

Lesson 04 Demo 03

Configuring S3 Intelligent-Tiering Archive

Objective: To set up an S3 Intelligent-Tiering Archive configuration to optimize storage costs by automatically transitioning objects to cost-effective access tiers based on changing access patterns

Tools required: None

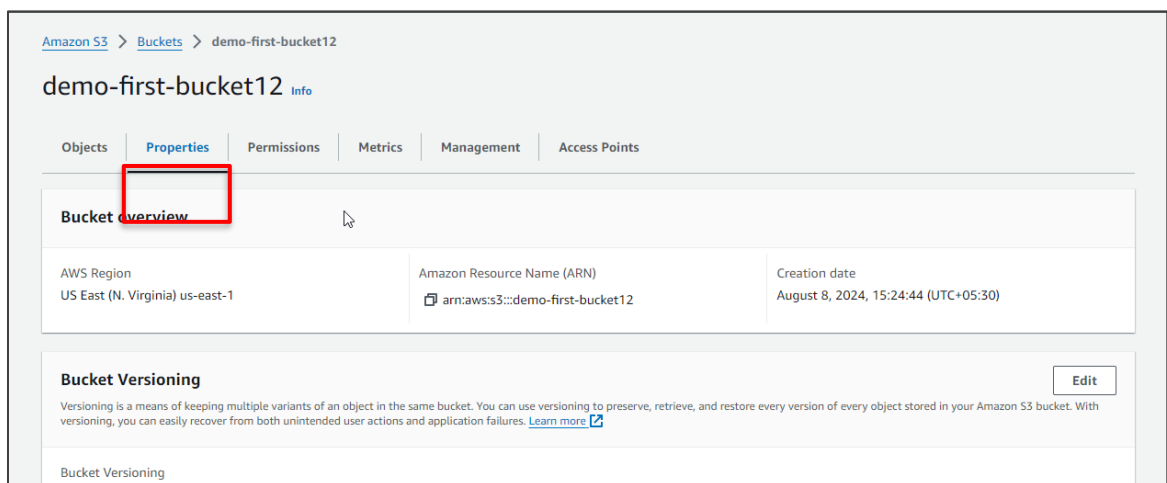
Prerequisites: AWS account with an S3 bucket created

Steps to be followed:

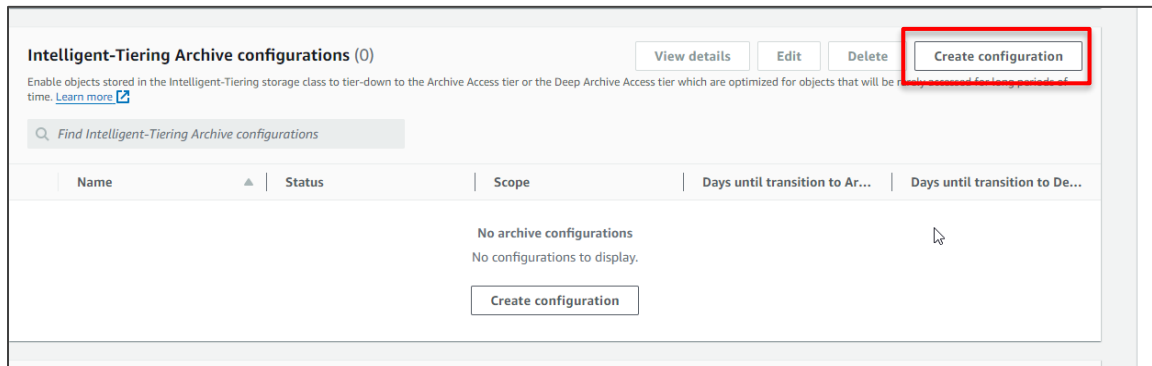
1. Create a new Intelligent-Tiering Archive configuration

Step 1: Create a new Intelligent-Tiering Archive configuration

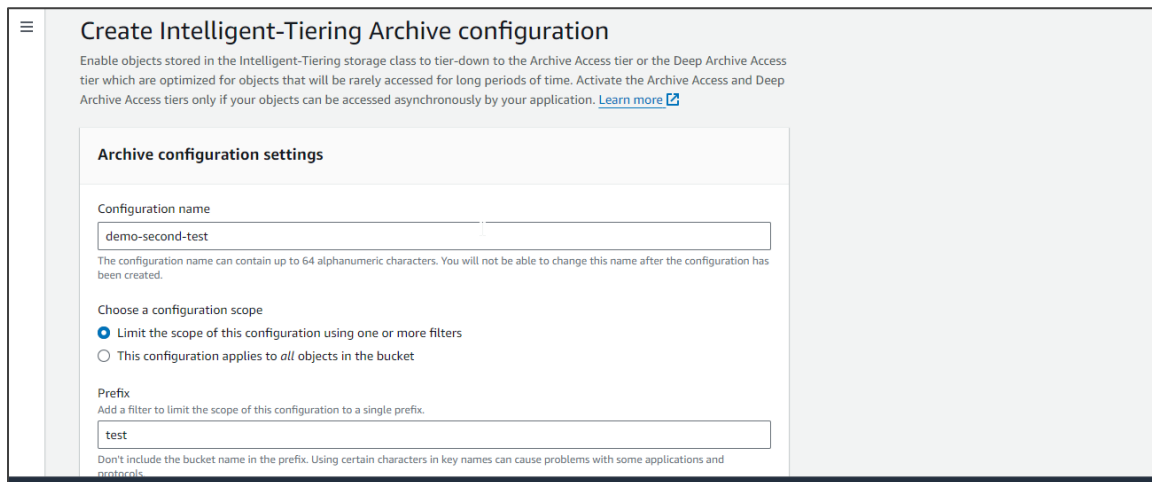
1.1 Navigate to the **Properties** tab of an existing S3 bucket



