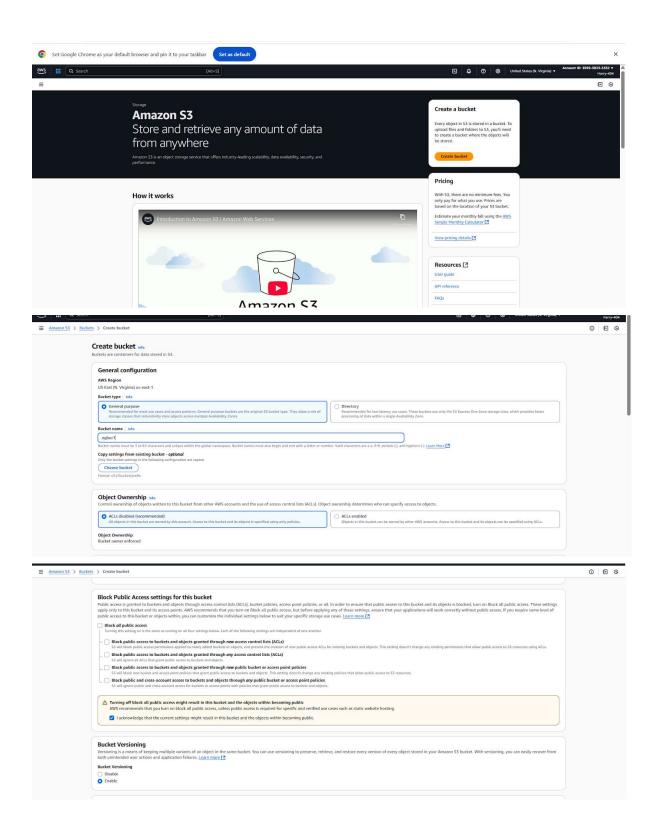
Steps for Amazon S3 Cross-Region Replication (CRR) to Another AWS Account

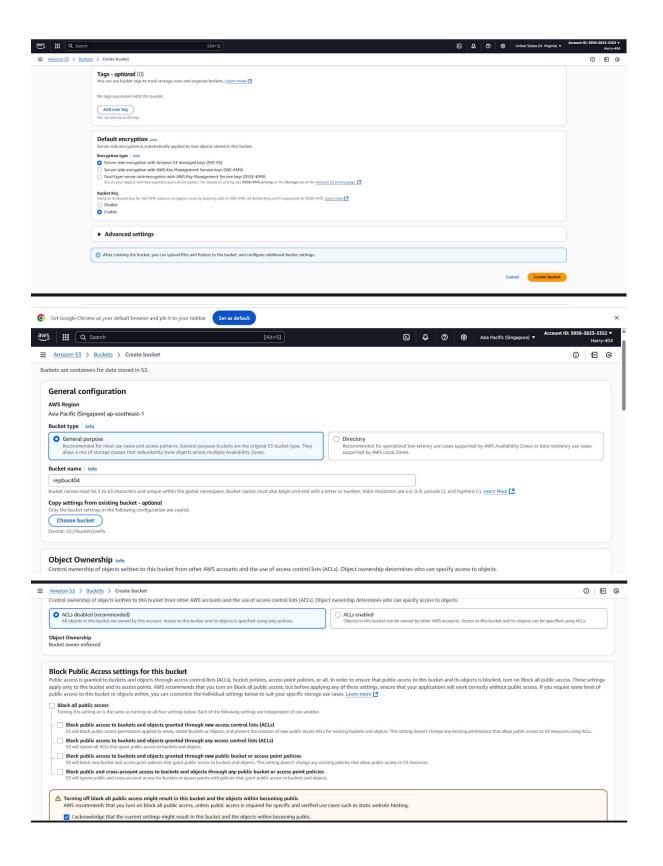
1. Create Source and Destination Buckets

