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**LESSON : AWS**

**SUBJECT: S3-2**

**BATCH : B 303**

**AWS-DEVOPS**



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# **Lifecycle Management**

# Lifecycle Management

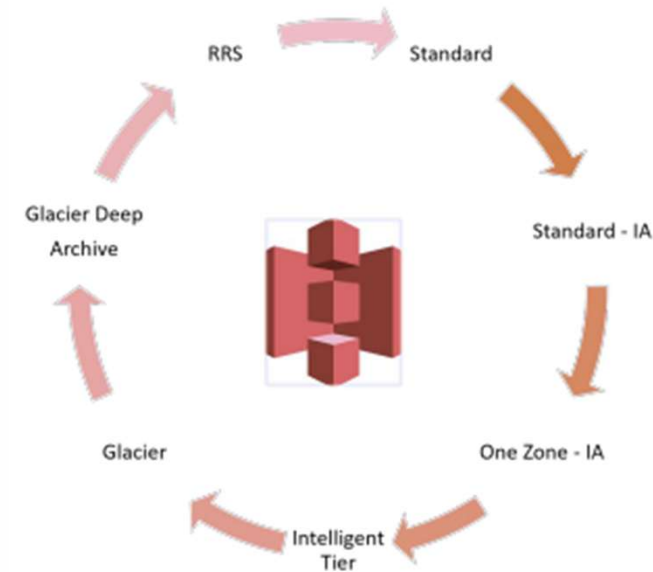
## What is Lifecycle Management?

- Lifecycle management is to determine how an object will be subject to a storage policy during the time it is stored in S3.
- So, it is used to ;

