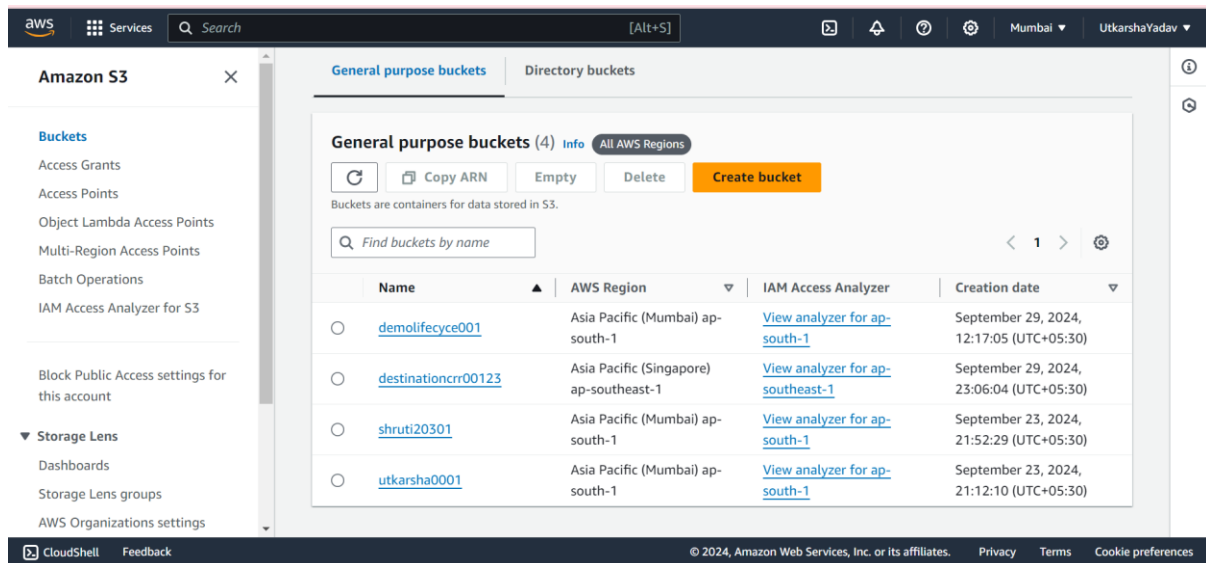


Assignment 6 – S3 Cross Region Replication

Buckets (source and destination) must be different regions

Versioning must be enabled and No IAM user will have access to Destination bucket.

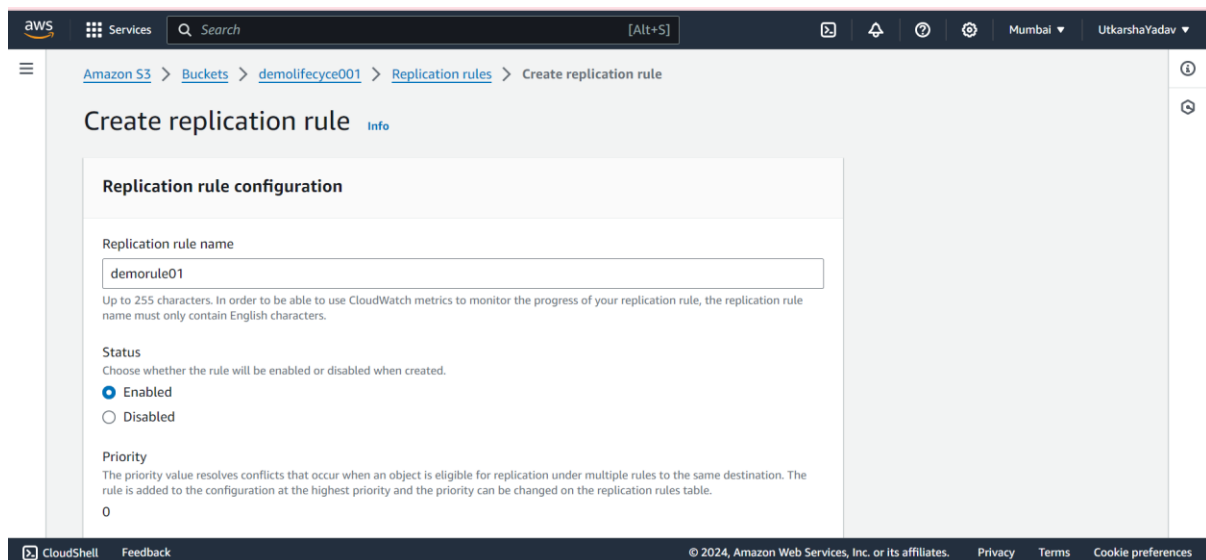
One bucket already exists in Mumbai region so make another bucket in Singapore region with ACLs enabled and versioning enabled.



