



AWS S3-2





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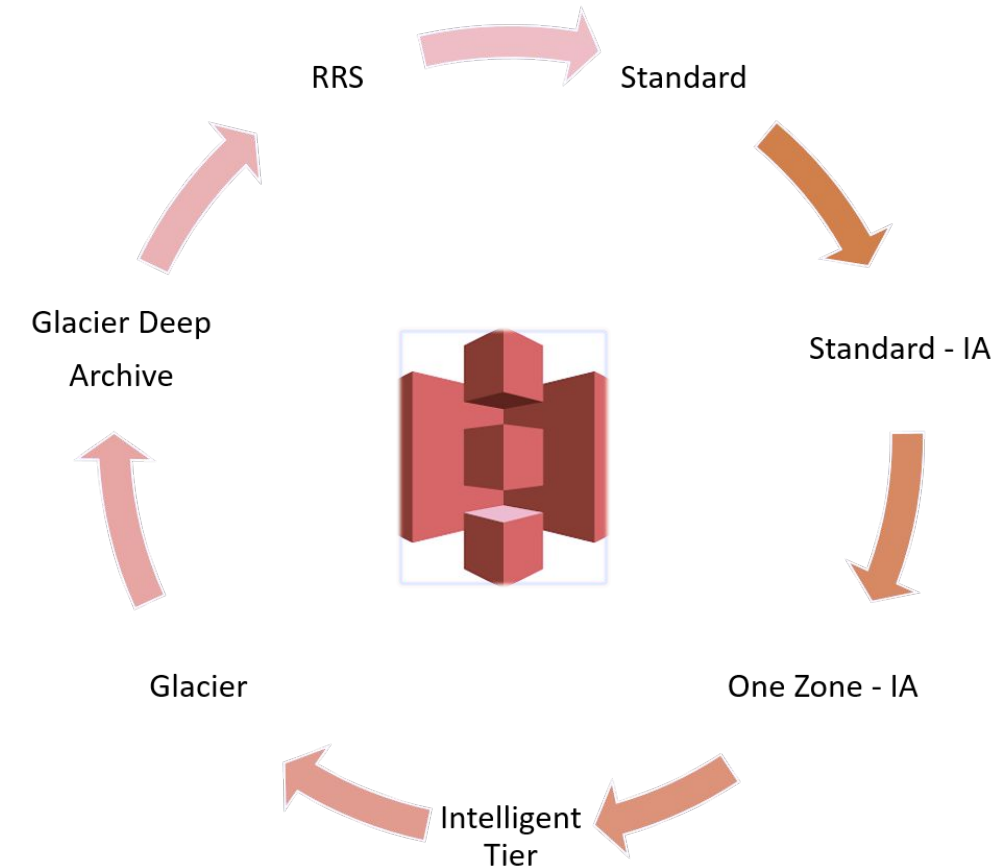
Lifecycle Management



Lifecycle Management

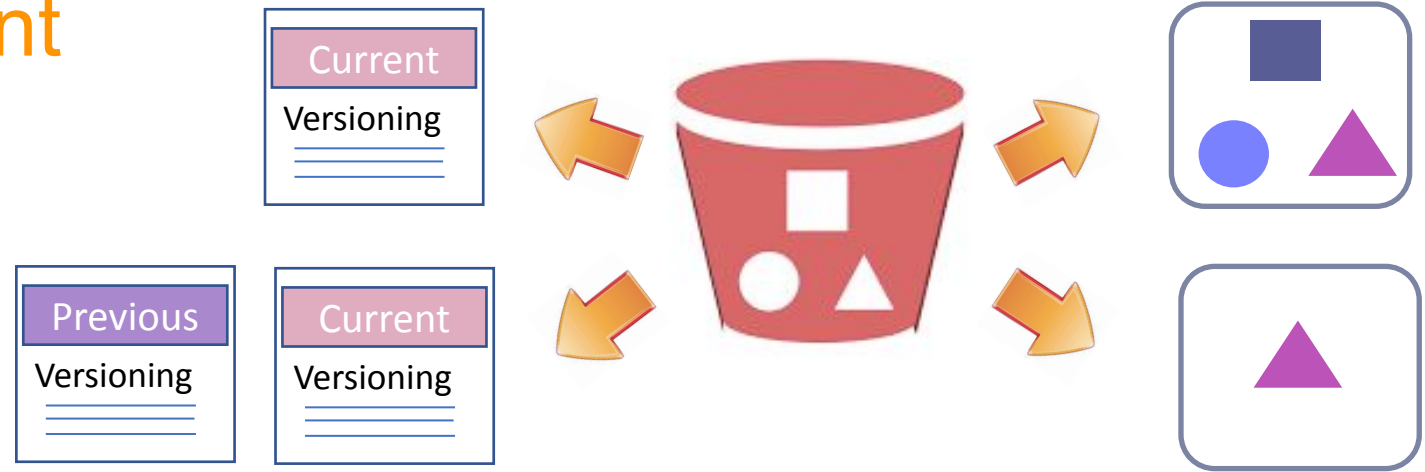
What is Lifecycle Management?

