Lesson 04 Demo 08

Creating and Deleting Keys with Amazon KMS

Objectives: To create and delete customer-managed keys using Amazon KMS

Tools required: None

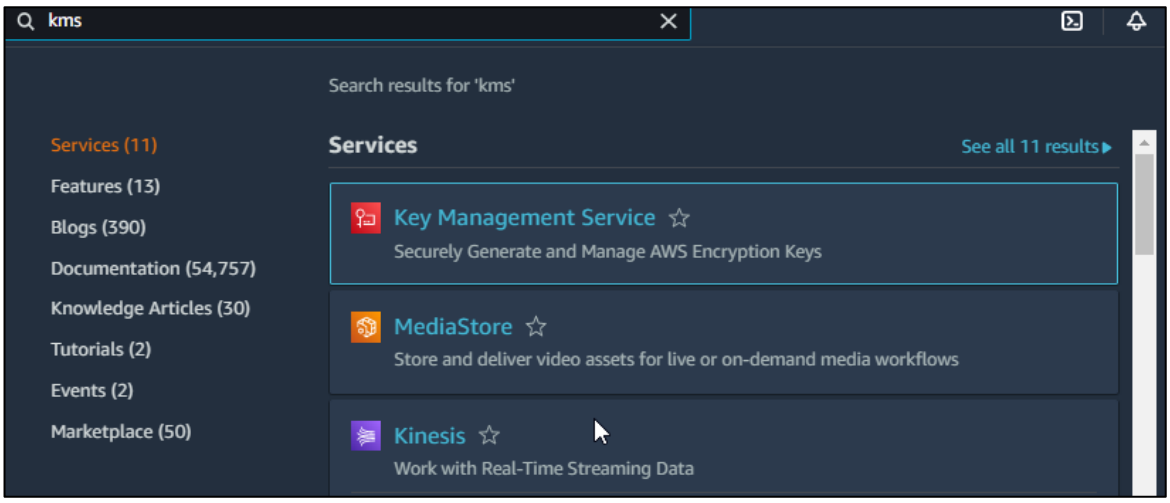
Prerequisites: AWS account with an S3 bucket created

Steps to be followed:

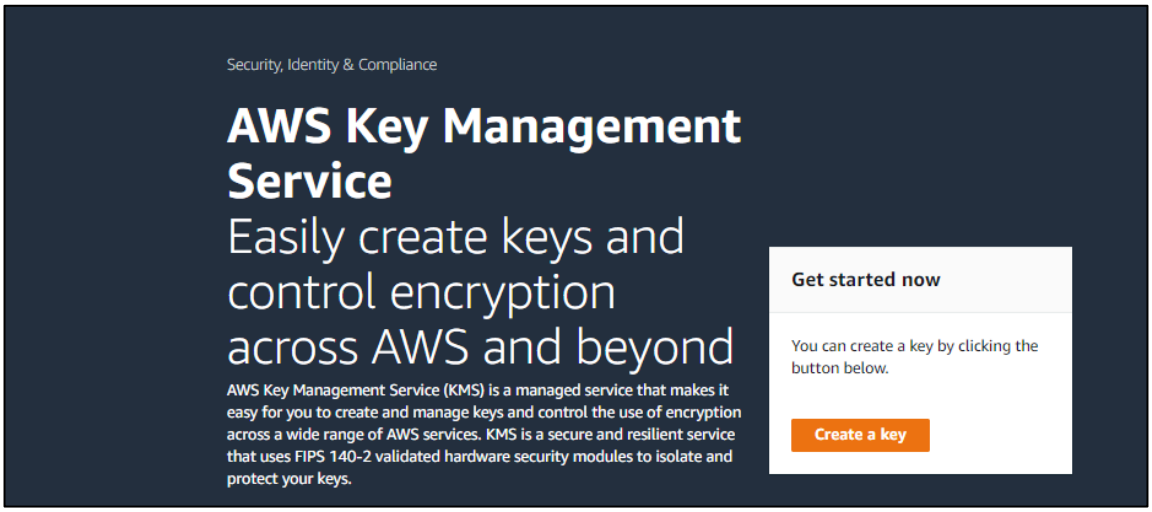
1. Create a customer-managed key
2. Delete a customer-managed key