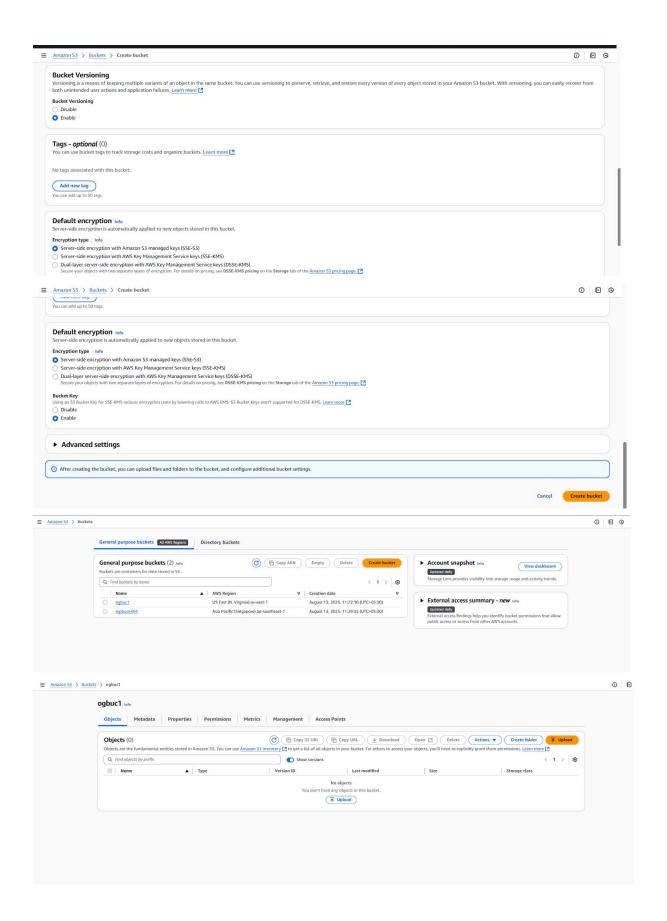
- Source Bucket: Create in your account (e.g., "ogbuc1" in US East, N. Virginia).
- Destination Bucket: Create in the other AWS account (e.g., "repbuc404" in Asia Pacific, Singapore).
- Go to Amazon S3 console → "Create bucket".
 - Source Bucket:
 - Region: US East (N. Virginia)
 - Name: ogbuc1
 - Leave Object Ownership: Bucket owner enforced.
 - Leave Block All Public Access setting ON.
 - Enable Versioning under Bucket Versioning.
 - Leave encryption (SSE-S3) as default.
 - Click Create bucket.
 - Destination Bucket:
 - Log into the other AWS account.
 - Region: Asia Pacific (Singapore)
 - Name: repbuc404
 - Same settings: Owner enforced, block public access, enable versioning, default encryption.
 - Click Create bucket.

2. Enable Versioning

 Enable bucket versioning on both source and destination buckets. Versioning must be enabled for replication to work.

