

TASK – 6 Create S3 bucket and apply cross account replication

Step 1 — In Account A (Source): Create Source Bucket

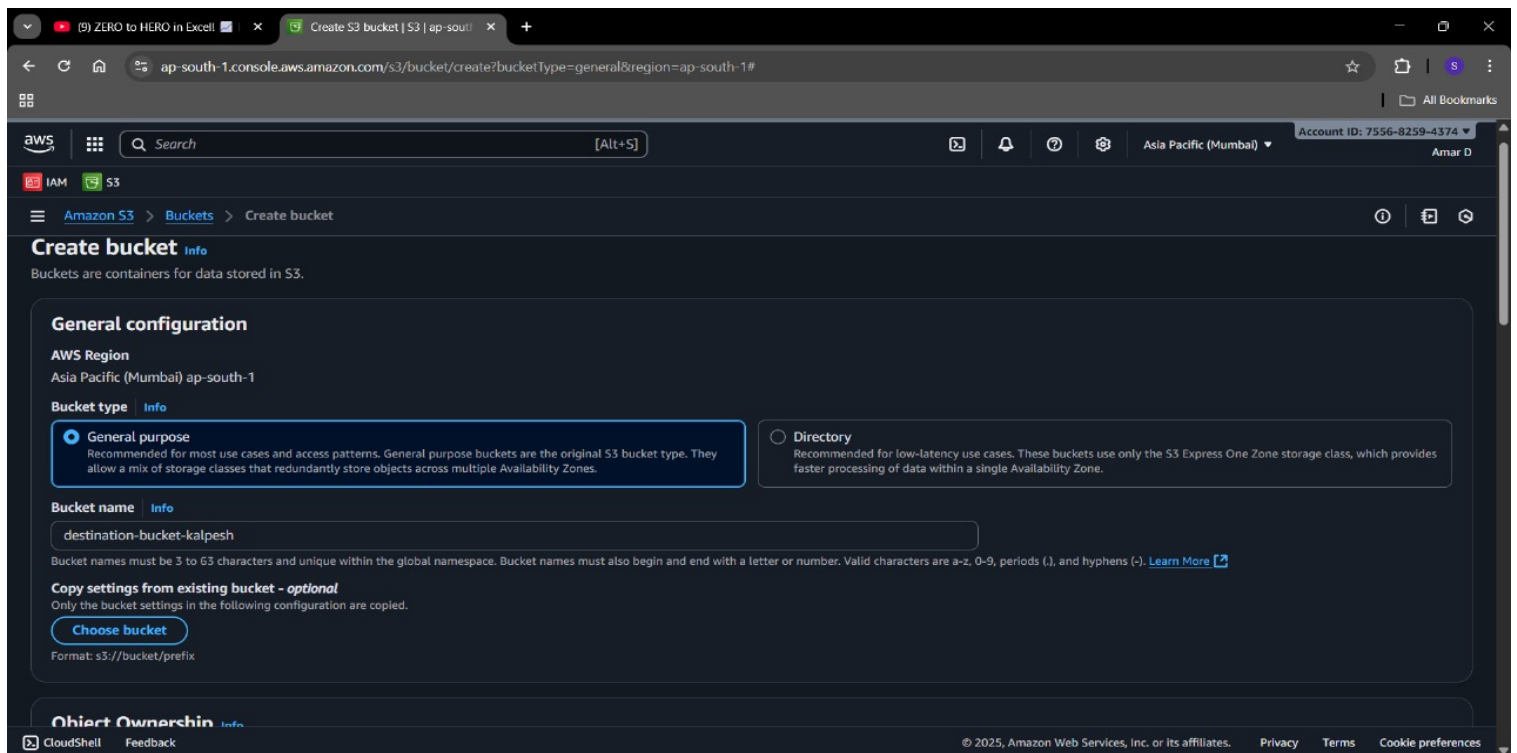
1. Log in to AWS Account A.
2. Go to S3 console.
3. Click Create bucket.
4. Enter a unique bucket name 5. Choose a Region.
6. Scroll down → Enable Versioning. 7. Leave other settings as default. 8. Click Create bucket.