- 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

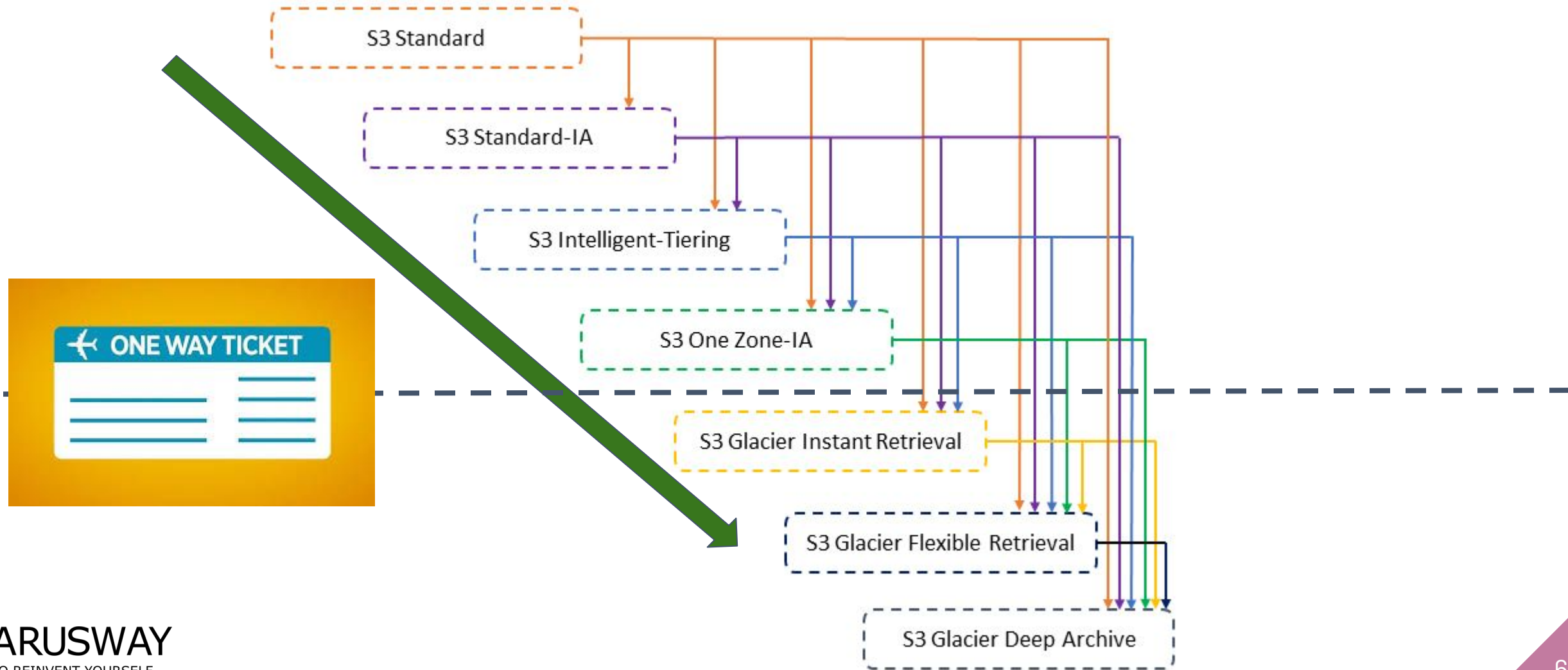


- A lifecycle policy is **bucket-based component**.
- You can narrow Lifecycle Management by using a **prefix** or **tag**
- Available for both **current** and **previous**
- Minimum days for transition