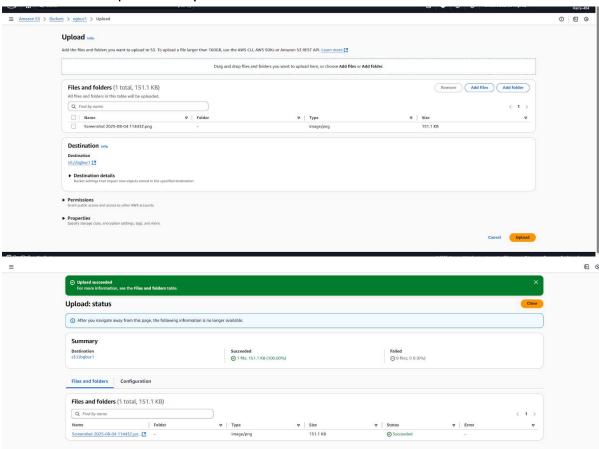


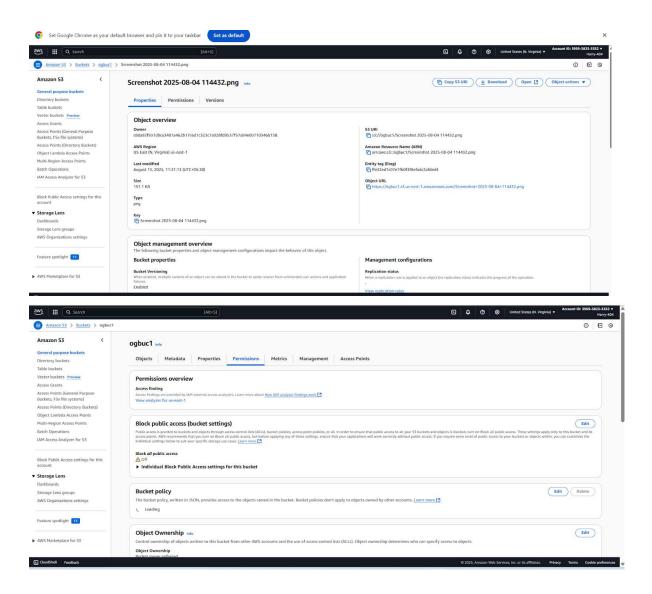




3. Upload an Object to Source Bucket

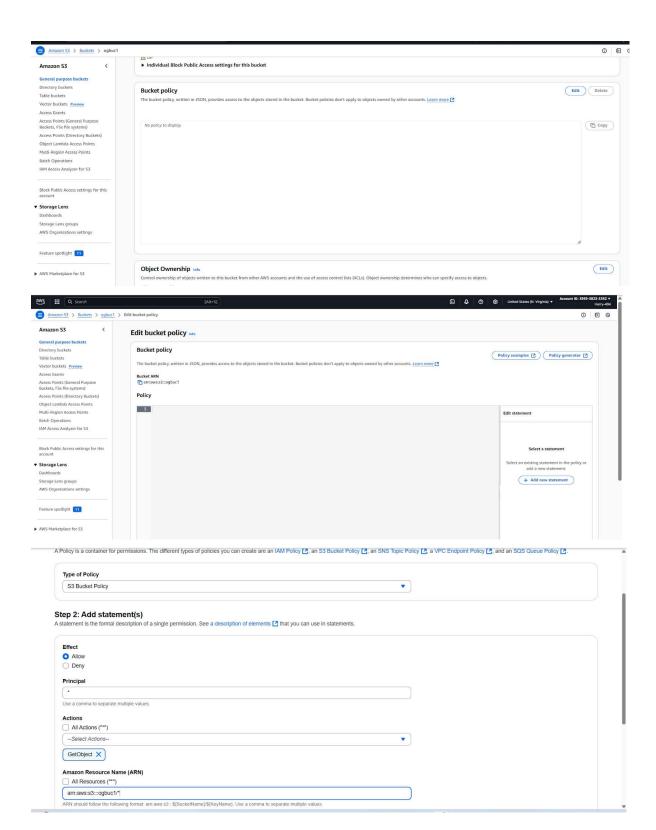
- In S3 console, click ogbuc1 → Upload.
- Add a file (e.g., Screenshot 2025-08-04 114432.png).
- Confirm upload completed.





4. Set Up Permissions for Replication

- IAM Role: Create an IAM role in the source account with permissions to read objects from the source bucket and write objects to the destination bucket.
 - The destination bucket policy in the other account must allow the replication role to write objects (put object) and update object tags.





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Policy JSON Document



Click below to edit. To save the policy, copy the text below to a text editor. Changes made below will **not be reflected in the policy generator tool.**

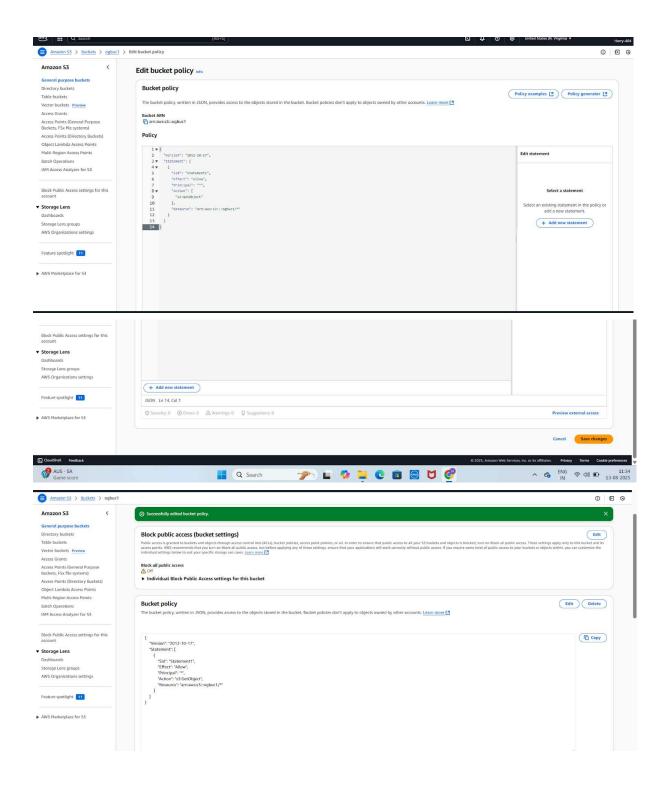
```
"Version": "2012-10-17",
 2
        "Statement": [
 3 *
 4 *
            "Sid": "Statement1",
            "Effect": "Allow",
"Principal": "*",
 6
 8 *
            "Action": [
              "s3:GetObject"
 9
10
            ],
"Resource": "arn:aws:s3:::ogbuc1/*"
11
12
    ]
13
                                                                                                  1:1 JSON
```

