

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

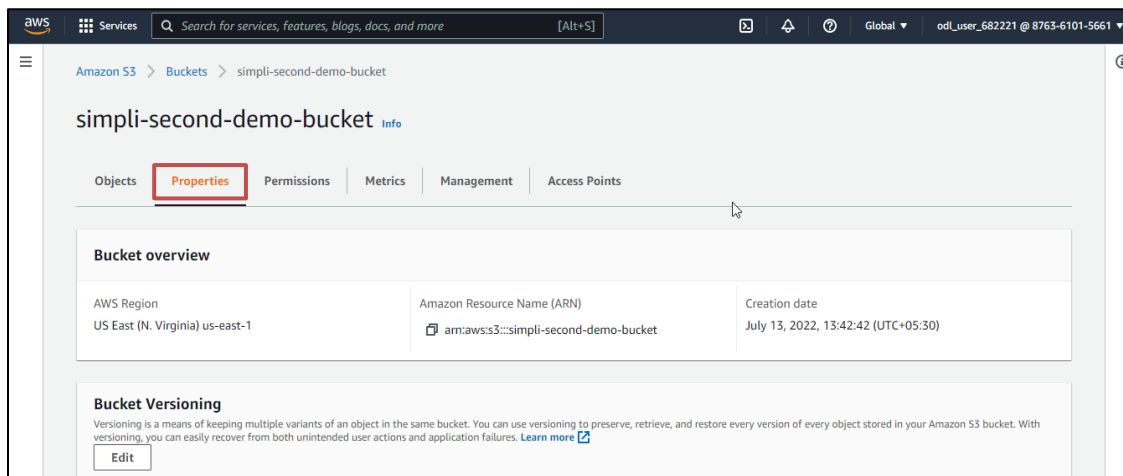
Prerequisites: AWS account with an S3 bucket created

Steps to be followed:

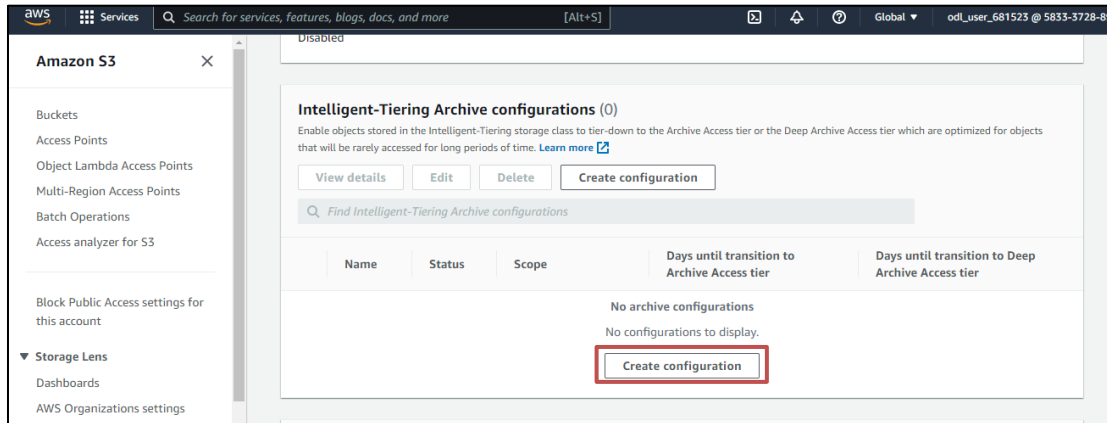
1. Create a new Intelligent-Tiering Archive configuration