Step 1: Create a customer-managed key

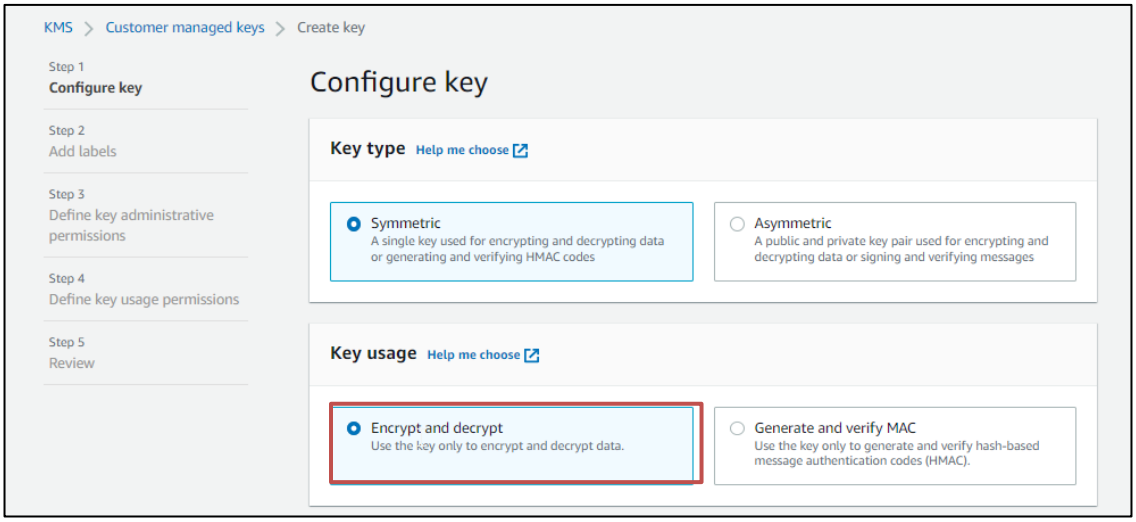
1.1 Access the AWS Management Console homepage, search for **Key Management Service**, and select it



