

Assignment-3

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****Create two S3 bucket in different regions, upload a file in one S3 bucket and transfer the same file from one S3 bucket to other S3 bucket.**

S3 means simple storage service .By using the s3 we can create the different types of buckets in different types of region.

Amazon S3 Cross-Region Replication (CRR) automatically copies objects from one S3 bucket in one AWS region to another in a different region

Steps for this process:

Create the two different types of buckets in two different regions.

Amazon S3 > Buckets > Create bucket

Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region

US West (N. California) us-west-1 ▼

Bucket name [Info](#)

firstts3

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

Copy settings from existing bucket - *optional*

Only the bucket settings in the following configuration are copied.

Choose bucket

Format: s3://bucket/prefix

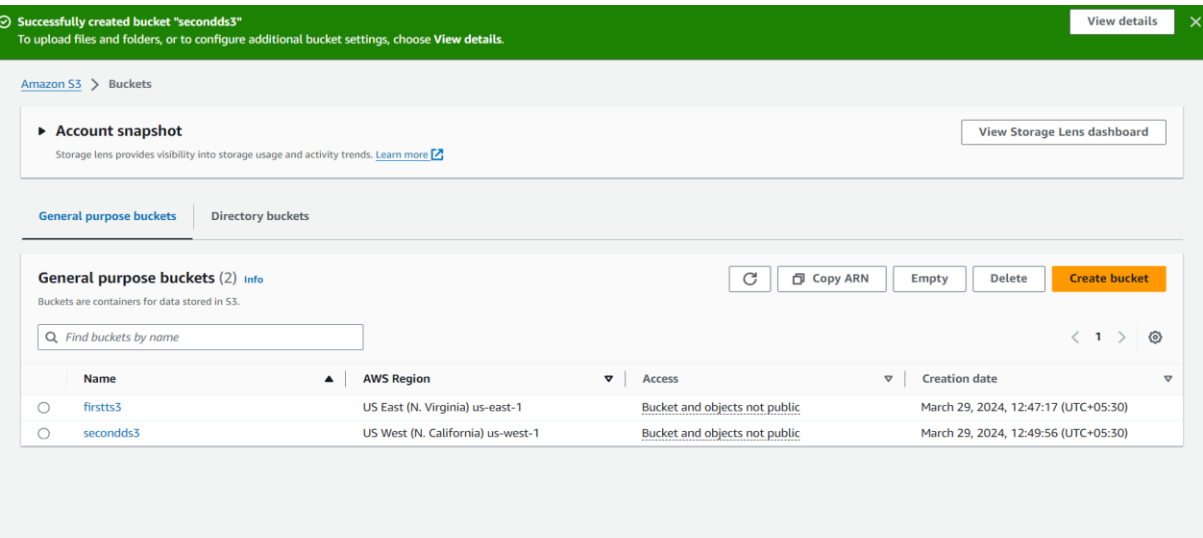
Object Ownership [Info](#)

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

☒ ACLs disabled (recommended)

☐ ACLs enabled

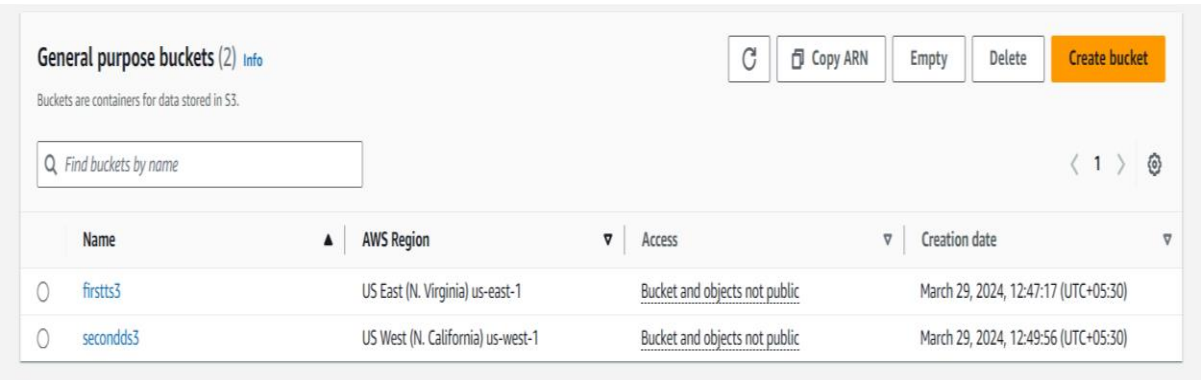
The two different buckets in different region are



Here I am taking the one bucket as source bucket and one bucket as the destination bucket

Here the source bucket is “firstts3”

Here the destination bucket is “secondds3”



After creating the two buckets then upload the file/floaders into the source bucket

By creating the replication rule in the source bucket

Replication rule processs:

IAM role

- ☒ Create new role
- ☐ Choose from existing IAM roles
- ☐ Enter IAM role ARN

Encryption

Server-side encryption protects data at rest.

- ☐ Replicate objects encrypted with AWS Key Management Service (AWS KMS)
Replicate SSE-KMS and DSSE-KMS encrypted objects.

Destination storage class

Amazon S3 offers a range of storage classes designed for different use cases. [Learn more](#) or see [Amazon S3 pricing](#)

- ☐ Change the storage class for the replicated objects

Additional replication options

- ☒ Replication Time Control (RTC)

After creating the replication rule process then we need to click on the Yes,replicate exixting objects.

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

Finally the two buckets are having the same types of files, because we replicated the same file to the destination bucket.the final output is for replicating the files are:

Services

Search

[Alt+S]

Global

sal s

Successfully created job ID a1c7859c-01dc-45da-9580-0e4f206f6174

The time it takes to prepare a job is based on the size of the job's manifest and the time required to complete higher-priority jobs.

View details

Amazon S3 > Batch Operations

Batch Operations [Info](#)

A job is used to execute batch operations on a list of S3 objects. The list of S3 objects is contained in a manifest object, which can be an S3 inventory report or a list of objects that you generate. After the total number of objects listed in the manifest has been confirmed, the job status will update to *Awaiting your confirmation to run*, and you must **Run job** within 30 days. Job events are published to [CloudWatch Events](#). Jobs are deleted 90 days after they finish or fail. [Learn more](#)

Jobs (1)

Run job

Actions

Clone job

Create job

Search by job ID or description

All status types

US East (N. Virginia) us-east-1

< 1 >

	Job ID	Status	Description	Operation	Date created	Total objects	% Complete	Total failed (rate)	Priority
<input type="radio"/>	a1c7859c-01dc-45da-9580-0e4f206f6174	New	2024-03-29 - Replicate	Replicate	March 29, 2024, 12:56:59 (UTC+05:30)	Not yet available	0%	0 (0%)	10