The screenshot shows the AWS S3 'Create bucket' console. The breadcrumb navigation is 'Amazon S3 > Buckets > Create bucket'. The page title is 'Create bucket' with an 'Info' link. Below the title, it says 'Buckets are containers for data stored in S3.' The 'General configuration' section is active. Under 'AWS Region', 'US East (N. Virginia) us-east-1' is selected. Under 'Bucket type', 'General purpose' is selected with a radio button, and 'Directory' is unselected. The 'Bucket name' field contains 'source-bucket-kalpesh'. Below this, there's a note about bucket naming rules and a 'Learn More' link. The 'Copy settings from existing bucket - optional' section has a 'Choose bucket' button. The 'Object Ownership' section has 'ACLs disabled (recommended)' selected with a radio button, and 'ACLs enabled' is unselected. The footer shows 'CloudShell', 'Feedback', and copyright information for Amazon Web Services, Inc.

The screenshot shows the AWS S3 'Create bucket' console, continuing from the previous section. The 'Bucket Versioning' section is active, showing 'Versioning is a means of keeping multiple variants of an object in the same bucket...' and 'Enable' is selected with a radio button. The 'Tags - optional (0)' section shows 'No tags associated with this bucket.' and an 'Add new tag' button. The 'Default encryption' section is active, showing 'Server-side encryption is automatically applied to new objects stored in this bucket.' and 'Server-side encryption with Amazon S3 managed keys (SSE-S3)' is selected with a radio button. The footer shows 'CloudShell', 'Feedback', and copyright information for Amazon Web Services, Inc.

Step 2 — In Account B (Destination): Create Destination Bucket

1. Log in to AWS Account B.
2. Go to S3 console.
3. Click Create bucket.
4. Enter a unique bucket name.
5. Choose a Region.
6. Scroll down → Enable Versioning.
7. Click Create bucket.



ap-south-1.console.aws.amazon.com/s3/bucket/create?bucketType=general®ion=ap-south-1#

Search [Alt+S]

Asia Pacific (Mumbai) Account ID: 7556-8259-4374 Amar D

Amazon S3 > Buckets > Create bucket

Create bucket info

Buckets are containers for data stored in S3.

General configuration

AWS Region
Asia Pacific (Mumbai) ap-south-1

Bucket type info

☒ **General purpose**
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

☐ **Directory**
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name info
destination-bucket-kalpesh

Bucket names must be 3 to 63 characters and unique within the global namespace. Bucket names must also begin and end with a letter or number. Valid characters are a-z, 0-9, periods (.), and hyphens (-). [Learn More](#)

Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.