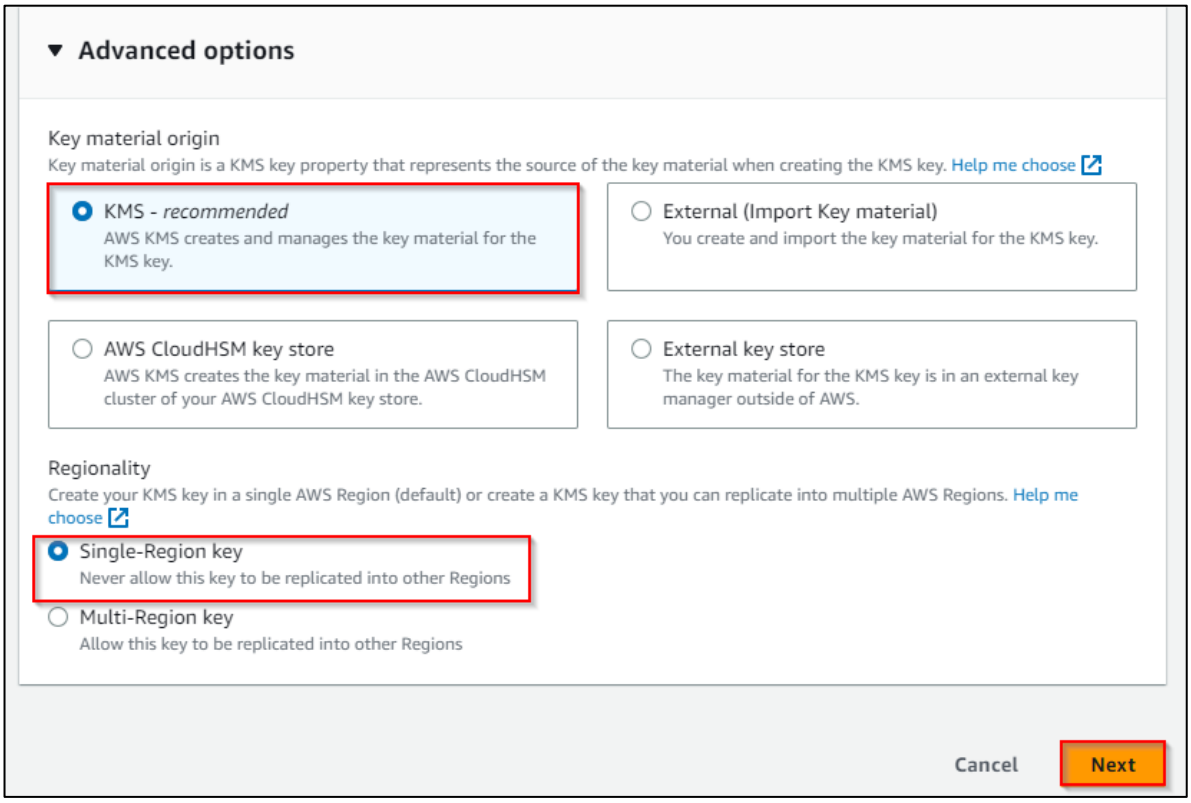
1.2 Click on **Create a key**



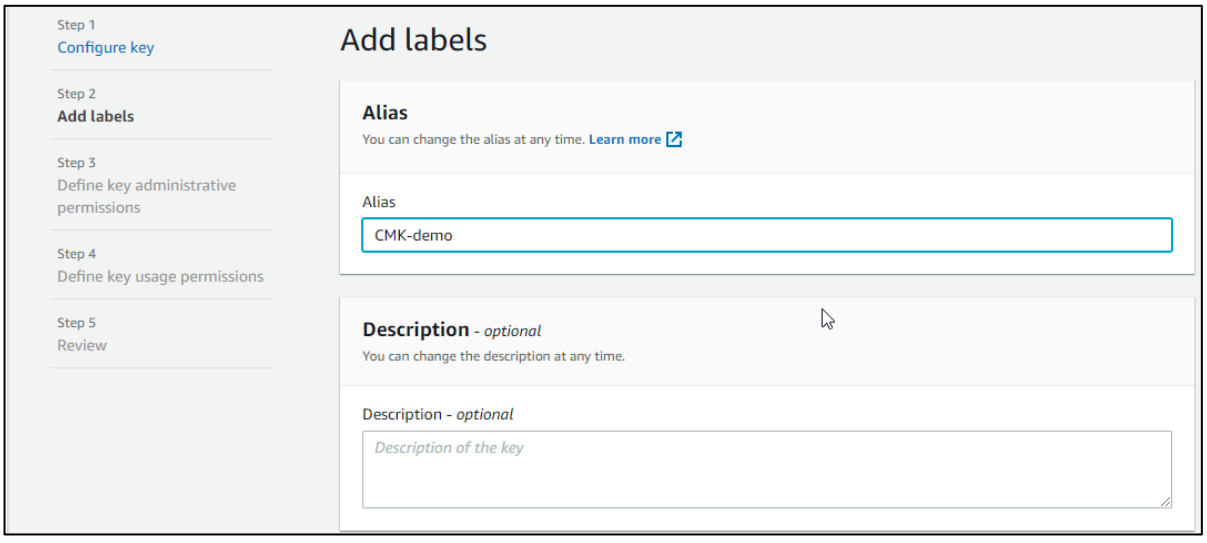
1.3 Configure the key using default settings, and proceed to the next step



