



Discipline

Life Cycle Management

CS5002

Activity-8

Sheikh Muhammed Tadeeb (AU19B1014)

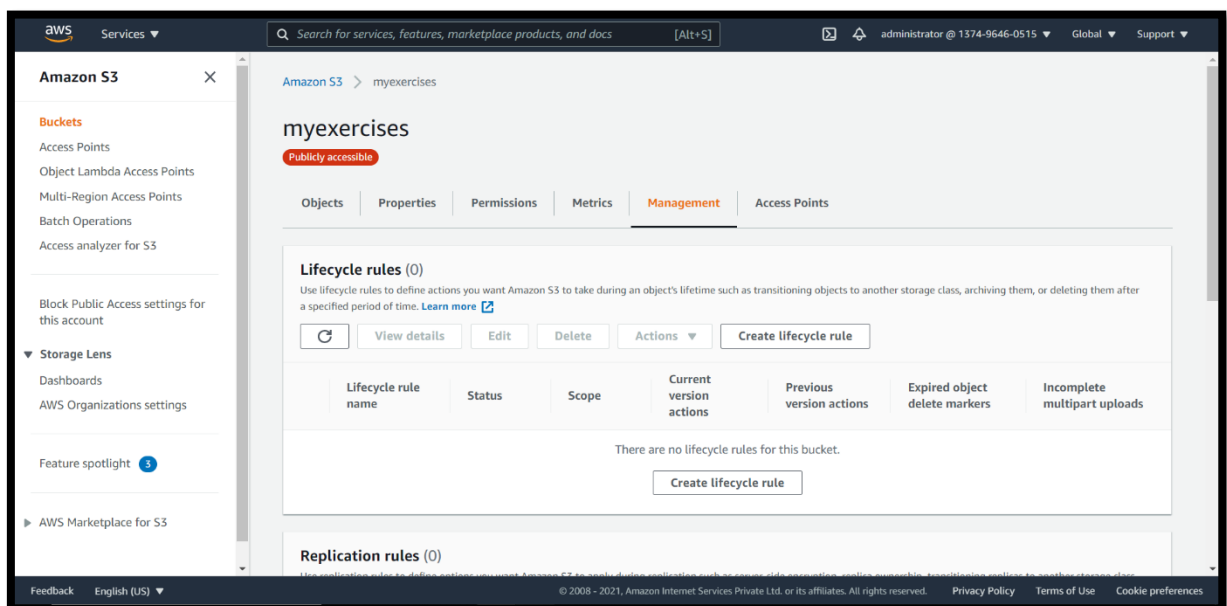
❖ Problem Statement:

Create a Life rule to Move current object to:

1. Standard OneZone after 35 days. Then move the object to Glacier after 95 and delete the current object after 150 days.
2. For Previous object move it to glacier after 100 days and delete the object after 195 days.

❖ Solution1)

Step 1) Open the bucket on which we need to create the lifecycle-rule. Then go **management panel** and click on **Create Lifecycle Rule**.



Step2) Give the name to the rule and apply it for the whole bucket and click on I acknowledge. Then select the rules for current version and specify them.

aws

Services

Search for services, features, marketplace products, and docs

[Alt+S]

administrator @ 1374-9646-0515

Global

Support

Amazon S3 > myexercises > Lifecycle configuration > Create lifecycle rule

Create lifecycle rule

Lifecycle rule configuration

Lifecycle rule name

Alfa-Rule

Up to 255 characters.

Choose a rule scope

☐ Limit the scope of this rule using one or more filters

☒ This rule applies to *all* objects in the bucket

⚠ This rule applies 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](#)

☒ Transition *current* versions of objects between storage classes

☐ Transition *previous* versions of objects between storage classes

☒ Expire *current* versions of objects

☐ Permanently delete *previous* versions of objects

☐ Delete expired delete markers or incomplete multipart uploads

When a lifecycle rule is scoped with tags, these actions are unavailable.