1.2 In the Intelligent-Tiering Archive configurations section, click **Create configuration**



1.3 Navigate to the **Archive configuration settings**, enter a name in the **Configuration name** field, and select **Limit the scope of this configuration using one or more filters** under **Choose a configuration scope** Add **test** under the **Prefix** field, and select **Enable** under **Status**



The configuration name can contain up to 64 alphanumeric characters. You will not be able to change this name after the configuration has been created.

Choose a configuration scope

☒ Limit the scope of this configuration using one or more filters

☐ This configuration applies to *all* objects in the bucket

Prefix

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

test

Don't include the bucket name in the prefix. Using certain characters in key names can cause problems with some applications and protocols.

Object tags

You can limit the scope of this rule to the key value pairs added below.

Add tag

Status

Choose whether the configuration will be enabled or disabled.

☐ Disable

☒ Enable

1.4 Under **Archive rule actions**, choose the **Archive Access tier** and enter a number greater than 90 in the **Days until transition to the Archive Access tier** field

Archive rule actions

Intelligent-Tiering can tier down objects to the Archive Access tier, the Deep Archive Access tier, or both. The number of days until transition to the selected tiers can be extended up to a total of 2 years. [Learn more](#)

☒ Archive Access tier

When enabled, Intelligent-Tiering will automatically move objects that haven't been accessed for a minimum of 90 days to the Archive Access tier.

Days until transition to the Archive Access tier

The number of consecutive days without access before tiering down to the Archive Access tier.

100

Whole number greater than or equal to 90 and up to 730 days. When both are selected, the Deep Archive Access tier value must be larger than the Archive Access tier value.

Info Only activate the Archive Access tier for 90 days if you want to bypass the Archive Instant Access tier. The Archive Access tier delivers 10% lower storage cost with minute to hour retrieval times, whereas the Archive Instant Access tier delivers the same milliseconds access times as the Frequent and Infrequent Access tiers. Learn more about the [S3 Intelligent-Tiering access tiers](#)

1.5 Click on **Create** to save the changes

Info Only activate the Archive Access tier for 90 days if you want to bypass the Archive Instant Access tier. The Archive Access tier delivers 10% lower storage cost with minute to hour retrieval times, whereas the Archive Instant Access tier delivers the same milliseconds access times as the Frequent and Infrequent Access tiers. Learn more about the [S3 Intelligent-Tiering access tiers](#)

☐ Deep Archive Access tier

When enabled, Intelligent-Tiering will automatically move objects that haven't been accessed for a minimum of 180 days to the Deep Archive Access tier.

Warning **Retrieval time compatibility**

To access objects that have moved to the Intelligent-Tiering Archive Access tier, you must restore them back to the Frequent Access tier which can take up to 5 hours from the Archive Access tier, and 12 hours from the Deep Archive Access tier. Ensure that this retrieval time is compatible with your application.

Cancel Create

Successfully created Intelligent-Tiering archive configuration "demo-second-test"

You can create an inventory configuration to get regular reports on the Access tier of objects stored in Intelligent-Tiering. [Learn more](#)

[Create inventory configuration](#)

[Amazon S3](#) > [Buckets](#) > [demo-first-bucket12](#) > Intelligent-Tiering Archive configurations

Intelligent-Tiering Archive configurations (1)

[View details](#)
[Edit](#)
[Delete](#)
[Create configuration](#)

Enable objects stored in the Intelligent-Tiering storage class to tier-down to the Archive Access tier or the Deep Archive Access tier which are optimized for objects that will be rarely accessed for long periods of time. [Learn more](#)

< 1 >

	Name	Status	Scope	Days until transition to ...	Days until transition to ...
<input type="radio"/>	demo-second-test	Enabled	Prefix: test	100	-

Intelligent-Tiering Archive configurations have been created successfully.

By following these steps, you have configured your system to automatically transition objects to a cost-effective access tier based on their access patterns, especially when they remain infrequently accessed for extended periods. This feature can lead to significant savings and improved data lifecycle management in the S3 environment.