

Lesson 04 Demo 08

Creating and Deleting Keys with Amazon KMS

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

access to your encrypted data

Tools required: None

Prerequisites: AWS account with an S3 bucket created

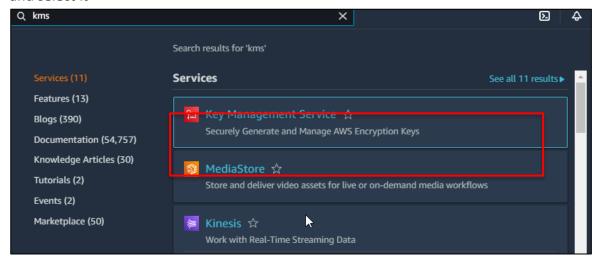
Steps to be followed:

1. Create a customer-managed key

2. Delete a customer-managed key

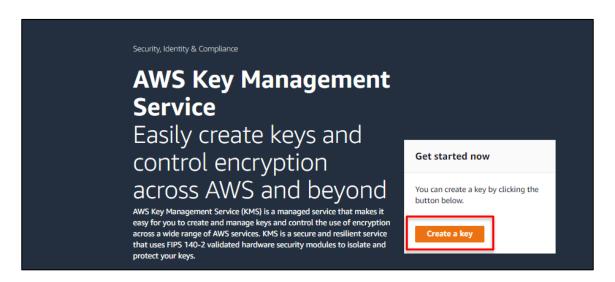
Step 1: Create a customer-managed key

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

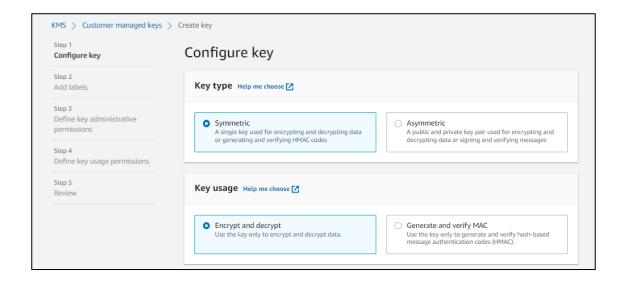




1.2 Click on Create a key

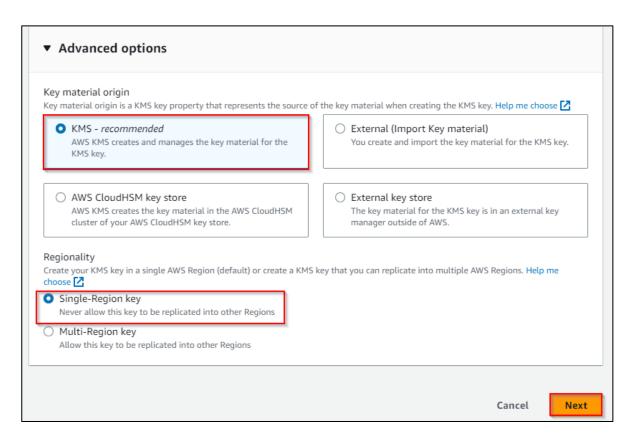


1.3 Configure the key using default settings and proceed to the next step

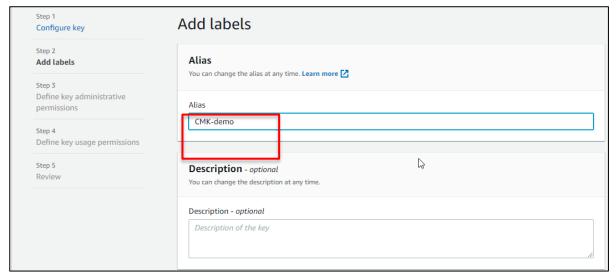




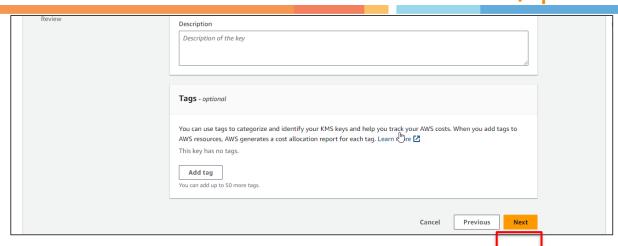
1.4 Click on Advanced options, select **KMS** - **recommended** for Key material origin, choose **Single-Region key** for Regionality, and then click **Next**



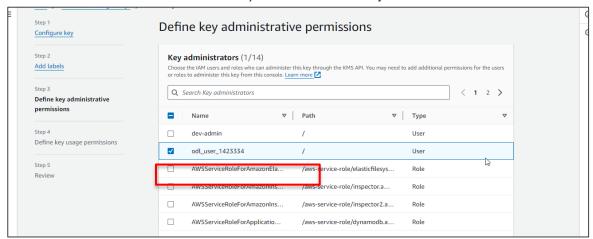
1.5 Enter CMK-demo as the Alias name and click on Next