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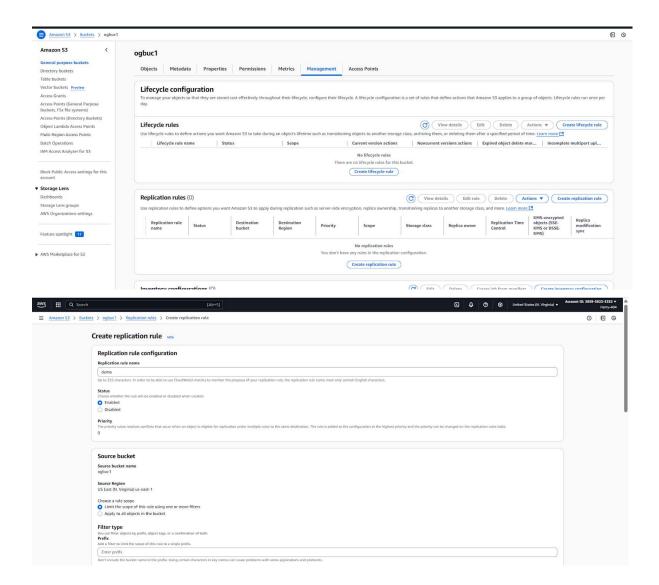
of Amazon Web Services technologies

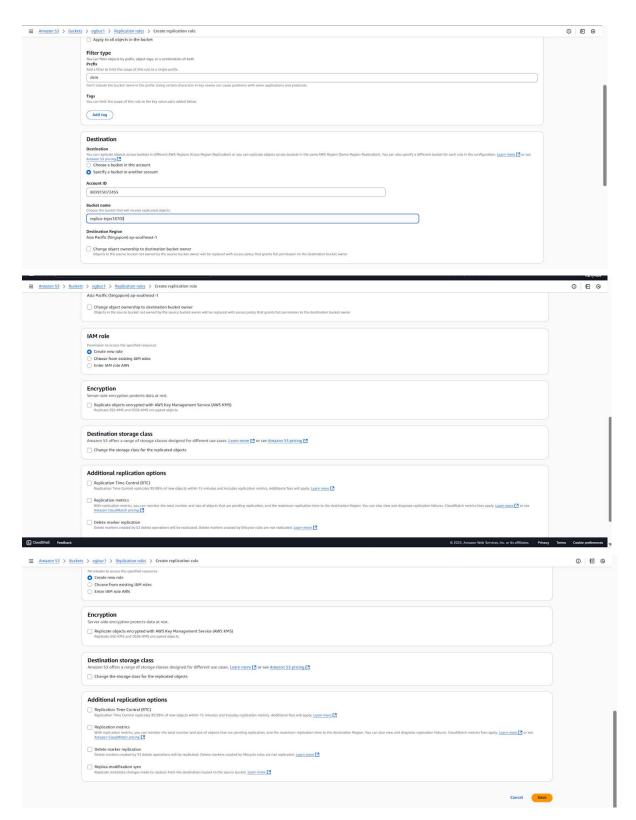


5. Create the Replication Rule in Source Bucket

- 1. Go to S3 \rightarrow Buckets \rightarrow ogbuc1 \rightarrow Management \rightarrow Replication rules \rightarrow Create replication rule.
- 2. Rule name: demo

- 3. Enable rule.
- 4. Scope: "Apply to all objects in the bucket" (or set a prefix if only certain objects).
- 5. Destination bucket:
 - Enter "Account number" → 883915072455 → enter the destination bucket name replica-tejas
- 6. IAM Role: Select s3crr role for ogbuc1.
- 7. Leave Storage class, Replica owner, Encryption as in your PDF (Same as source, Replica ownership same as source, etc.).
- 8. Save.





6. Replicate Existing Objects

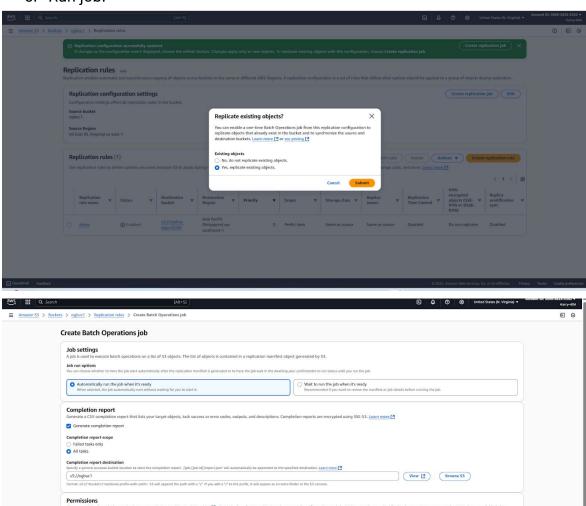
From your PDF: after creating the rule you got the "Create replication job" option.