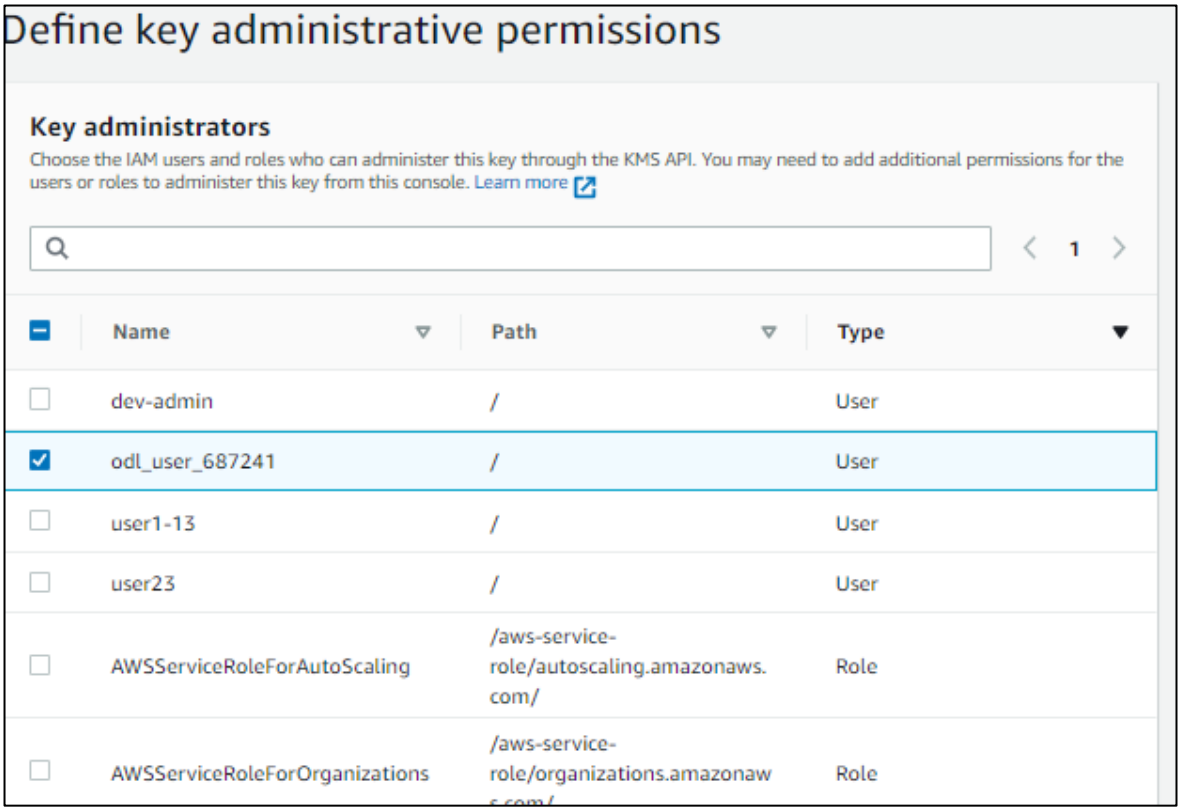
1.4 Choose **KMS** for Key material origin and **Single-Region key** for Regionality, and click on **Next**



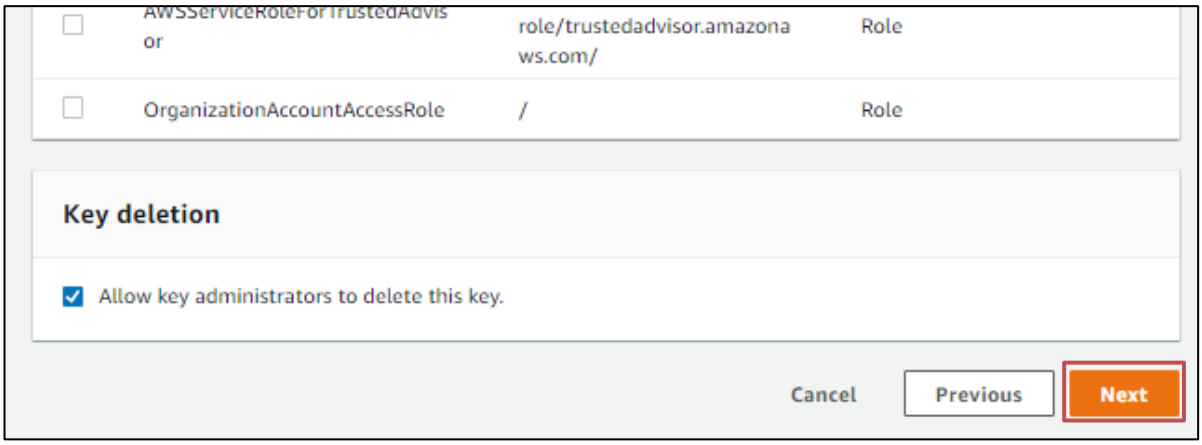
1.5 Enter **CMK-demo** as the **Alias** name