Transition current versions of objects between storage classes

| Storage class transitions | Days after object creation | |
|---------------------------|----------------------------|-------------------|
| One Zone-IA | 35 | Remove transition |
| Glacier | 95 | Remove transition |
| Add transition | | |

⚠ Transitioning small objects to Glacier or Glacier Deep Archive will incur a per object cost

You will be charged for each object you transition to S3 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 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.

Expire current versions of objects

For version-enabled buckets, Amazon S3 adds a delete marker and the current version of an object is retained as a previous version. For non-versioned buckets, Amazon S3 permanently removes the object. [Learn more](#)

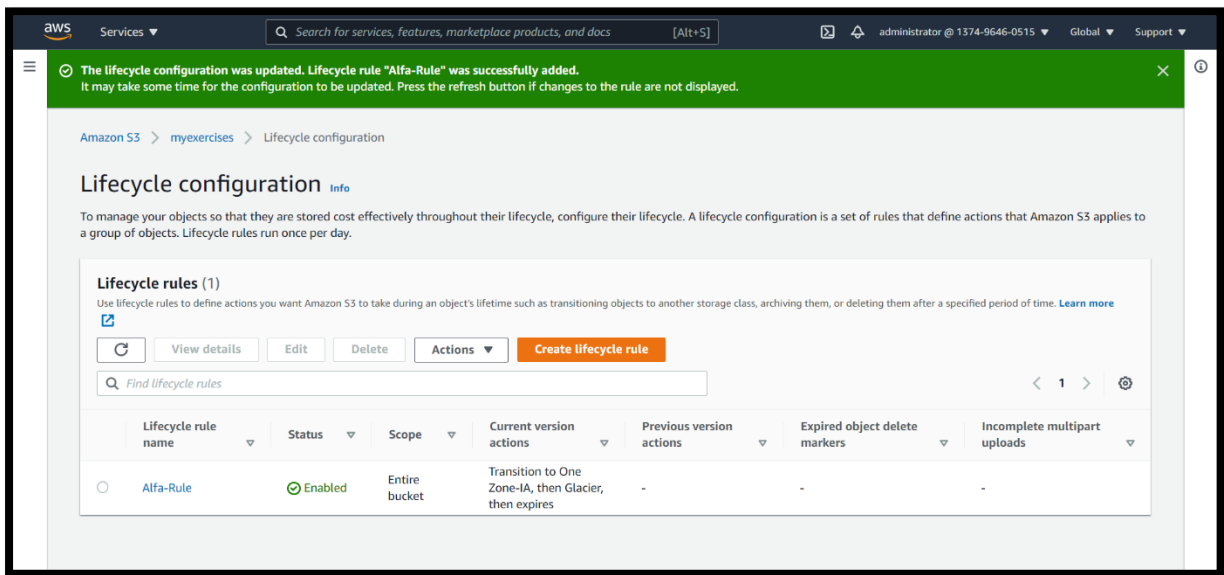
Number of days after object creation

150

Timeline summary

| Current version actions | Previous version actions |
|---|------------------------------------|
| Day 0 Objects uploaded | Day 0 Objects become noncurrent |
| ↓ | |
| Day 35 Objects transition to One Zone-IA | |
| ↓ | |
| Day 95 Objects transition to Glacier | |
| ↓ | |
| Day 150 Objects expire | |