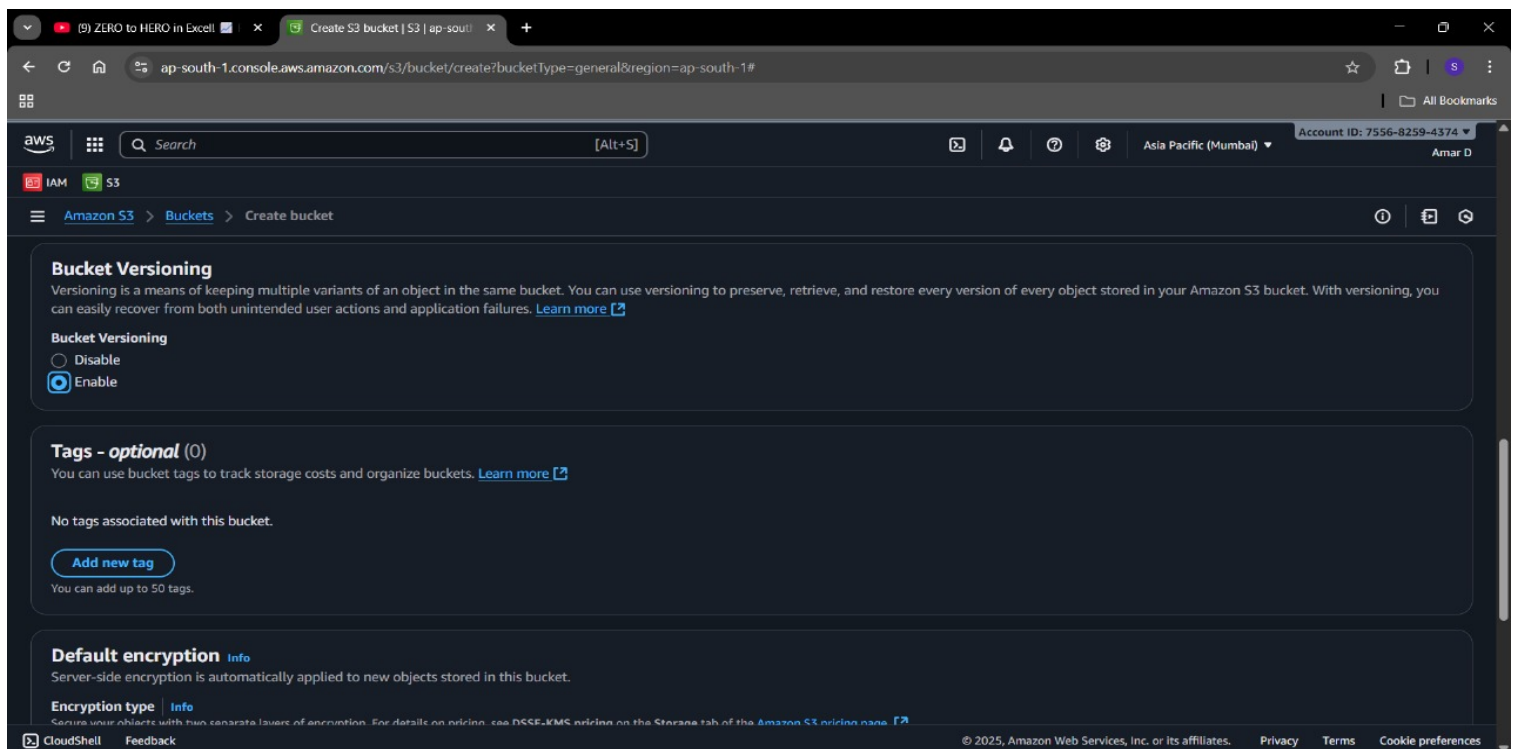
[Choose bucket](#)

Format: s3://bucket/prefix

Object Ownership info

CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences



ap-south-1.console.aws.amazon.com/s3/bucket/create?bucketType=general®ion=ap-south-1#

Search [Alt+S]

Asia Pacific (Mumbai) Account ID: 7556-8259-4374 Amar D

Amazon S3 > Buckets > Create bucket

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Bucket Versioning

☐ Disable

☒ Enable

Tags - optional (0)

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

[Add new tag](#)

You can add up to 50 tags.