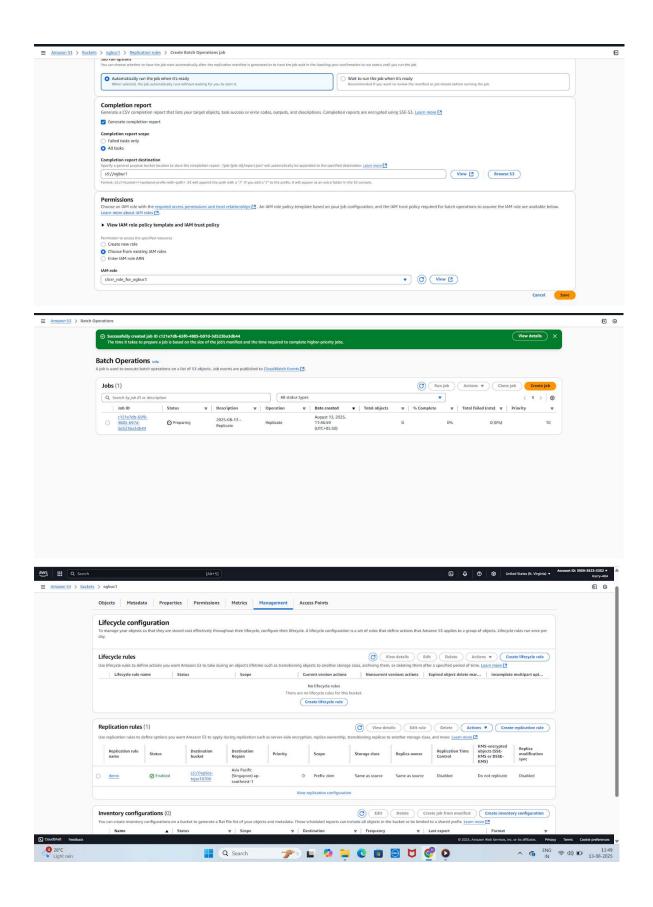
If you want existing files moved (not just new ones):

1. Click Create replication job.

▶ View IAM role policy template and IAM trust policy

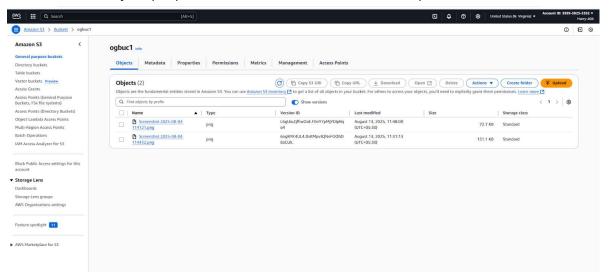
- 2. Use the default "Automatically run the job" or choose "Wait to run the job" for review.
- 3. Report destination: s3://ogbuc1 as in PDF.
- 4. Permissions: Pick the same replication IAM role or a new batch operations role allowing s3:GetObject on source + s3:PutObject on destination.
- 5. Run job.





6. Test & Verify

- Upload a file to ogbuc1.
- Wait a few minutes in replica-tejas it should appear with Replication status: COMPLETED.
- Check Object properties in destination bucket for replication status



In the same way this steps will be followed by other user at there end and send me so the file be synced at repbuc404

Once both replications are active:

- Your uploads to ogbuc1 \rightarrow go to replica-tejas
- Their uploads to original-tejas → come to your repbuc404
 This achieves near-real-time two-way sync (subject to the replication delay) as long as you use separate prefixes to avoid loops.

Quick Reference Table

Step	Source Account Action	Destination Account Action
Create buckets	Create and configure "ogbuc1" (versioning ON)	Create and configure "repbuc404" (versioning ON)
IAM Permissions	Create replication role, assign necessary policies	Set bucket policy to allow role to write
Replication Rule	Set up CRR in S3 console	
Batch Operations	(Optional) Create job for existing objects	
Monitor	Use console for status, reports	