The screenshot shows the Amazon S3 console interface. The left sidebar contains navigation links for Buckets, Access Grants, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, IAM Access Analyzer for S3, Storage Lens, Dashboards, Storage Lens groups, and AWS Organizations settings. The main content area displays 'General purpose buckets (4)' with a search bar and a table of buckets. The table has columns for Name, AWS Region, IAM Access Analyzer, and Creation date. The buckets listed are:

Name	AWS Region	IAM Access Analyzer	Creation date
demolifecyce001	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	September 29, 2024, 12:17:05 (UTC+05:30)
destinationcrr00123	Asia Pacific (Singapore) ap-southeast-1	View analyzer for ap-southeast-1	September 29, 2024, 23:06:04 (UTC+05:30)
shruti20301	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	September 23, 2024, 21:52:29 (UTC+05:30)
utkarsha0001	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	September 23, 2024, 21:12:10 (UTC+05:30)

Create replication rule



The screenshot shows the 'Create replication rule' page in the Amazon S3 console. The breadcrumb navigation is 'Amazon S3 > Buckets > demolifecyce001 > Replication rules > Create replication rule'. The main heading is 'Create replication rule'. The 'Replication rule configuration' section includes the following fields:

- Replication rule name:** A text input field containing 'demorule01'. Below the field, a note states: 'Up to 255 characters. In order to be able to use CloudWatch metrics to monitor the progress of your replication rule, the replication rule name must only contain English characters.'
- Status:** A section with the instruction 'Choose whether the rule will be enabled or disabled when created.' It has two radio buttons: 'Enabled' (selected) and 'Disabled'.
- Priority:** A section with the instruction 'The priority value resolves conflicts that occur when an object is eligible for replication under multiple rules to the same destination. The rule is added to the configuration at the highest priority and the priority can be changed on the replication rules table.' It has a text input field containing '0'.

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Priority

The priority value resolves conflicts that occur when an object is eligible for replication under multiple rules to the same destination. The rule is added to the configuration at the highest priority and the priority can be changed on the replication rules table.

0

Source bucket

Source bucket name

demolifecyce001

Source Region

Asia Pacific (Mumbai) ap-south-1

Choose a rule scope

☐ Limit the scope of this rule using one or more filters

☒ Apply to all objects in the bucket

Destination

CloudShell

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Choose a bucket

S3 Buckets

Buckets (1/4)

