

Module 5: S3 Assignment - 3

You have been asked to:

1. Now, make the same bucket to be Static website host and upload an index.html and error.html page
2. Also, add a lifecycle rule for the bucket:
 - a. Transition from Standard to Standard-IA in 60 days
 - b. Expiration in 200 days

1. Type S3 in search bar. Open S3 dashboard

2. Note that region changes to Global

The screenshot shows the AWS S3 console interface. At the top, the AWS logo and 'Services' link are visible. A search bar contains 'S3'. The left sidebar shows the 'Amazon S3' section with a 'Buckets' link highlighted. The main content area has a blue header with two informational messages: 'We're continuing to improve the S3 console...' and 'Follow security best practices for S3...'. Below this, there's an 'Account snapshot' section with a 'View Storage Lens dashboard' button. The 'Buckets (3)' section is active, showing a list of buckets. The table has columns for Name, AWS Region, Access, and Creation date. The buckets listed are 'elasticbeanstalk-us-west-2-098760042302', 'm4a4-s3-bucket', and 'm5a1-s3-bucket'. The 'm5a1-s3-bucket' is highlighted. The region is set to 'Global' in the top right corner.

Amazon S3

Account snapshot

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

View Storage Lens dashboard

Buckets (3) [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

Name	AWS Region	Access	Creation date
elasticbeanstalk-us-west-2-098760042302	US West (Oregon) us-west-2	Objects can be public	May 13, 2015, 10:40:28 (UTC+05:30)
m4a4-s3-bucket	US East (N. Virginia) us-east-1	Error	December 31, 2021, 17:51:15 (UTC+05:30)
m5a1-s3-bucket	US East (N. Virginia) us-east-1	Bucket and objects not public	January 1, 2022, 20:03:18 (UTC+05:30)

3. Select m5a1-s3-bucket

Objects (5)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them

Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

☐ Show versions

<input type="checkbox"/>	Name	Type	Last modified
<input type="checkbox"/>	5_elb_instances.png	png	January 1, 2022, 20:28:37 (UTC+05:30)
<input type="checkbox"/>	7_load_balancers.png	png	January 1, 2022, 20:28:39 (UTC+05:30)
<input type="checkbox"/>	error.html		January 1, 2022, 22:15:08 (UTC+05:30)
<input type="checkbox"/>	index.html		January 1, 2022, 22:15:09 (UTC+05:30)
<input type="checkbox"/>	module_5_assignment_2_s3.pptx	pptx	January 1, 2022, 21:45:58 (UTC+05:30)

4. Upload index.html and error.html

m5a1-s3-bucket

5. Select bucket --> Management

[Objects](#) [Properties](#) [Permissions](#) [Metrics](#) [Management](#) [Access Points](#)

Lifecycle rules (0)

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions actions	Expired object delete markers	Incomplete multipart uploads
No lifecycle rules						
There are no lifecycle rules for this bucket.						

6. Select lifecycle role

Create lifecycle rule

Lifecycle rule configuration

Lifecycle rule name

m3a3_lifecycle_rule_1

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.

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

Standard-IA

Days after object creation

00

Remove

Add transition

Review transition and expiration actions

Current version actions

Day 0

- Objects uploaded



Day 60

- Objects move to Standard-IA

Noncurrent versions actions

Day 0

No actions defined.

Cancel

Create rule

7. Give a name

8. Apply to all objects

9. Choose first option

10. Choose Standard-IA

11. Review and adjust

12. Create rule

13. Verify rule created

Amazon S3 > m5a1-s3-bucket > 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)

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 or deleting objects.



View details

Edit

Delete

Actions ▼

Create lifecycle rule

Find lifecycle rules by name

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Lifecycle rule name

Status

Noncurrent v



m5a3_lifecycle_rule_1

Enabled

Entire bucket

Transition to Standard-IA

-

14. Create a new rule.
Steps wil be similar to 7..12
Select expiration days to be 200

Lifecycle rule configuration


Lifecycle rule name

m5a3_lifecycle_rule_2

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.

 You must check this checkbox to apply this rule to all objects in the bucket.

15. Give a name

16. Apply to all objects

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.

17. Choose 3rd option

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 noncurrent version. For non-versioned buckets, Amazon S3 permanently removes the object. [Learn more](#)

Days after object creation

200

18. Choose 200 days

Review transition and expiration actions

Current version actions

Day 0

• Objects uploaded



Day 200

• Objects expire

Noncurrent versions actions

Day 0

No actions defined.

19. Review and adjust

20. Create rule

Cancel

Save

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 (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](#)

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View details

Edit

Delete

Actions ▼

Create lifecycle rule

🔍 Find lifecycle rules by name

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	Lifecycle rule name ▼	Status ▼	Scope ▼	Current version actions ▼	Noncurrent versions actions ▼	Expi
<input type="radio"/>	m5a3_lifecycle_rule_1	✔️ Enabled	Entire bucket	Transition to Standard-IA	-	-
<input type="radio"/>	m5a3_lifecycle_rule_2	✔️ Enabled	Entire bucket	Expires	-	-

21. Verify both lifecycle rules are visible in S3 bucket