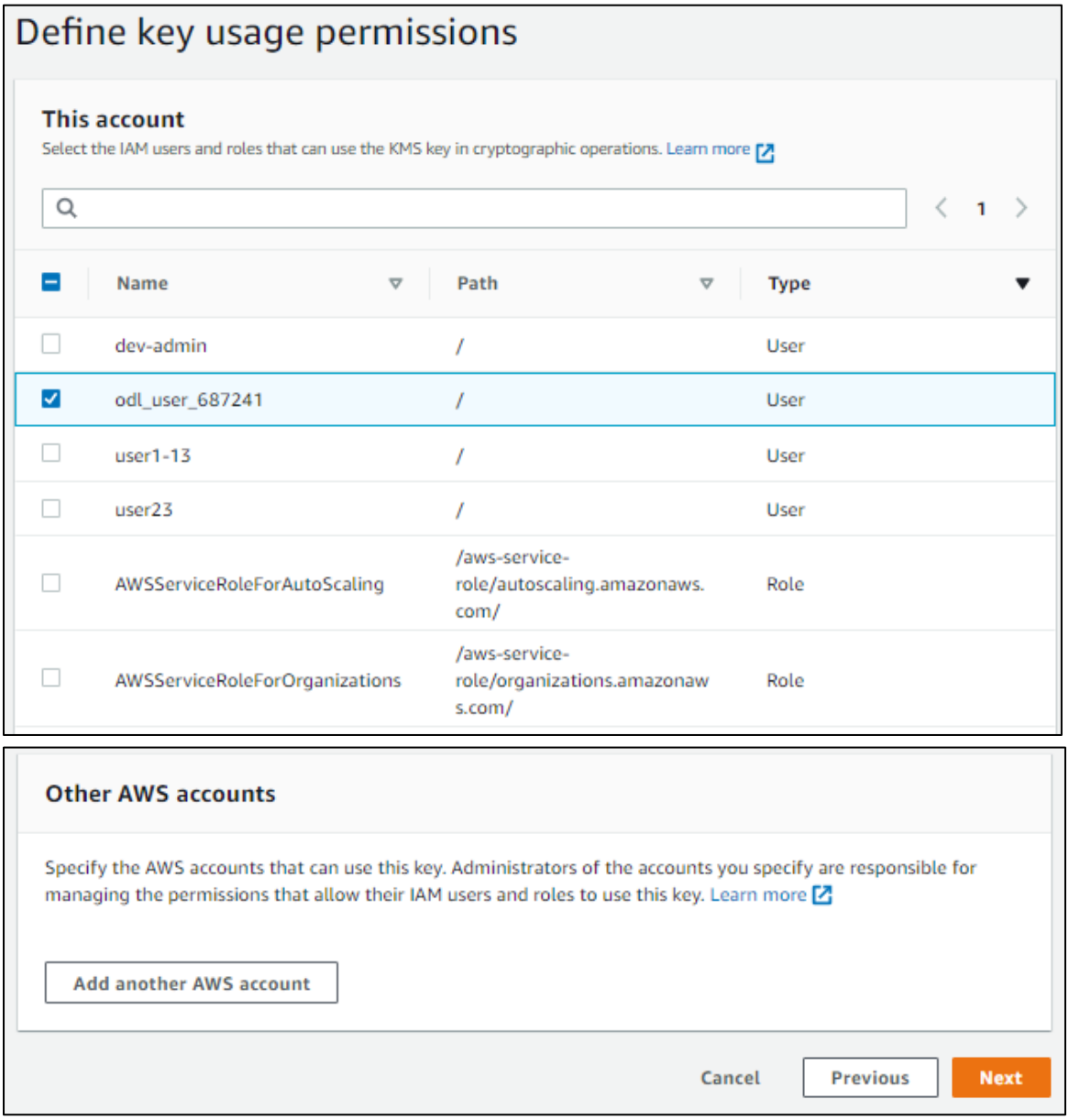
1.6 Select the username associated with your AWS Lab as **Key administrators**