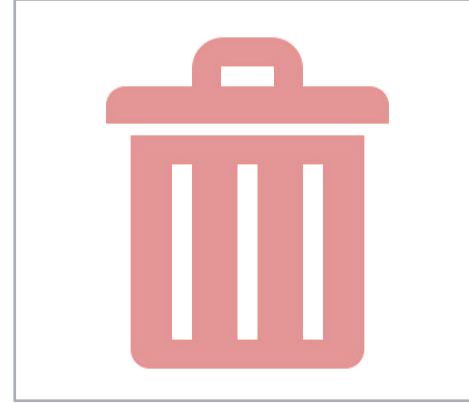
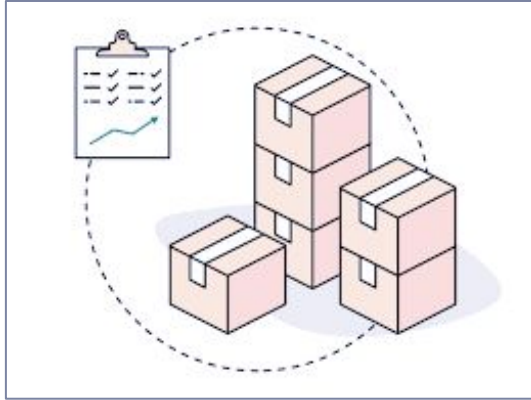
Lifecycle Management

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

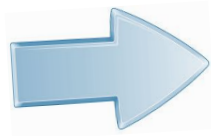


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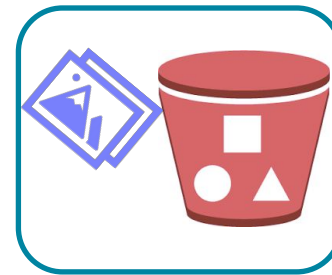
Bucket Replication

Bucket Replication

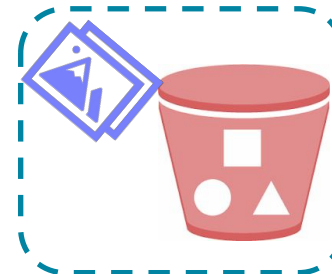
What is Bucket Replication?



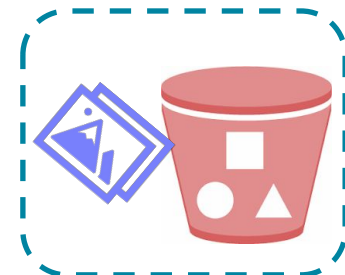
Region-A



Availability Zone-1



Availability Zone-2



Availability Zone-3



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 (even in different accounts)**.
- 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

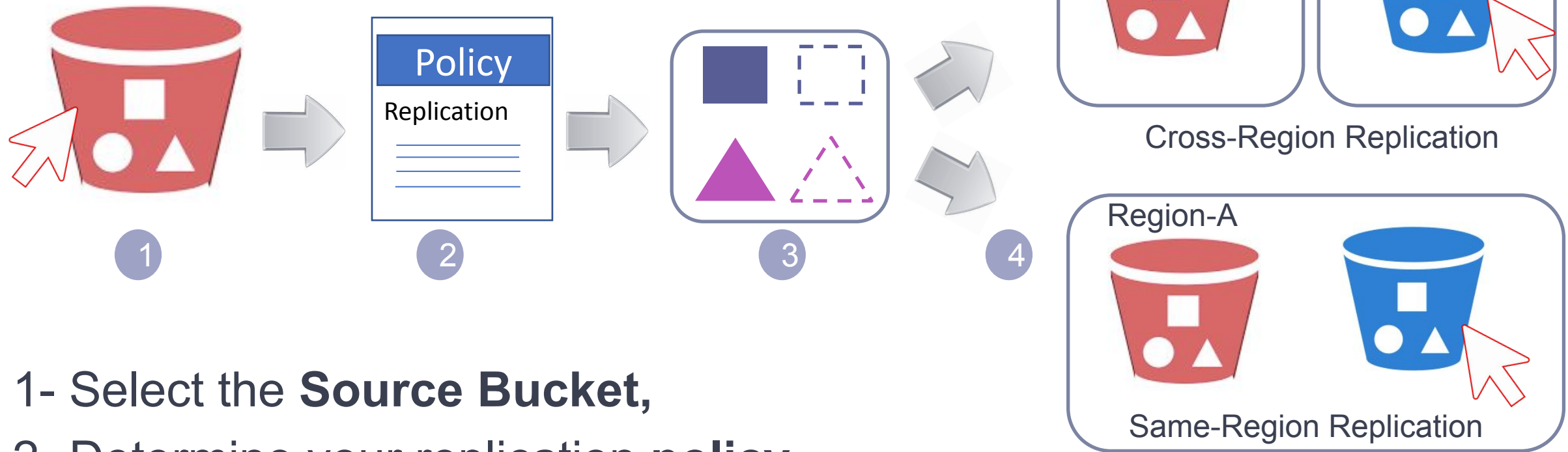
Replication Features



- 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?

