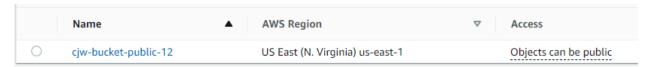
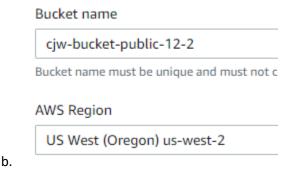
Set up Cross-Region S3 Bucket Replication

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.

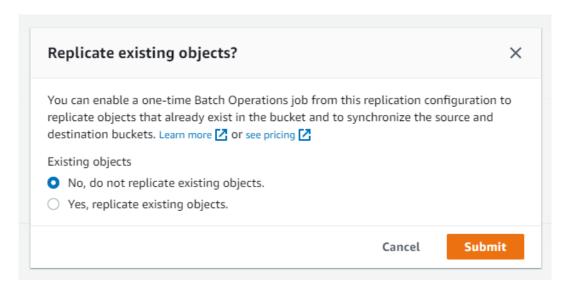
1. At S3 Buckets you see that I have a bucket created and it is public. The AWS region is US East



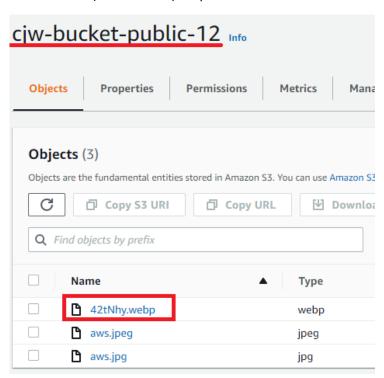
- 2. Since we are trying to do a cross-region, we would need another bucket on the west coast
- 3. So I copied and pasted the bucket name, and create bucket > and copied the name in that bucket
 - a. I think just added a -2 at the end so it will look like this. As well as changing the region



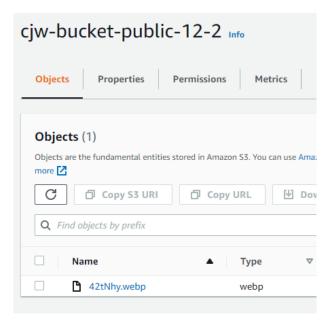
- 4. Next, you would want to copy setting from existing bucket. Choose the desired bucket
- 5. Once you have chosen your bucket we will then keep everything as default and create bucket
- 6. Next you would go into the east bucket > Management tab > Create Replication Rule
 - a. *TIP: bucket versioning 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



- 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



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



15. So it is working as expected