**Transition** objects to another storage class,

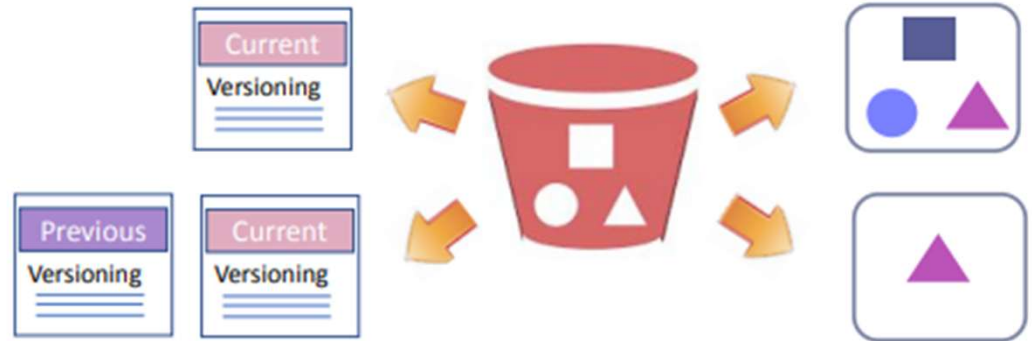
**Archive** objects,

**Delete** objects after a specified period of time.



# Lifecycle Management

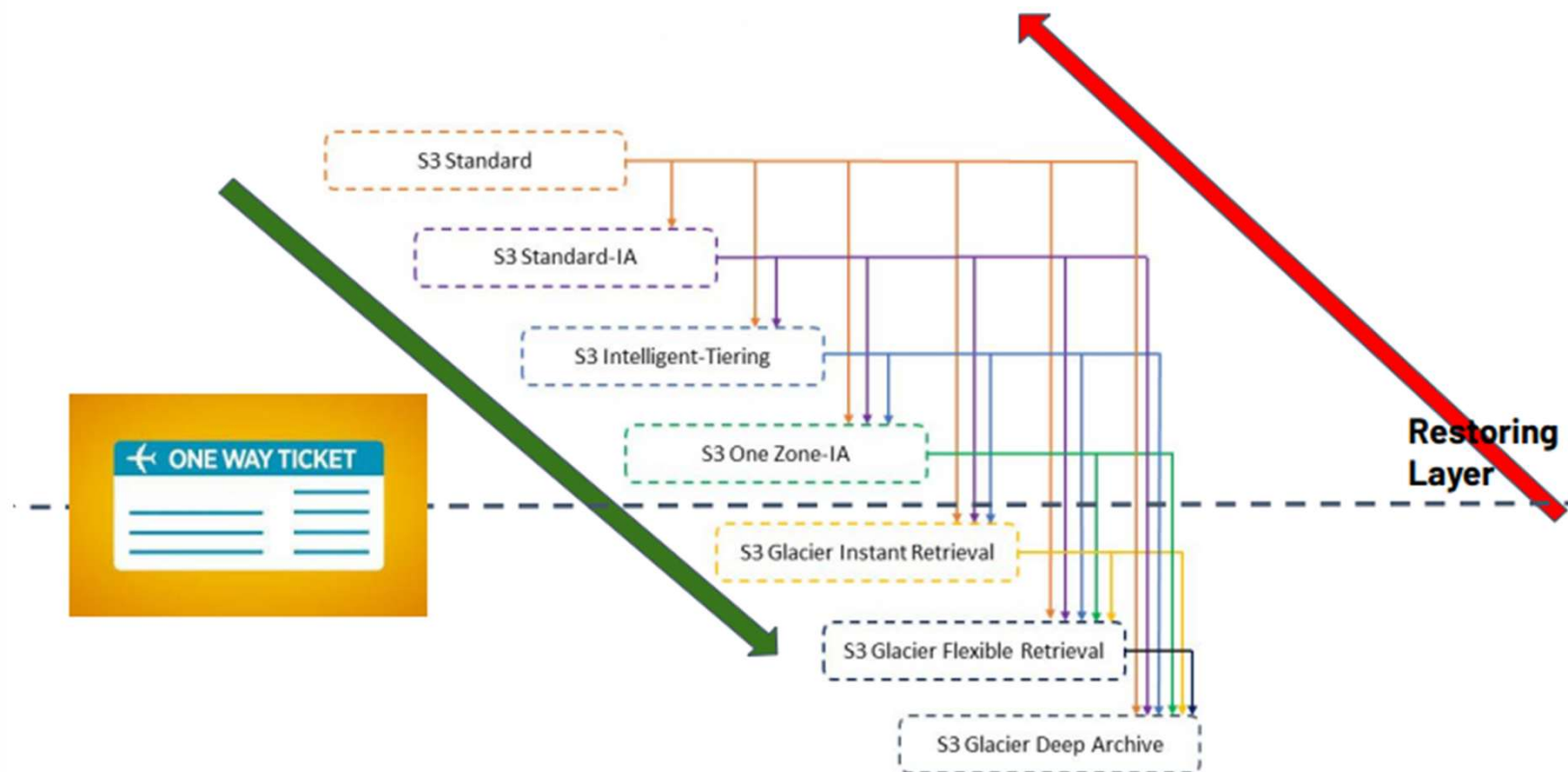
## Lifecycle Management



- A lifecycle policy is **bucket-base component**.
- You can narrow Lifecycle Management by using a **prefix or tag**
- Available for both **current and previous**
- Minimum days for transition

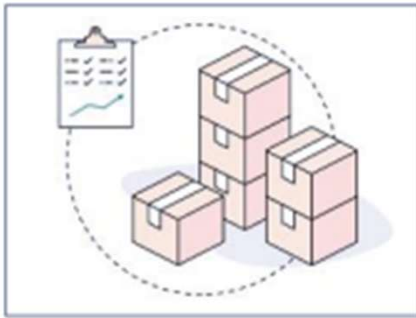
# Lifecycle Management

## Transition



# Lifecycle Management

## Advantage of Lifecycle Management



- It provides you to arrange your S3 inventory,
- You can save money by transition the objects to the cost-effective storage class,
- You can get rid of redundant objects,