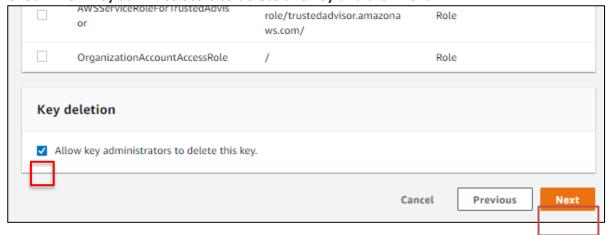




1.6 Select the username associated with your AWS Lab as **Key administrators**

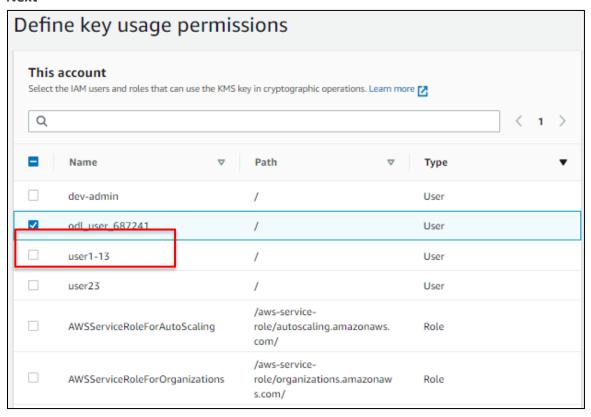


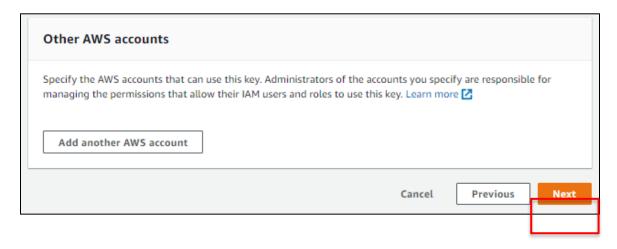
1.7 Check Allow key administrators to delete this key and click Next





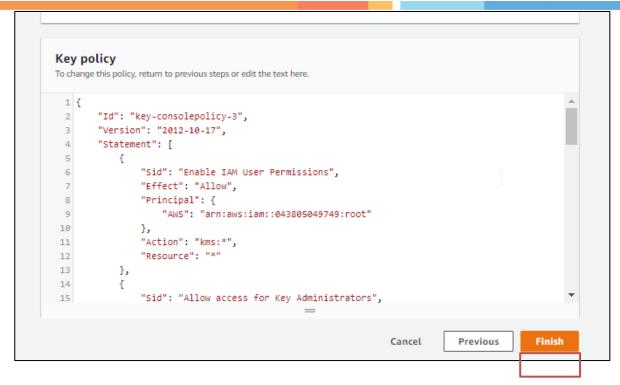
1.8 Under **Define key usage permissions**, select the username of your AWS Lab and click **Next**

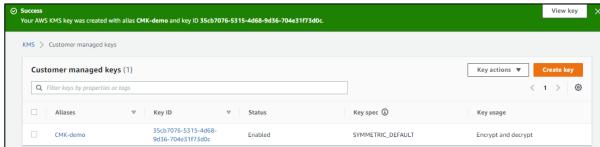




1.9 Scroll down to the Key policy tab and click Finish



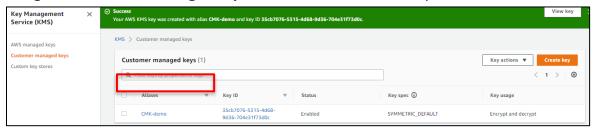




The KMS key has been successfully created.



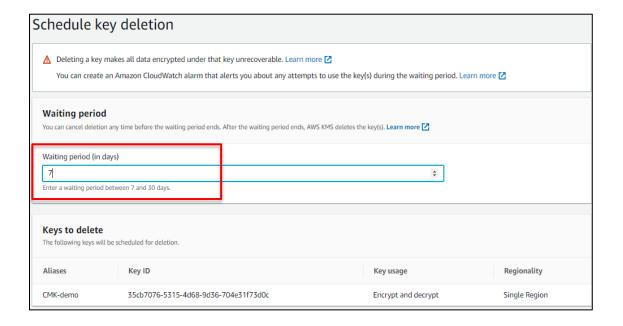
2.1 Navigate to Customer managed keys and click on the created key



2.2 Under Key actions, select Schedule key deletion

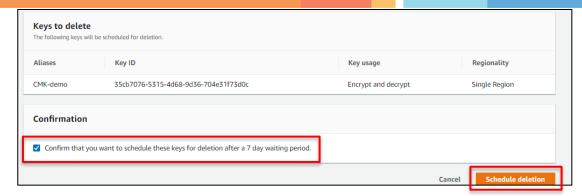


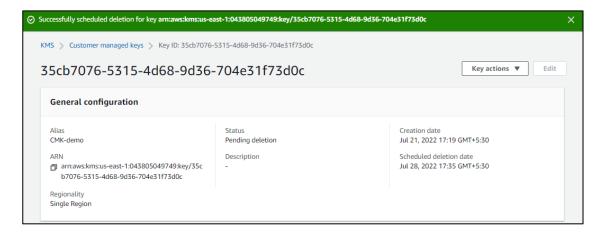
2.3 Under Schedule key deletion, add a number between 7 and 30 for the Waiting period



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







The key has been successfully scheduled for deletion.

Note: The key will be deleted after seven days.

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