

1. Configure Lifecycle Rule for Photos S3 Bucket

The screenshot displays the AWS Management Console interface for configuring a lifecycle rule. The top navigation bar shows the AWS logo, a search bar, and the user's account information (pluralsight-141307a1 @ 4523-1748-2530). The left sidebar contains the 'Amazon S3' menu with options like Buckets, Access Points, and Storage Lens. The main content area shows the 'company-photos-20220628155411193100000002' bucket. The 'Objects (6)' tab is selected, showing a list of objects. One object, 'christmas2019.jpg', is visible with details like 'jpg' type, 'June 28, 2022, 21:24:15' last modified, '1.5 KB' size, and 'Standard' storage class. Below the object list, the 'Lifecycle configuration' section is shown, titled 'Create lifecycle rule'. It includes a text input for 'Lifecycle rule name' with the value 'transfer-all-objects-to-low-class'. Under 'Choose a rule scope', the option 'Apply to all objects in the bucket' is selected. A warning message states: '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'. A checkbox 'I acknowledge that this rule will apply to all objects in the bucket.' is checked. The bottom of the console shows a 'Feedback' link and the footer text '© 2022, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences'.

Amazon S3 > Buckets > company-photos-20220628155411193100000002

company-photos-20220628155411193100000002 Info

Objects (6)

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 permissions. [Learn more](#)

Create folder Upload

Find objects by prefix Show versions

	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	christmas2019.jpg	jpg	June 28, 2022, 21:24:15 (UTC-05:30)	1.5 KB	Standard

Amazon S3 > Buckets > company-photos-20220628155411193100000002 > Lifecycle configuration > Create lifecycle rule

Create lifecycle rule

Lifecycle rule configuration

Lifecycle rule name

transfer-all-objects-to-low-class

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.

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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

Days after object creation

Standard-IA	30	Remove
Glacier Flexible Retrieval (formerly...)	90	Remove

Add transition

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🔔

The lifecycle configuration was updated. Lifecycle rule "transfer-all-objects-to-low-class" 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.

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, archiving them, or deleting them after a specified period of time. [Learn more](#)

🔄

View details

Edit

Delete

Actions

Create lifecycle rule

🔍 Find lifecycle rules by name

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions actions	Expired object delete markers	Incomplete multipart uploads
<input type="radio"/> transfer-all-objects-to-low-class	Enabled	Entire bucket	Transition to Standard-IA, then Glacier Flexible Retrieval (formerly Glacier)	-	-	-

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2. Tag Objects and Configure Lifecycle Rule for Automation Logs

s3.console.aws.amazon.com/s3/buckets/company-documents-20220628155411192900000001?region=us-west-2&tab=objects

Amazon S3

Buckets

- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- Access analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- AWS Organizations settings

Feature spotlight 3

company-documents-20220628155411192900000001

Objects Properties Permissions Metrics Management Access Points

Objects (11)

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 permissions. [Learn more](#)

[Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#)

[Create folder](#) [Upload](#)

☐ Show versions < 1 > ⚙

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	2345982744578927567.log	log	June 28, 2022, 21:24:14 (UTC+05:30)	4.0 B	Standard

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s3.console.aws.amazon.com/s3/buckets/company-documents-20220628155411192900000001/object/edit/tags?region=us-west-2&showversions=fa...

Amazon S3

Buckets

company-documents-20220628155411192900000001

Edit tags

Edit tags

To enable replication of object tags, IAM policies used for Replication must be updated if they were created before object tags were introduced.

Tags

Track storage cost or other criteria by tagging your objects. [Learn more](#)

Key Value - optional

Automation true [Remove](#)

[Add tag](#)

Specified objects

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☑️ Successfully edited tags
View details below.

✕ ⓘ

Edit tags: status [Info](#) Close

ⓘ The information below will no longer be available after you navigate away from this page.

Summary

Source s3://company-documents-2022062815541119290000000001	Successfully edited ✔️ 1 object, 4.0 B	Failed to edit 0 objects
---	---	-----------------------------

Failed to edit Configuration

⊗ Failed to edit (0)

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Amazon S3 > Buckets > company-documents-2022062815541119290000000001 > 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

☒ 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.

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s3.console.aws.amazon.com/s3/management/company-documents-20220628155411192900000001/lifecycle?region=us-west-2

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The lifecycle configuration was updated. Lifecycle rule "delete-automation-logs" 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 > Buckets > company-documents-20220628155411192900000001 > 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, 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 by name

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions actions	Expired object delete markers	Incomplete multipart uploads
delete-	Enabled	Entire	Transition to			

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3. Configure Lifecycle Rule for Versioned Files

s3.console.aws.amazon.com/s3/management/company-documents-20220628155411192900000001/lifecycle/create?region=us-west-2

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Amazon S3 > Buckets > company-documents-20220628155411192900000001 > Lifecycle configuration > Create lifecycle rule

Create lifecycle rule

Lifecycle rule configuration

Lifecycle rule name

delete-versioned-reports

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

Filter type

You can filter objects by prefix, object tags, object size, or whatever combination suits your usecase.

Prefix

Add filter to limit the scope of this rule to a single prefix.

work-project-

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Lifecycle rule actions

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- ☐ 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.

Permanently delete noncurrent versions of objects

Choose when Amazon S3 permanently deletes specified noncurrent versions of objects. [Learn more](#)

Days after objects become noncurrent

30

Number of newer versions to retain - Optional

Number of versions

Can be up to 100 versions. All other noncurrent versions will be moved.

Review transition and expiration actions

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The lifecycle configuration was updated. Lifecycle rule "delete-versioned-reports" 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 > Buckets > company-documents-20220628155411192900000001 > 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 (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](#)

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	Expired object delete markers	Incomplete multipart uploads
delete-	Enabled	Entire	Transition to			

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