# Lifecycle Management

Enabling Lifecycle Management

## Lifecycle Management Path

S3>Bucket> Management > Lifecycle rules >Create lifecycle rule

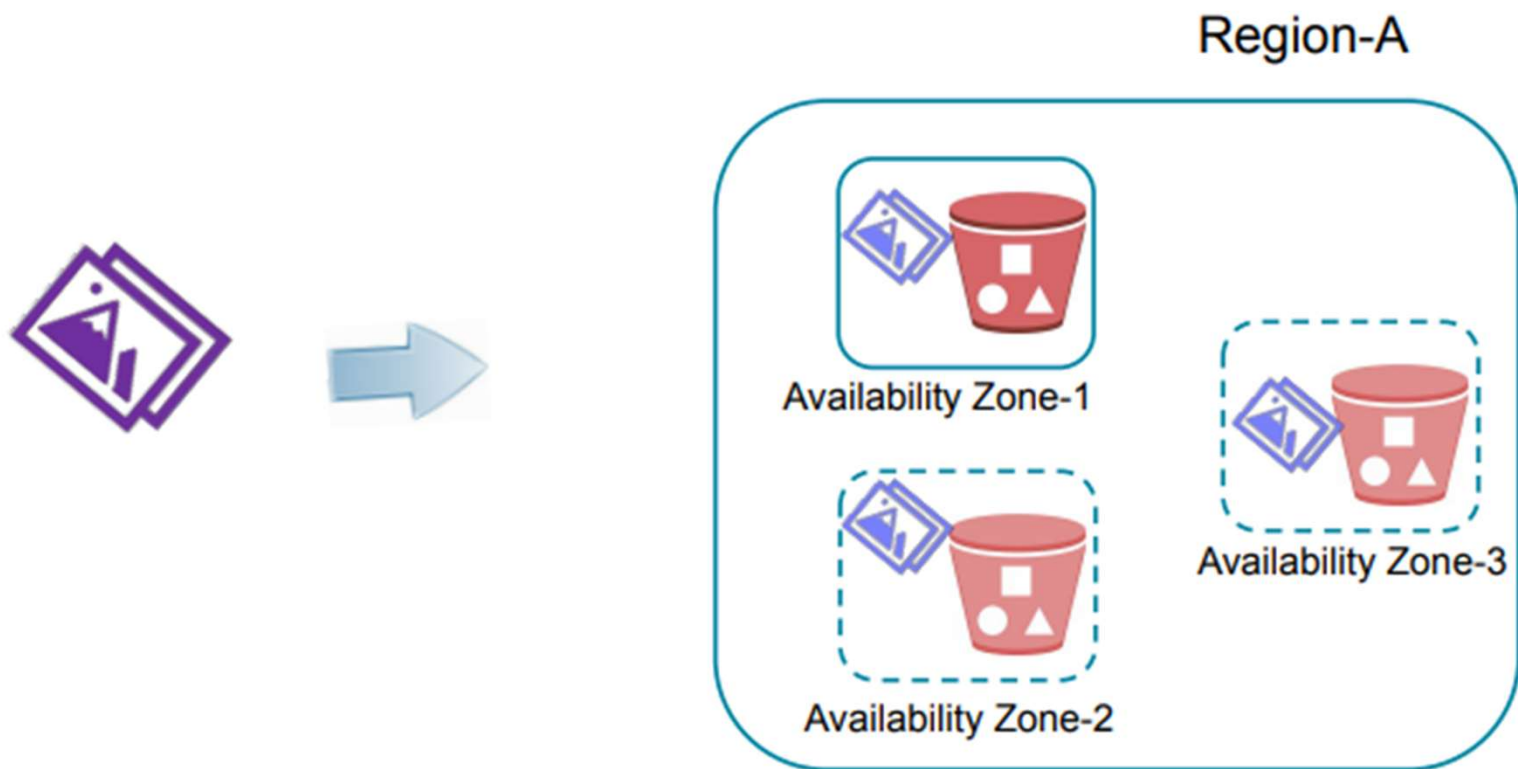




# **Bucket Replication**

# Bucket Replication

What is Bucket Replication?



# Bucket Replication

## What is Bucket Replication?



- Replication is to copy the objects in the buckets to another bucket in different region or in the same region.
- There are 2 types of replication in S3:
  - Cross-Region Replication (CRR) is used to copy objects in different AWS Regions
  - Same-Region Replication (SRR) is used to copy objects in the same AWS Region

# Bucket Replication

## Replication Features



- Keep the object's metadata while replicating
- Replicating in Different storage class
- Option of changing ownership of the replicated object
- Synchronizing within **15 minutes**.
- Narrowing replication based on **prefix or tag**