Step 1: Create a new Intelligent-Tiering Archive configuration

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

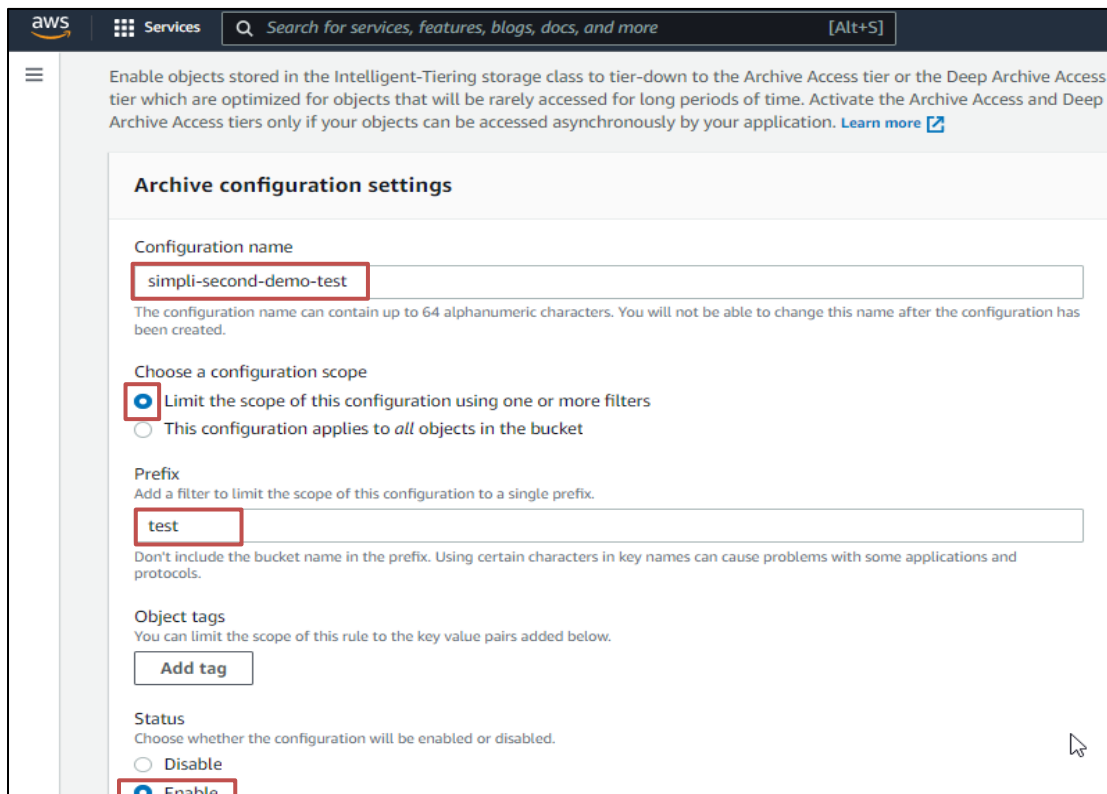


1.2 Under the **Intelligent-Tiering Archive configurations** section, click on **Create configuration**



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**



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

Status
Choose whether the configuration will be enabled or disabled.

☐ Disable

☒ Enable

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.

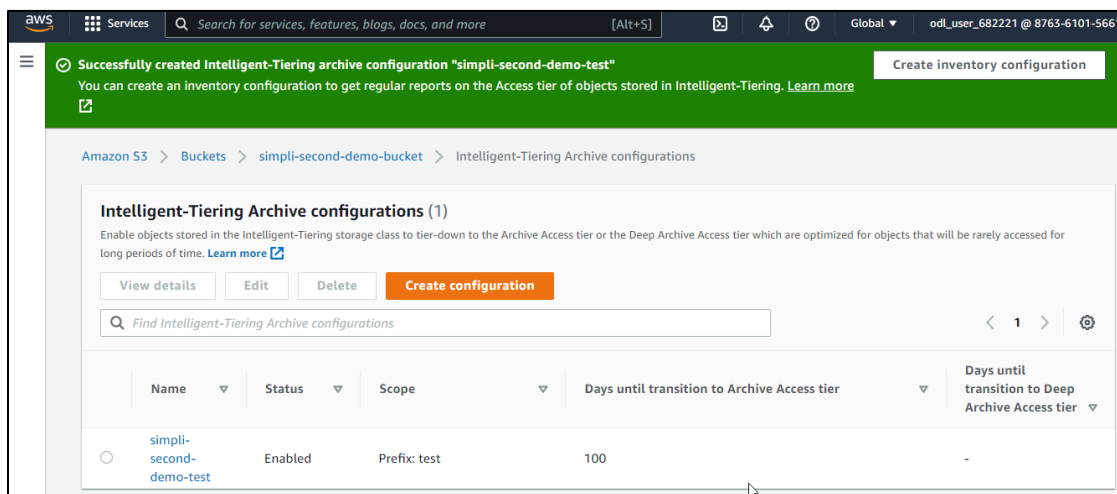
Only activate the Archive Access tier for 90 days if you want to bypass the Archive Instant Access tier. The Archive Access tier delivers 10% lower storage cost with minute to hour retrieval times, whereas the Archive Instant Access tier delivers the same milliseconds access times as the Frequent and 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.

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

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**



Intelligent-Tiering Archive configurations are created successfully.

This configuration ensures that objects are automatically transitioned to a cost-effective access tier based on their access patterns, especially when they remain infrequently accessed for extended periods. Leveraging this feature can lead to significant savings and better data lifecycle management in the S3 environment.