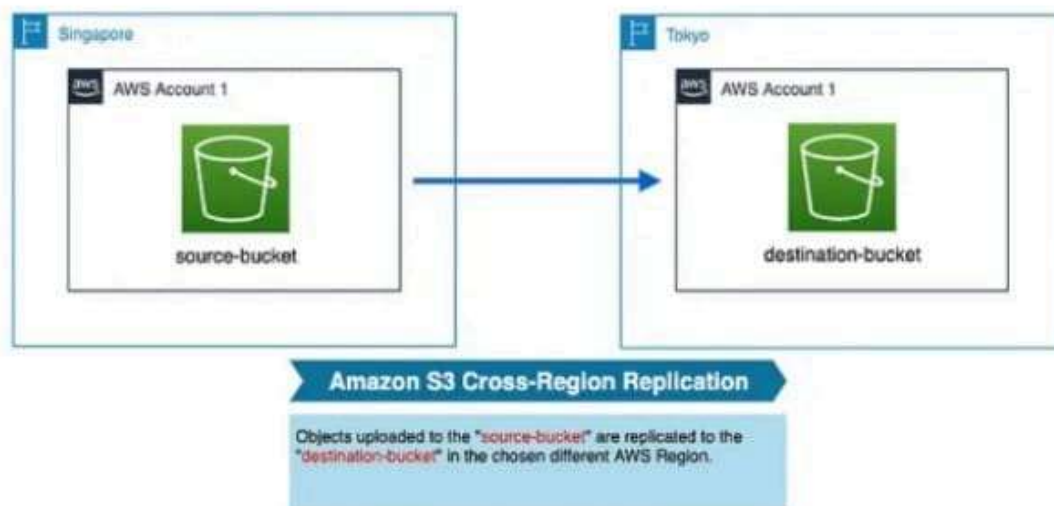# CROSS REGION REPLICATION IN S3

- S3 is a simple storage service and it is used for storage purposes, it is object based storage .
- In s3 we store the data in buckets .
- S3 is global and it is highly available,scalable,durable and secure.
- We can store any amount of data from anywhere in s3 because it is global .

CREATING BUCKET

- If we create a root level folder then it is called a bucket .
- The data is stored in the form of an object in a bucket .
- Buckets are regional.
- We can create multiple buckets in multiple regions .
- We can't create one bucket inside another bucket .

For cross region replication first create two buckets in two different regions .

> Buckets are nothing but folders in s3.

Step 1 : create two buckets in two different regions .

- We have to enable versioning so that we know the current version .
- Versioning is used to differentiate the old one and new one .
- We can also track the changes .

CREATING OBJECTS IN BUCKETS

—- create objects in two different regions **.**

Step 2 : Now create objects in the s3 bucket (cross region
replication-a) **.**

- **Objects are nothing but files in buckets.**
- **Object name must be unique.**
- **Object name must be in 3 to 63 characters and lowercase letters .**

We have created two objects in one bucket .

>> now transform one object in a bucket to another bucket ,for that we use cross region replication .

CROSS REGION REPLICATION

- In cross region replication we replicate an object from a bucket in one region to another bucket in another region .
- If we delete the same replicated object in one region it is not deleted in another region .

    – select the object that you want to replicate and go to actions and click on move, there give the destination bucket name .

Successfully replicated the object to another bucket in another region .

We can see the replicated object in another bucket in other region successfully .