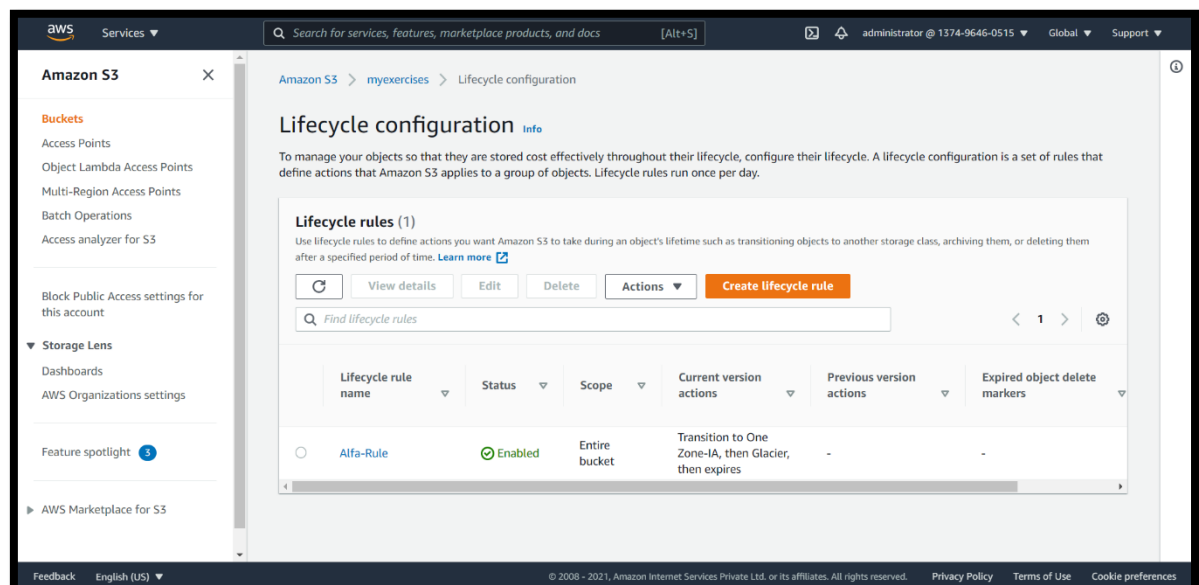
Cancel Create rule



Note: We can see that the rule is successfully created with name Alfa-Rule.

❖ Solution2)

Step 1) Open the bucket on which we need to create the lifecycle-rule. Then go **management panel** and click on **Create Lifecycle Rule**.



Step2) Give the name to the rule and apply it for the whole bucket and click on I acknowledge.

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Global

Support

Amazon S3 > myexercises > Lifecycle configuration > Create lifecycle rule

Create lifecycle rule

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

☒ This rule applies to *all* objects in the bucket

This rule applies 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](#)

☐ Transition *current* versions of objects between storage classes

☒ Transition *previous* versions of objects between storage classes

☐ Expire *current* versions of objects

☒ Permanently delete *previous* versions of objects

☐ Delete expired delete markers or incomplete multipart uploads

When a lifecycle rule is scoped with tags, these actions are unavailable.

Glacier

100

Remove transition

Add transition

Transitioning small objects to Glacier or Glacier Deep Archive will incur a per object cost

You will be charged for each object you transition to S3 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 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.

Permanently delete previous versions of objects

Number of days after objects become previous versions

Timeline summary

| Current version actions | Previous version actions |
|-------------------------|---------------------------------|
| Day 0 | Day 0 |
| Objects uploaded | Objects become noncurrent |
| | ↓ |
| | Day 100 |
| | Objects transition to Glacier |
| | ↓ |
| | Day 195 |
| | Objects are permanently deleted |

Cancel

Create rule

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Services

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Support

The lifecycle configuration was updated. Lifecycle rule "Gama-Rule" was successfully added.
It may take some time for the configuration to be updated. Press the refresh button if changes to the rule are not displayed.

Amazon S3 > myexercises > Lifecycle configuration

Lifecycle configuration

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 (2)

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](#)

Refresh

View details

Edit

Delete

Actions

Create lifecycle rule

Find lifecycle rules

< 1 >

| | Lifecycle rule name | Status | Scope | Current version actions | Previous version actions | Expired object delete markers | Incomplete multipart uploads |
|-----------------------|---------------------|---------|---------------|---|--|-------------------------------|------------------------------|
| <input type="radio"/> | Alfa-Rule | Enabled | Entire bucket | Transition to One Zone-IA, then Glacier, then expires | - | - | - |
| <input type="radio"/> | Gama-Rule | Enabled | Entire bucket | - | Transition to Glacier, then permanently delete | - | - |

Note: We can see that the rule is successfully created with name Gama-Rule.

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