Find buckets by name

Name

▼

AWS Region

▼

☐ demolifecyce001

Asia Pacific (Mumbai) ap-south-1

☒ destinationcrr00123

Asia Pacific (Singapore) ap-southeast-1

☐ shruti20301

Asia Pacific (Mumbai) ap-south-1

☐ utkarsha0001

Asia Pacific (Mumbai) ap-south-1

Cancel

Choose path

CloudShell

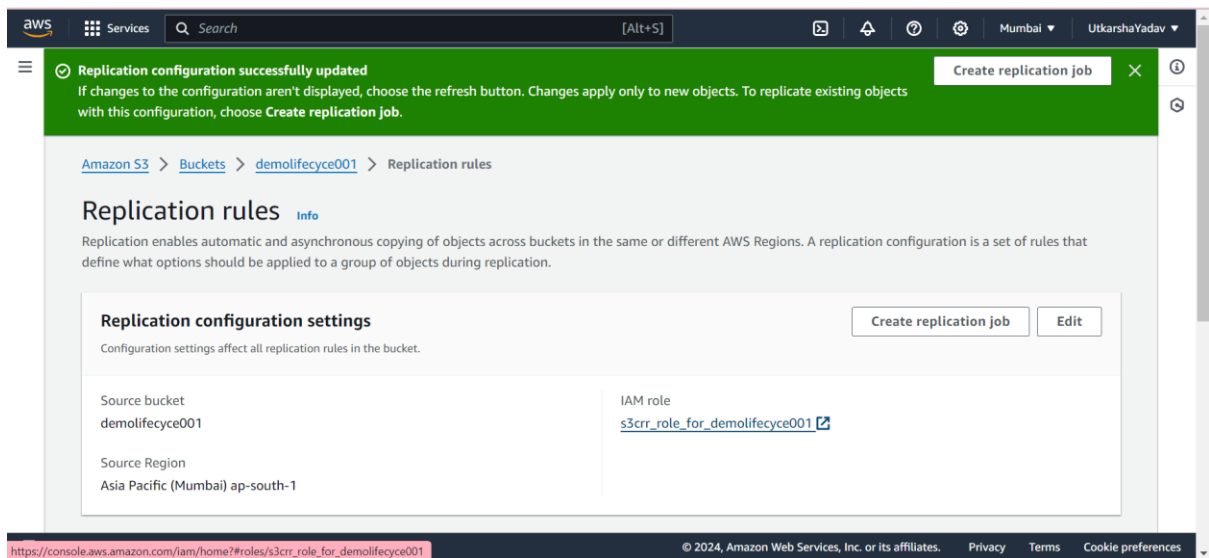
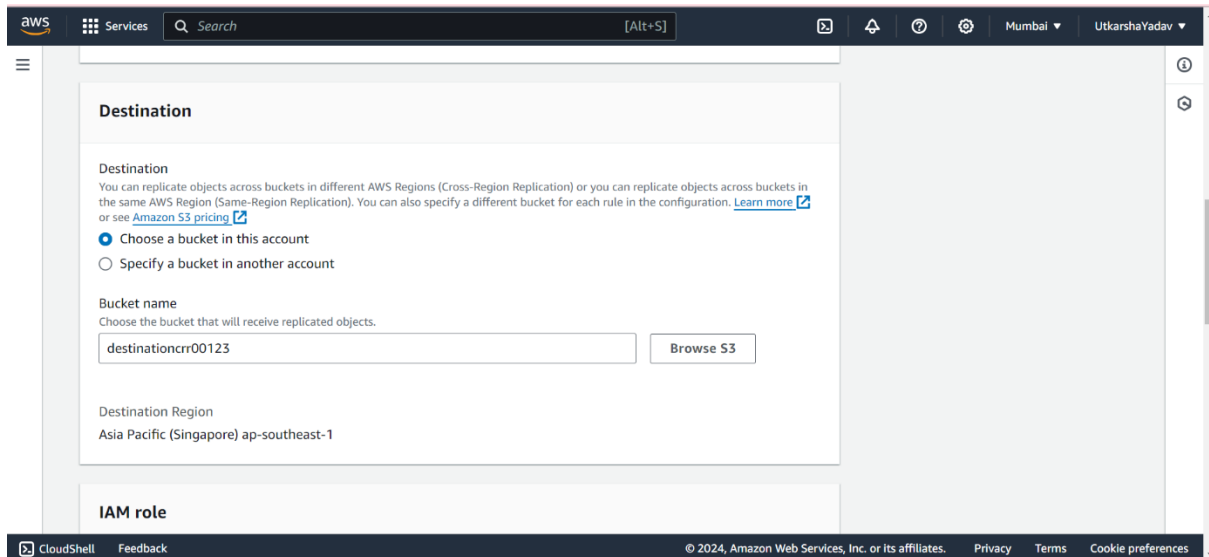
Feedback

