



## AWS S3-2



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# Lifecycle Management

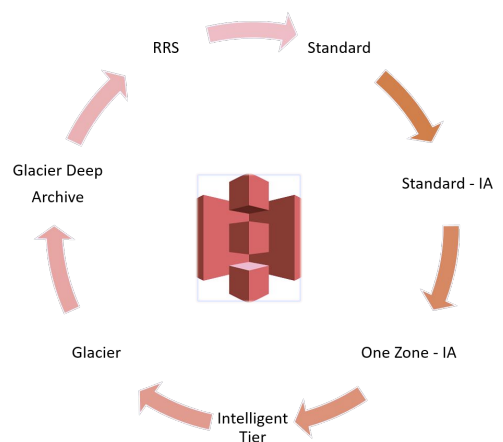
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## Lifecycle Management

### 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.

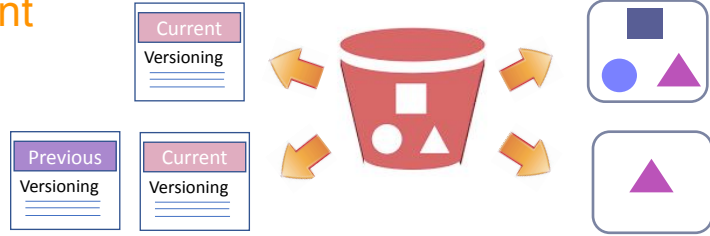


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# Lifecycle Management

## Lifecycle Management

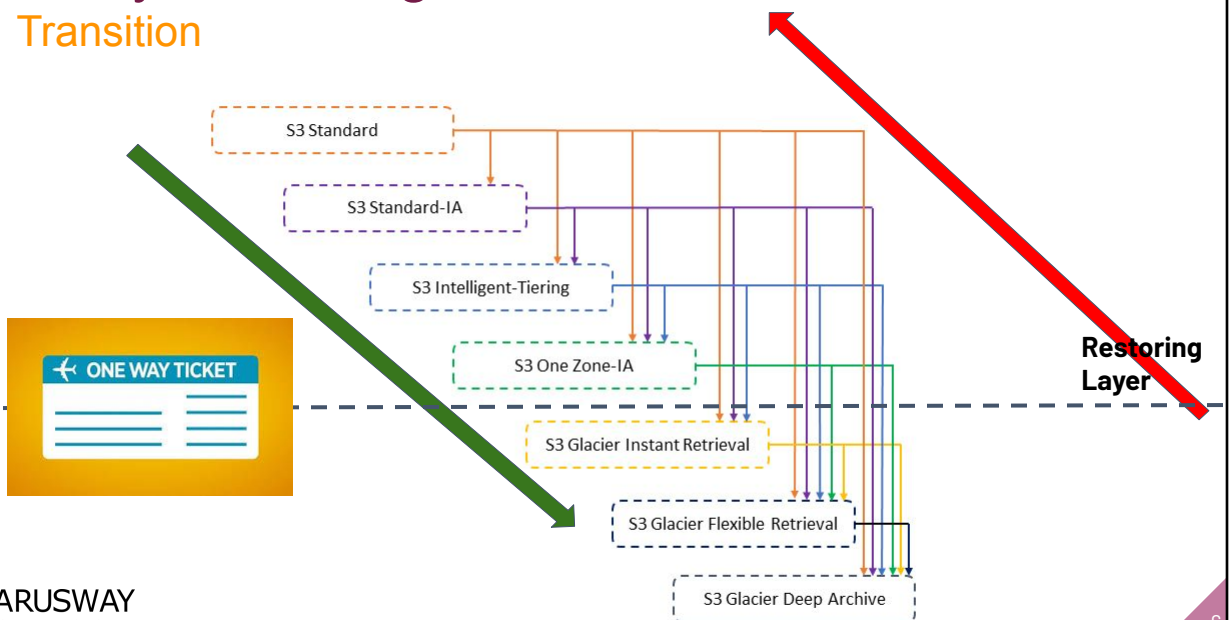


- A lifecycle policy is **bucket-base component**.
- You can narrow Lifecycle Management by using a **prefix** or **tag**
- Available for both **current** and **previous**
- Minimum days for transition



# Lifecycle Management

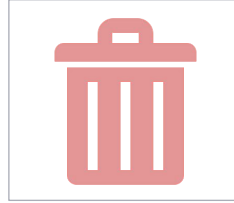
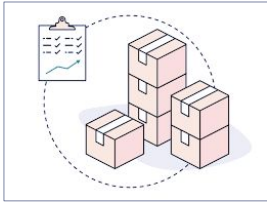
## Transition





# 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>Add a Lifecycle Rule



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## Bucket Replication

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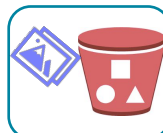


### Bucket Replication

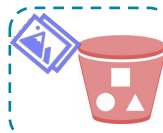
What is Bucket Replication?



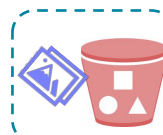
Region-A



Availability Zone-1



Availability Zone-2



Availability Zone-3

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# 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

## Why Replication?

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



# Bucket Replication

## Replication Features

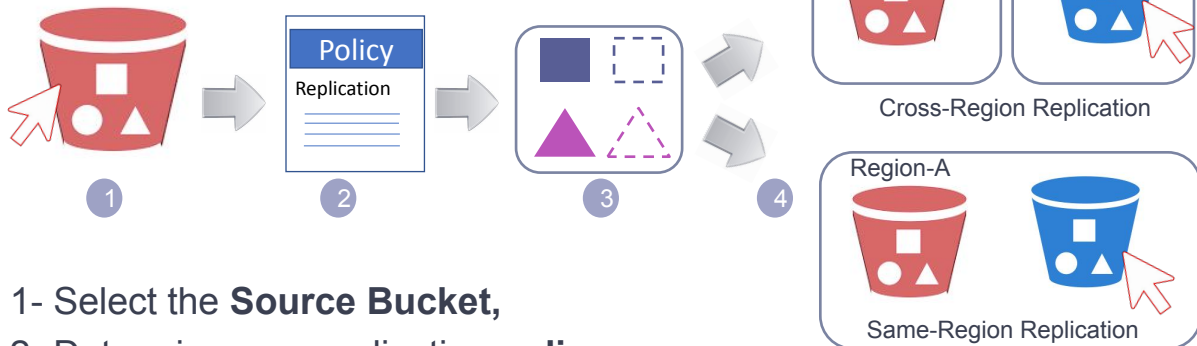


- Keep the object's **metadata** while replicating
- **Replicating in Different storage class**
- Option of changing ownership **of the** replicated object
- Synchronizing **within 15 minutes.**
- Narrowing replication based on **prefix or tag**



# Bucket Replication

## 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 >Add a Rule



# Lifecycle Management & Bucket Replication

Let's get our hands dirty!

- Enabling Lifecycle Management
- Creating Bucket Replication





# THANKS!

## Any questions?