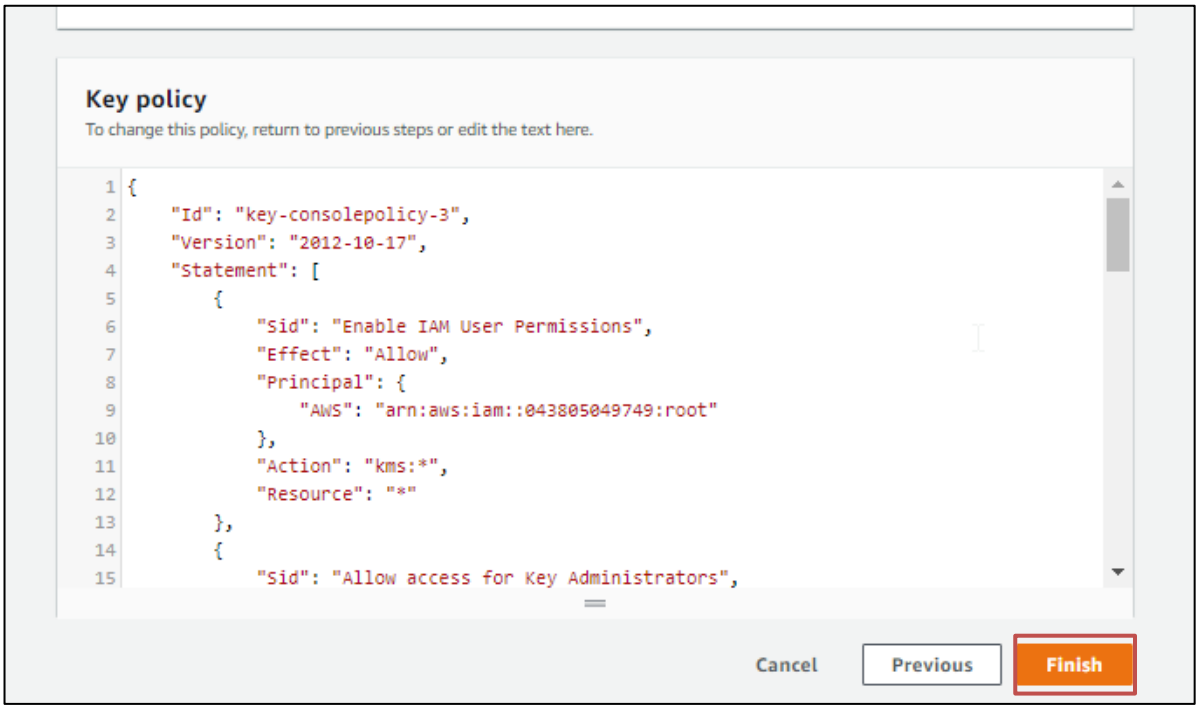
1.7 Check **Allow key administrators to delete this key** and click **Next**

