can set multiple destination buckets across different AWS Regions. This feature might help you meet certain compliance requirements.

1. At S3 Buckets you see that I have a bucket created and it is public. The AWS region is US East

| | Name ▲ | AWS Region ▼ | Access |
|-----------------------|--------------------------------------|---------------------------------|---------------------------------------|
| <input type="radio"/> | cjw-bucket-public-12 | US East (N. Virginia) us-east-1 | Objects can be public |

2. Since we are trying to do a cross-region, we would need another bucket on the west coast
3. So I copied and pasted the bucket name, and create bucket > and copied the name in that bucket
 - a. I think just added a -2 at the end so it will look like this. As well as changing the region

Bucket name

Bucket name must be unique and must not c

AWS Region

b.

4. Next, you would want to copy setting from existing bucket. Choose the desired bucket
5. Once you have chosen your bucket we will then keep everything as default and create bucket
6. Next you would go into the east bucket > Management tab > Create Replication Rule
 - a. *TIP: bucket versioning is required for this
7. After inputting a name, we would want to apply the source bucket to all objects in the bucket
8. On the destination section since we are trying to do Cross region. You would select Browse S3 > Select the west-2 bucket > Choose path
 - a. *TIP: This needs bucket versioning as well
9. We need a role next, but we will have AWS create one for us so select “Create new role”
10. This error will then come up

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

11. In a prod environment you would want to replicate existing objects when you first create it, but since we don't have none to barely anything we can select no
12. So now we have to test the cross region
13. We go into the east bucket (The first one) > Upload a file > And choose a file

cjw-bucket-public-12 Info

Objects | Properties | Permissions | Metrics | Manage

Objects (3)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3](#)

Copy S3 URI Copy URL Download

| <input type="checkbox"/> | Name | Type |
|--------------------------|-------------|------|
| <input type="checkbox"/> | 42tNhy.webp | webp |
| <input type="checkbox"/> | aws.jpeg | jpeg |
| <input type="checkbox"/> | aws.jpg | jpg |

14. And as you can see below, the cross replication did work

cjw-bucket-public-12-2

Info

Objects

Properties

Permissions

Metrics

Objects (1)


Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3](#) to store and retrieve any amount of data from any location. [Learn more](#)

Copy S3 URI

Copy URL

Download

Find objects by prefix

| <input type="checkbox"/> | Name | Type |
|--------------------------|---|------|
| <input type="checkbox"/> |  42tNhy.webp | webp |

15. So it is working as expected