Default encryption info

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type info

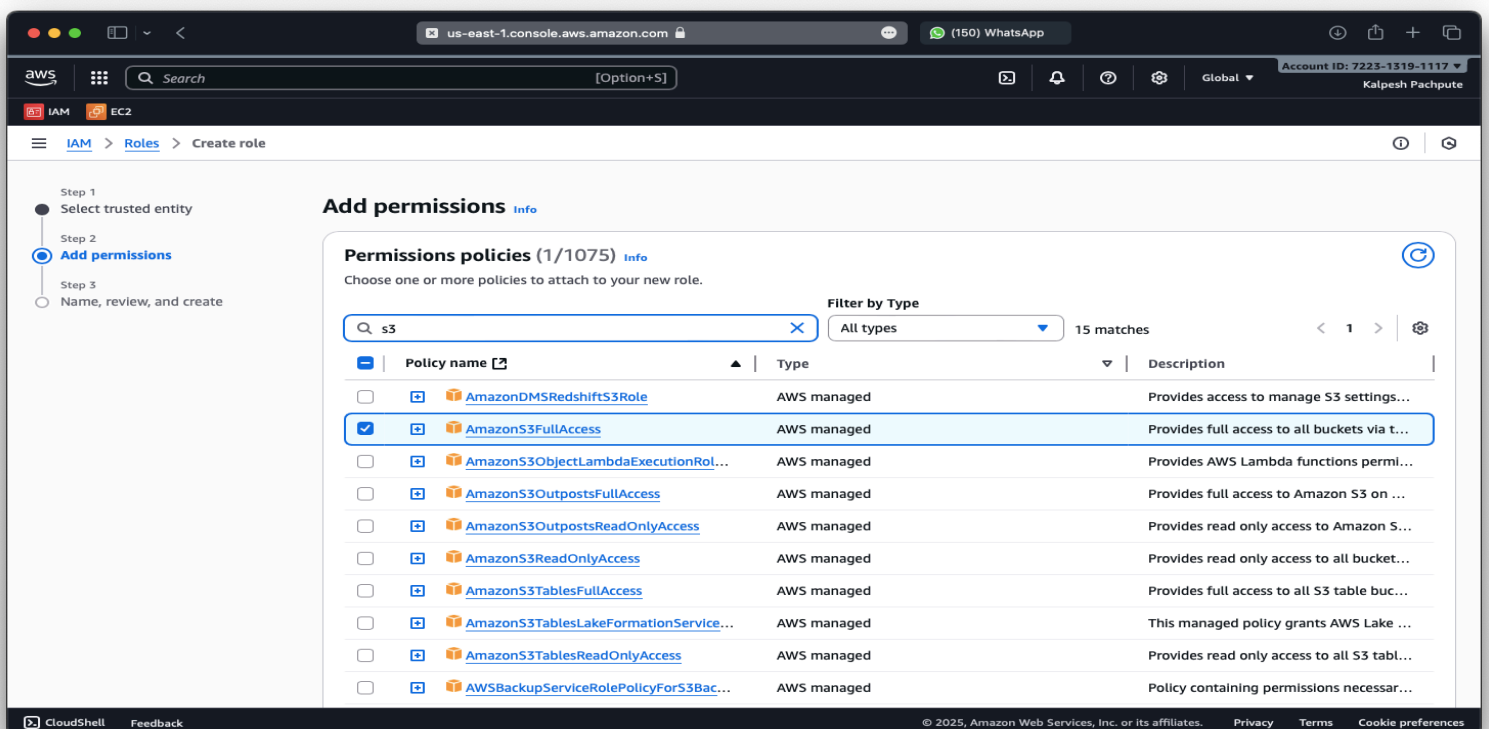
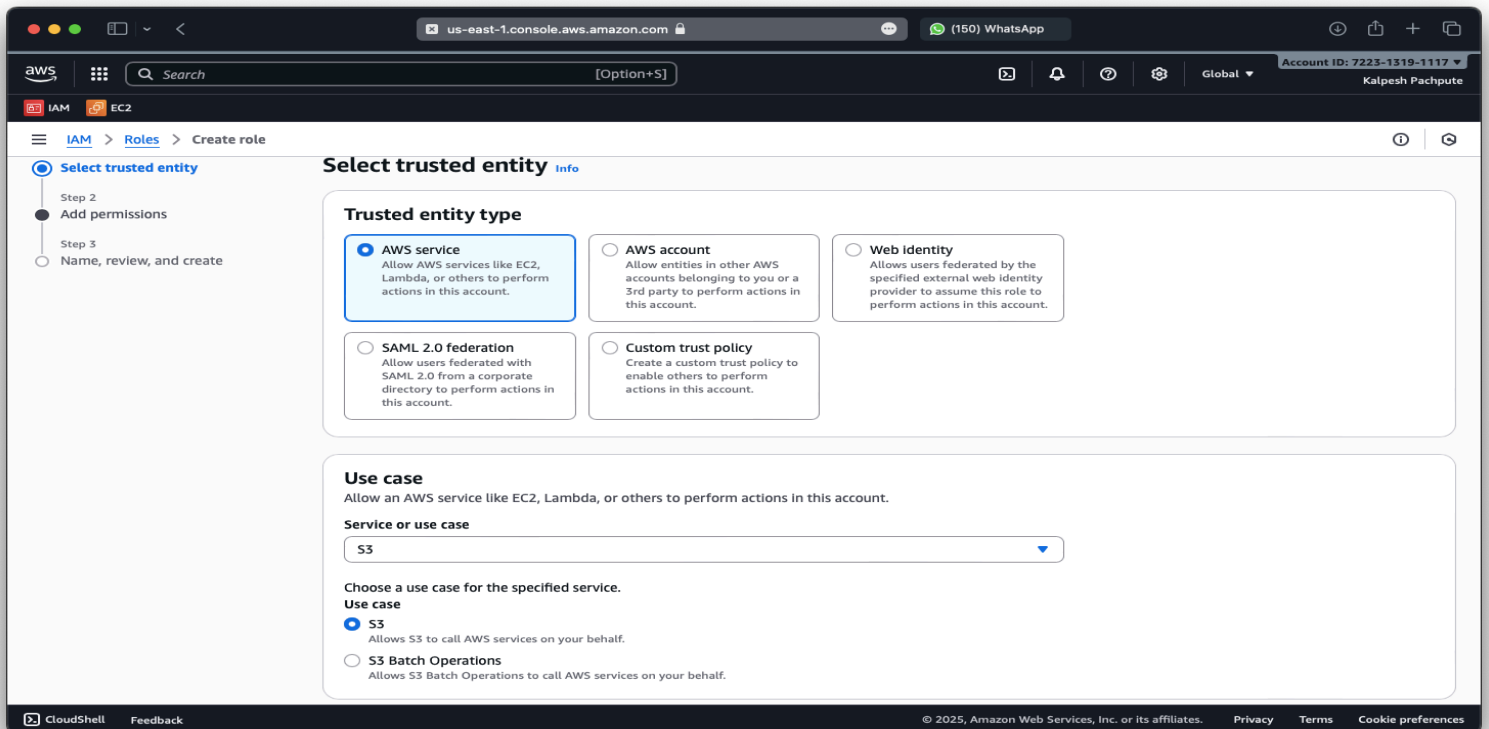
Secure your objects with two separate layers of encryption. For details on pricing, see [DSSE-KMS pricing on the Storage tab of the Amazon S3 pricing page](#).

CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Step 3 — In Account A: Create Replication Role

1. In Account A, go to IAM console.
2. Click Roles → Create role.
3. Select AWS Service → choose S3.
4. Click Next.
5. Attach permissions → choose AmazonS3FullAccess.
6. Click Next.
7. Click Create role.
8. Open the role and copy the Role ARN (in Account B).



Step 4 — In Account B: Allow Account A to Write

1. In Account B, go to S3 → Destination bucket → Permissions.
2. Scroll to Bucket policy → Edit.
3. Use Policy generator wizard

Effect → Allow

Actions → select:

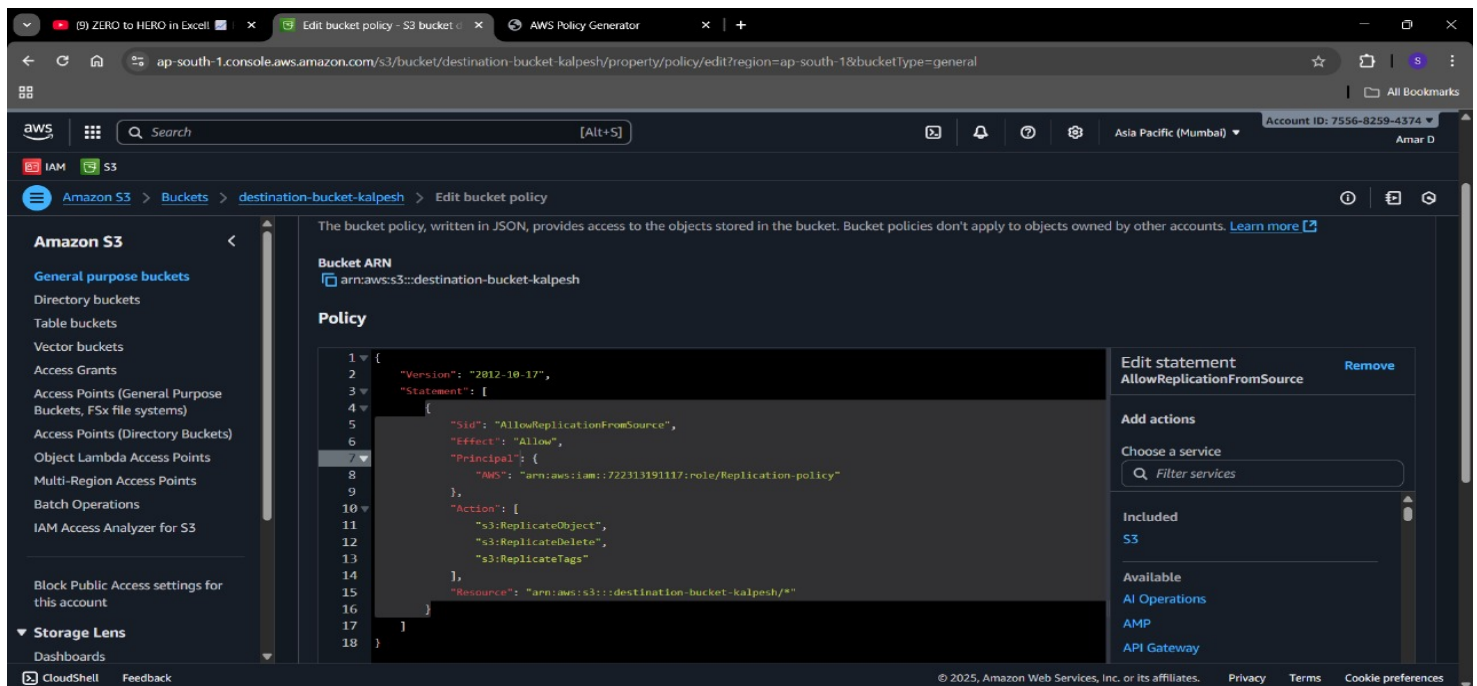
ReplicateObject

ReplicateDelete

ReplicateTags

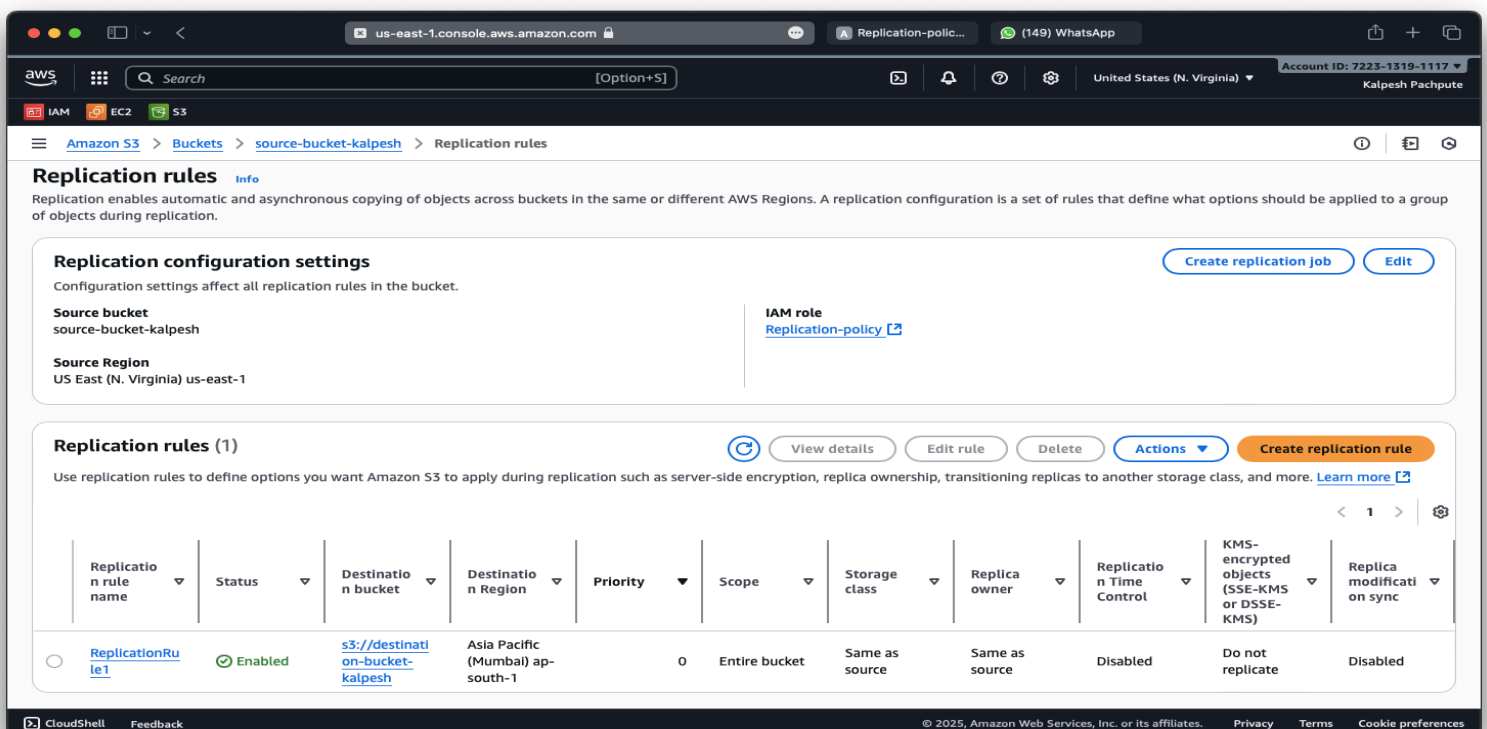
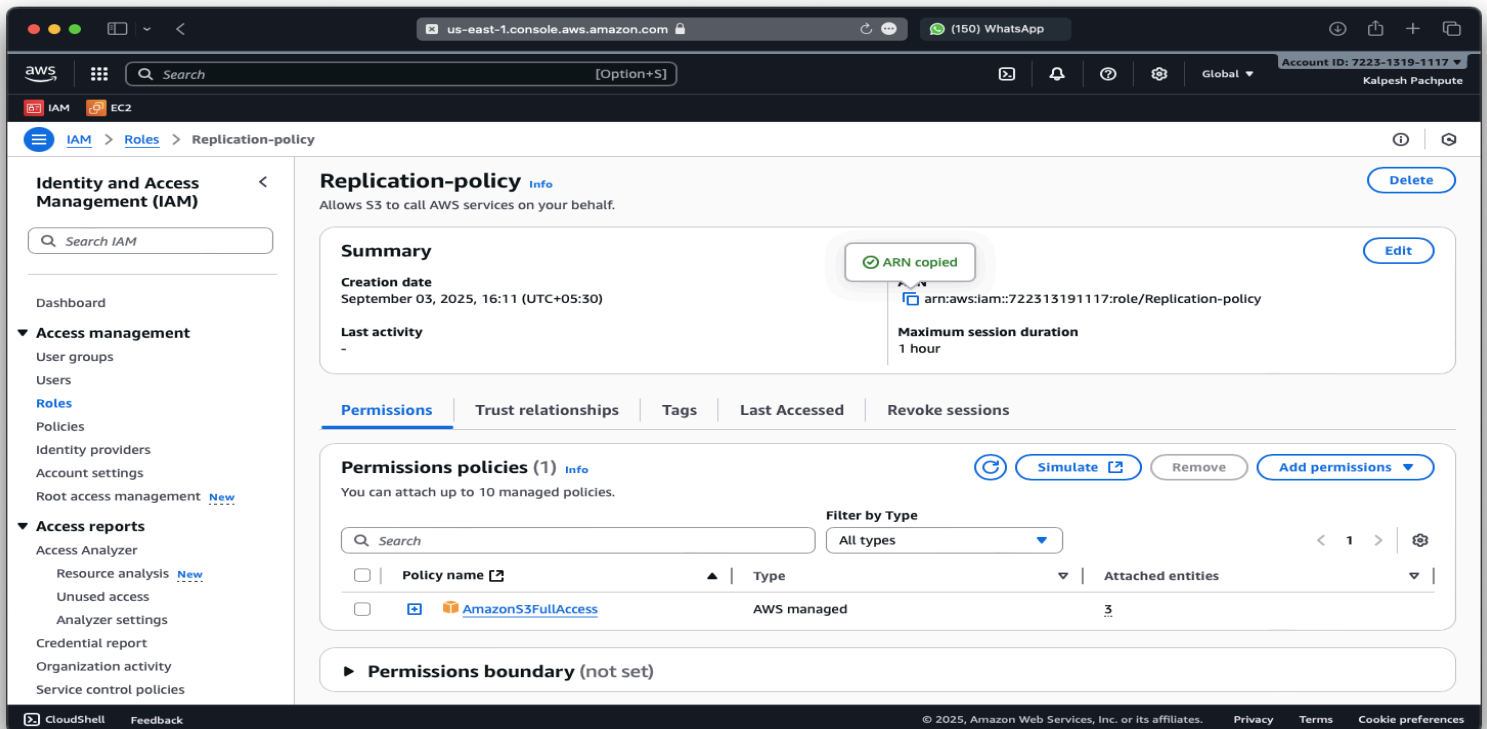
ARN → destination bucket