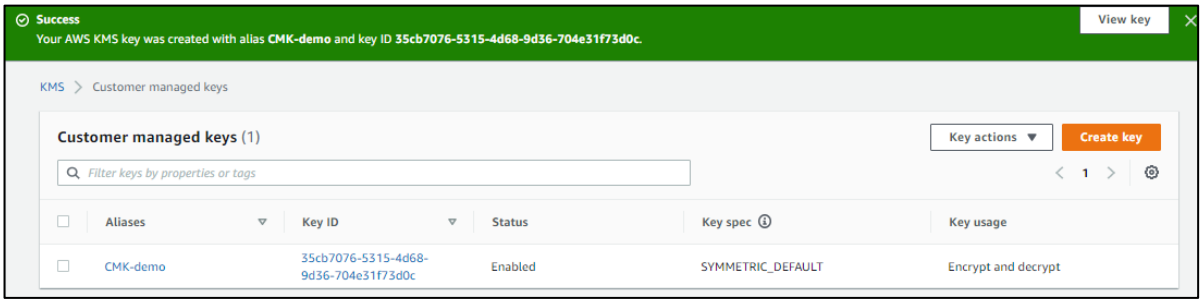


1.8 Under **Define key usage permissions**, select the username of your AWS Lab, and click on **Next**



1.9 Scroll down to the **Key policy** tab, and click on **Finish**

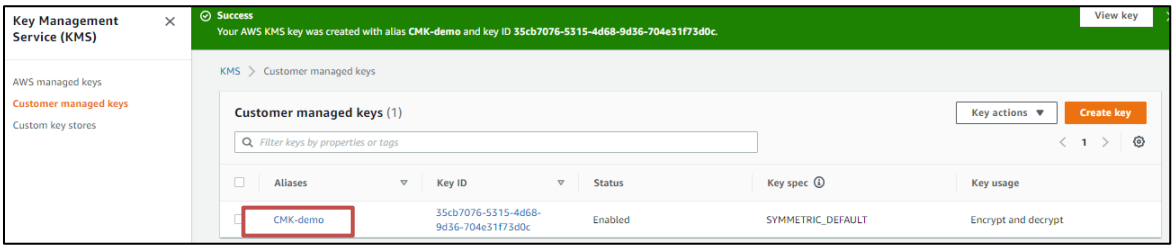




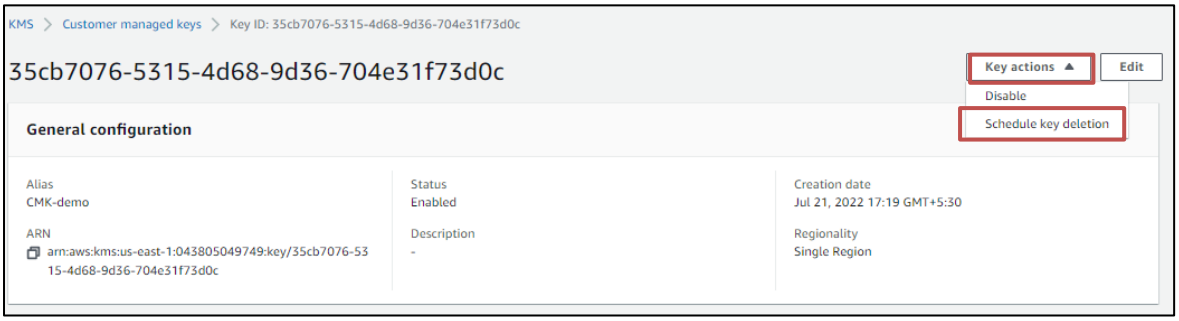
The KMS key has been successfully created.

Step 2: Delete a customer-managed key

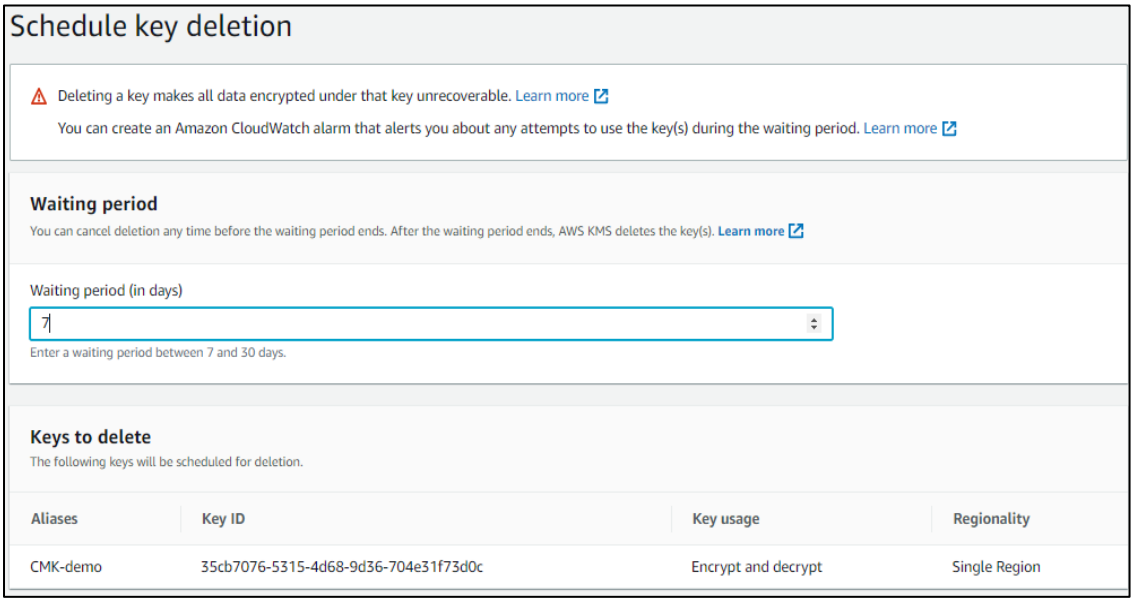
2.1 Navigate to **Customer managed keys** and click on the created key