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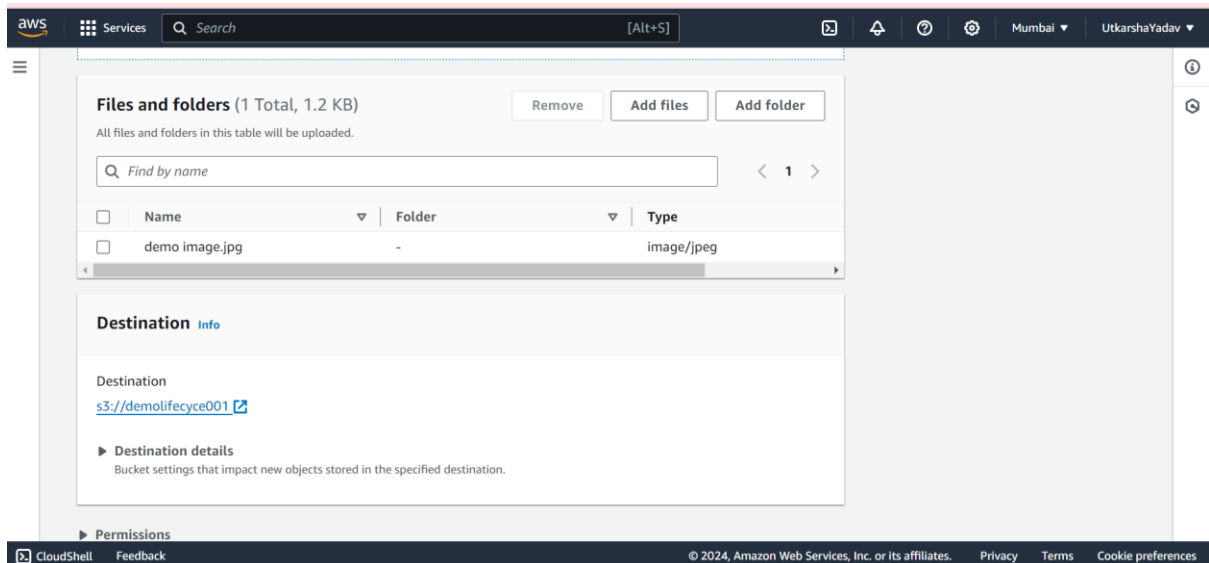
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Add object in source bucket and check in destination bucket if object is copied there.



Object is copied to destination bucket .

The screenshot shows the AWS S3 console interface. On the left, the 'Amazon S3' sidebar is visible with options like Buckets, Access Grants, and Storage Lens. The main panel displays the 'destinationcrr00123' bucket. The 'Objects' tab is active, showing a table with one object: 'demo image.jpg'. The object's details include its type (jpg), last modified date (September 29, 2024, 23:24:34 (UTC+05:30)), size (1.2 KB), and storage class (Standard). Above the table, there are buttons for 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', and 'Actions'. A search bar and a 'Show versions' toggle are also present.

Name	Type	Last modified	Size	Storage class
demo image.jpg	jpg	September 29, 2024, 23:24:34 (UTC+05:30)	1.2 KB	Standard

Delete an object from source bucket, check if it is deleted or present in destination bucket.

The screenshot shows the 'Delete objects?' dialog box in the AWS S3 console. At the top, there is a warning message: 'Deleting the specified objects adds delete markers to them. If you need to undo the delete action, you can delete the delete markers. Learn more'. Below this, the 'Specified objects' section shows a search bar and a table with one object: 'demo image.jpg'. The object's details include its type (jpg), last modified date (September 29, 2024, 23:24:34 (UTC+05:30)), and size (1.2 KB). The 'Delete objects?' section contains a text input field with the word 'delete' entered. At the bottom, there are 'Cancel' and 'Delete objects' buttons.

Name	Type	Last modified	Size
demo image.jpg	jpg	September 29, 2024, 23:24:34 (UTC+05:30)	1.2 KB

Object is not deleted from destination bucket. Because delete action only happens on source bucket and deleted data is present in destination bucket.