4. Save policy.



Step 5 — In Account A: Create Replication Rule

1. In Account A, go to S3 console → open Source bucket.
2. Go to Management tab → Replication rules → Create replication rule.
3. Enter rule name.
4. Choose Entire bucket.
5. Destination → choose Bucket in another account.
6. Enter:
Account B's Account ID.
Destination bucket name.
7. IAM Role → select the role that created.
8. Click Save.



Step 6 — Test Replication

1. In Account A, upload a file into source bucket.
 2. Wait a short time (replication is async).
 3. In Account B, open destination bucket → check file is appeared or not. Done!
- Cross-account replication works.

The screenshot shows the AWS Management Console interface for the 'Upload' page of a bucket named 'source-bucket-kalpesh'. The breadcrumb navigation shows 'Amazon S3 > Buckets > source-bucket-kalpesh > Upload'. The page title is 'Upload' with an 'Info' link. Below the title, there is a message: 'Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. [Learn more](#)'. A dashed box indicates where to drag and drop files. Below this, a section titled 'Files and folders (1 total, 76.7 KB)' shows a table with one file: 'Kalpesh_AWS.pdf' of type 'application/pdf' and size '76.7 KB'. There are 'Remove', 'Add files', and 'Add folder' buttons. A 'Destination' section shows the destination as 's3://source-bucket-kalpesh'. A 'Permissions' section is also visible at the bottom.

Upload [Info](#)

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (1 total, 76.7 KB) [Remove](#) [Add files](#) [Add folder](#)

All files and folders in this table will be uploaded.

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	Kalpesh_AWS.pdf	-	application/pdf	76.7 KB

Destination [Info](#)

Destination
[s3://source-bucket-kalpesh](#)

Destination details
Bucket settings that impact new objects stored in the specified destination.

Permissions
Grant public access and access to other AWS accounts.

The screenshot shows the 'Upload: status' page in the AWS Management Console. A green banner at the top says 'Upload succeeded' with a checkmark icon and a 'Close' button. Below this, a message states: 'After you navigate away from this page, the following information is no longer available.' The 'Summary' section shows the destination as 's3://source-bucket-kalpesh' and a status of 'Succeeded' with '1 file, 76.7 KB (100.00%)'. The 'Failed' status shows '0 files, 0 B (0%)'. The 'Files and folders' tab is selected, showing a table with one file: 'Kalpesh_AWS.pdf' of type 'application/pdf' and size '76.7 KB', with a status of 'Succeeded'.

Upload: status [Close](#)

[Info](#) After you navigate away from this page, the following information is no longer available.

Summary

Destination
[s3://source-bucket-kalpesh](#)

Succeeded
1 file, 76.7 KB (100.00%)

Failed
0 files, 0 B (0%)

Files and folders | Configuration

Files and folders (1 total, 76.7 KB)

Name	Folder	Type	Size	Status	Error
Kalpesh_AWS.pdf	-	application/pdf	76.7 KB	Succeeded	-

ap-south-1.console.aws.amazon.com/s3/buckets/destination-bucket-kalpesh?region=ap-south-1&bucketType=general&tab=objects

Search [Alt+S]

Asia Pacific (Mumbai) Account ID: 7556-8259-4374 Amar D

Amazon S3

General purpose buckets

Directory buckets

Table buckets

Vector buckets

Access Grants

Access Points (General Purpose Buckets, FSx file systems)

Access Points (Directory Buckets)

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

CloudShell Feedback

destination-bucket-kalpesh Info

Objects Properties Permissions Metrics Management Access Points

Objects (1) 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](#)

Find objects by prefix Show versions

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	Kalpesh_AWS.pdf	pdf	September 3, 2025, 17:08:55 (UTC+05:30)	76.7 KB	Standard

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