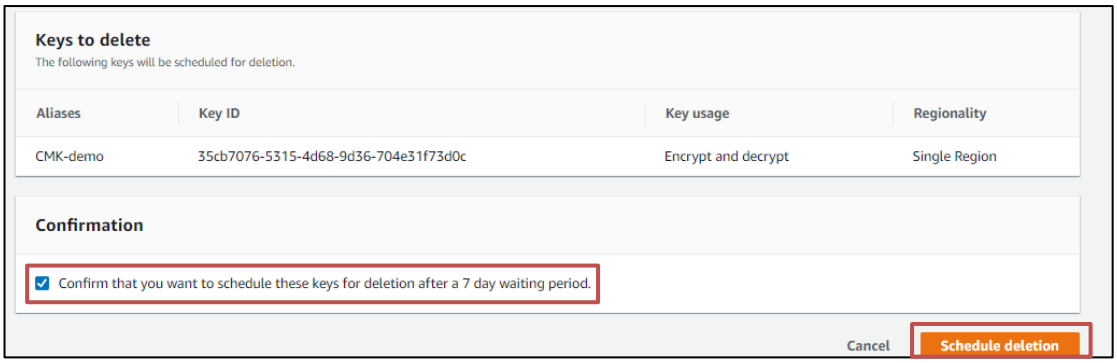
2.2 Under **Key actions**, select **Schedule key deletion**

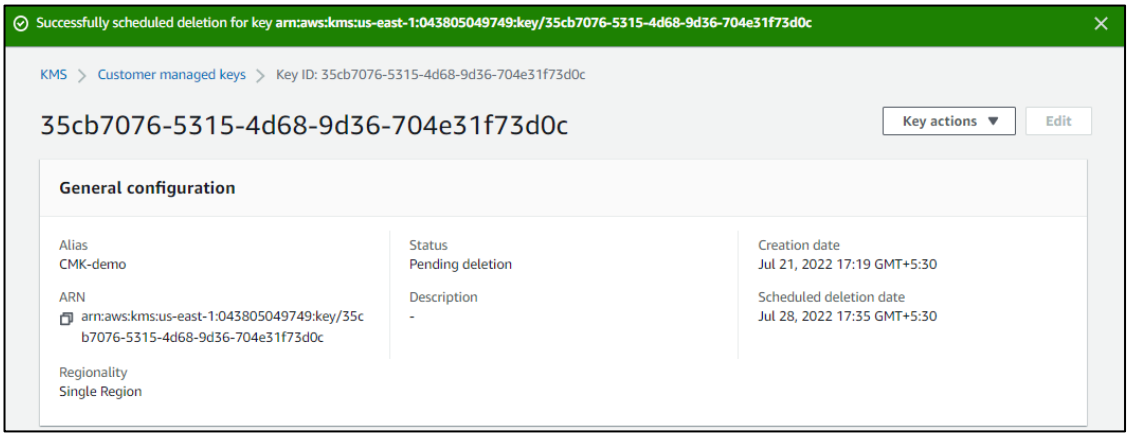


2.3 Under **Schedule key deletion**, add a number between **7** and **30** for the waiting period



2.4 Confirm the deletion, and click on **Schedule deletion**





The key has been scheduled for deletion successfully.

Note: The key will be deleted after 7 days.

By following these steps, you have gained the ability to confidently manage cryptographic keys, ensuring robust security practices in your AWS environment.