# Bucket Replication

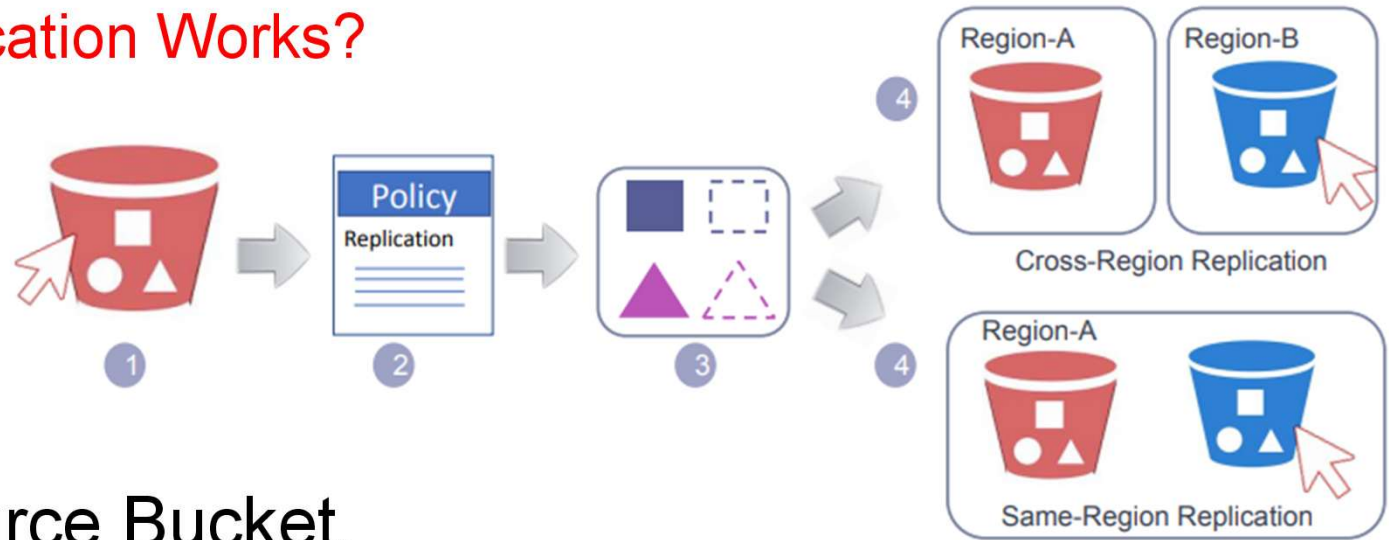
## Why Replication?

- Compliance requirements
- Backup
- Minimize latency
- Aggregating related data into a single bucket.



# Bucket Replication

## How S3 Replication Works?



- 1- Select the Source Bucket,
- 2- Determine your replication policy,
- 3- Select your data set by object tag, prefix or entire bucket,
- 4- Select the Destination Bucket in the same region or in different region.

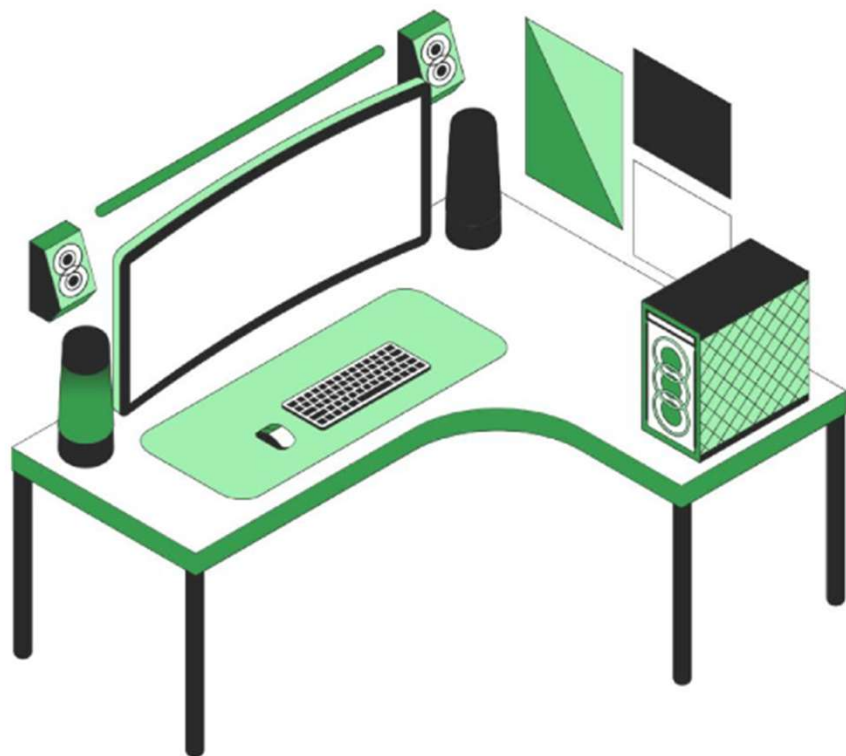


# Bucket Replication

## Creating Bucket Replication

### Bucket Replication Path

S3>Bucket> Management > Bucket Replication >Create  
Replication Rule



# Do you have any questions?

Send it to us! We hope you learned something new.