



NAME:SOWMYA

GAMIL:sowmyamokka7@gmail.com

AMAZON S3 LIFECYCLE MANAGEMENT

- S3 Lifecycle Management in simple terms when in an S3 bucket some data is stored for a longer time in standard storage even when not needed. The need to shift this old data to cheaper storage or delete it after a span of time gives rise to life cycle management.
 - It is used so that objects are stored cost-effectively throughout their lifecycle
- Now create one source bucket and we will upload the data in that source bucket
 - Now click on bucket and click on create bucket

Amazon S3

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

General purpose buckets | Directory buckets

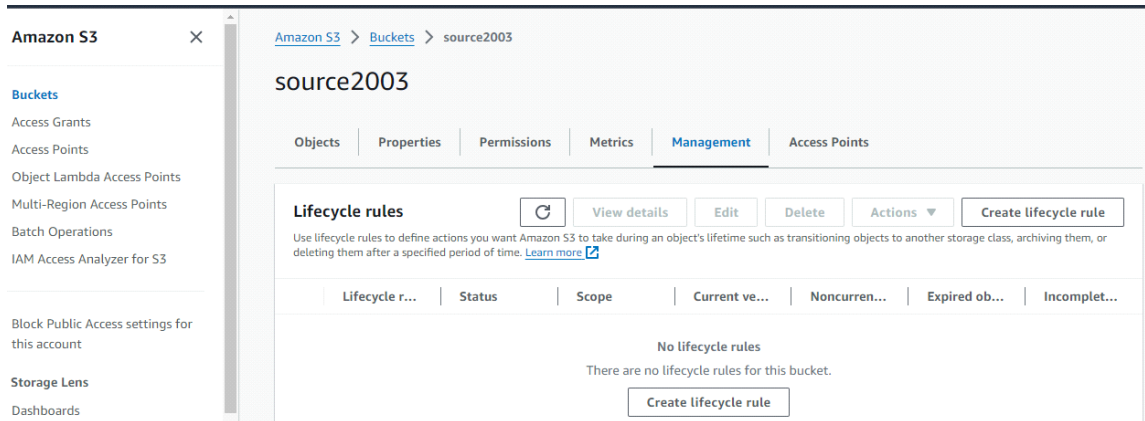
General purpose buckets (3) Info All AWS Regions

[Refresh](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

Buckets are containers for data stored in S3.

	Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/>	destination2003	Asia Pacific (Osaka) ap-northeast-3	View analyzer for ap-northeast-3	June 20, 2024, 01:08:00 (UTC+05:30)
<input type="radio"/>	harivarsha	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	June 20, 2024, 11:35:44 (UTC+05:30)
<input type="radio"/>	source2003	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	June 20, 2024, 01:03:01 (UTC+05:30)

- click on source bucket and go to management
- click on create lifecycle management



- now give a lifecycle rule name
- In lifecycle rule actions we will select Move current versions of objects between storage classes.

Create lifecycle rule Info

Lifecycle rule configuration

Lifecycle rule name

Up to 255 characters

Choose a rule scope

☐ Limit the scope of this rule using one or more filters
☒ Apply to all objects in the bucket

⚠ Apply to all objects in the bucket

If you want the rule to apply to specific objects, you must use a filter to identify those objects. Choose "Limit the scope of this rule using one or more filters". [Learn more](#)

☒ I acknowledge that this rule will apply to all objects in the bucket.

Lifecycle rule actions

Choose the actions you want this rule to perform. Per-request fees apply. [Learn more](#) or see [Amazon S3 pricing](#)

☒ Move current versions of objects between storage classes
☐ Move noncurrent versions of objects between storage classes
☐ Expire current versions of objects
☐ Permanently delete noncurrent versions of objects
☐ Delete expired object delete markers or incomplete multipart uploads
These actions are not supported when filtering by object tags or object size.

- Now add storage classes transition
- now for standard-IA i enter 30 and click on add transition
- now for intelligent-tiering i enter 70 because it must be more than 60 because standard-IA is 30 so we will add 30 for intelligent-tiering so i gave 70.
- as well as we will add the next transitions that are One Zone-IA, Glacier Flexible and Glacier Deep Archive.
- And select I acknowledge

- click on create lifecycle.

Transition current versions of objects between storage classes

Choose transitions to move current versions of objects between storage classes based on your use case scenario and performance access requirements. These transitions start from when the objects are created and are consecutively applied. [Learn more](#)

Choose storage class transitions	Days after object creation	
Standard-IA ▼	30	Remove
Intelligent-Tiering ▼	70	Remove
One Zone-IA ▼	110	Remove
Glacier Flexible Retrieval (formerl... ▼	150	Remove
Glacier Deep Archive ▼	250	Remove

[Add transition](#)



Transitioning small objects to Glacier Flexible Retrieval (formerly Glacier) or Glacier Deep Archive will incur a per object cost

You will be charged for each object you transition to S3 Glacier Flexible Retrieval (formerly Glacier) or S3 Glacier Deep Archive. A fixed amount of storage is also added to each object to accommodate metadata for managing the object which increases storage costs. You can reduce these costs by limiting the number of objects to transition (by prefix, tag, or version), or by aggregating objects before transitioning them. Learn more about [Glacier Flexible Retrieval \(formerly Glacier\) cost considerations](#) or review the table on [Requests and data retrievals tab on the Amazon S3 pricing page](#)

☒ I acknowledge that this lifecycle rule will incur a one-time lifecycle request cost per object if it transitions small objects.

- So finally S3 bucket with LIFE CYCLE MANAGEMENT is created.
- And will apply to all the data uploaded in the future.

[Amazon S3](#) > [Buckets](#) > [source2003](#) > Lifecycle configuration

Lifecycle configuration [Info](#)

To manage your objects so that they are stored cost effectively throughout their lifecycle, configure their lifecycle. A lifecycle configuration is a set of rules that define actions that Amazon S3 applies to a group of objects. Lifecycle rules run once per day.

Lifecycle rules (1)



[View details](#)

[Edit](#)

[Delete](#)

[Actions](#) ▼

[Create lifecycle rule](#)

Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. [Learn more](#)

< 1 > ⌂

	Lifecycle rule name ▼	Status ▼	Scope ▼	Current version actions ▼	Noncurrent versions ... ▼	Expired object delete ... ▼	Incomplete multipart... ▼
<input type="radio"/>	lifecycle	Enabled	Entire bucket	Transition to Standard-IA, ther	-	-	-

