Lesson 09 Demo 07

Adding Deletion Policy to Protect Resources

Objective: To add a deletion policy for protecting specific AWS S3 bucket resources in a CloudFormation stack

Tools required: AWS Management Console

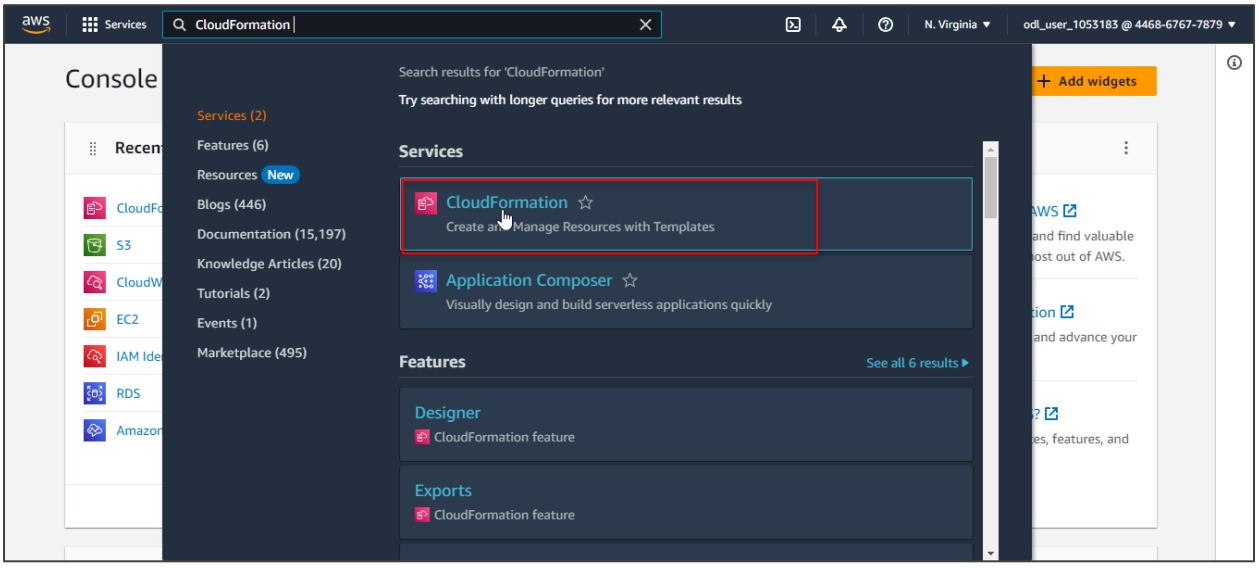
Prerequisites: An existing CloudFormation stack

Steps to be followed:

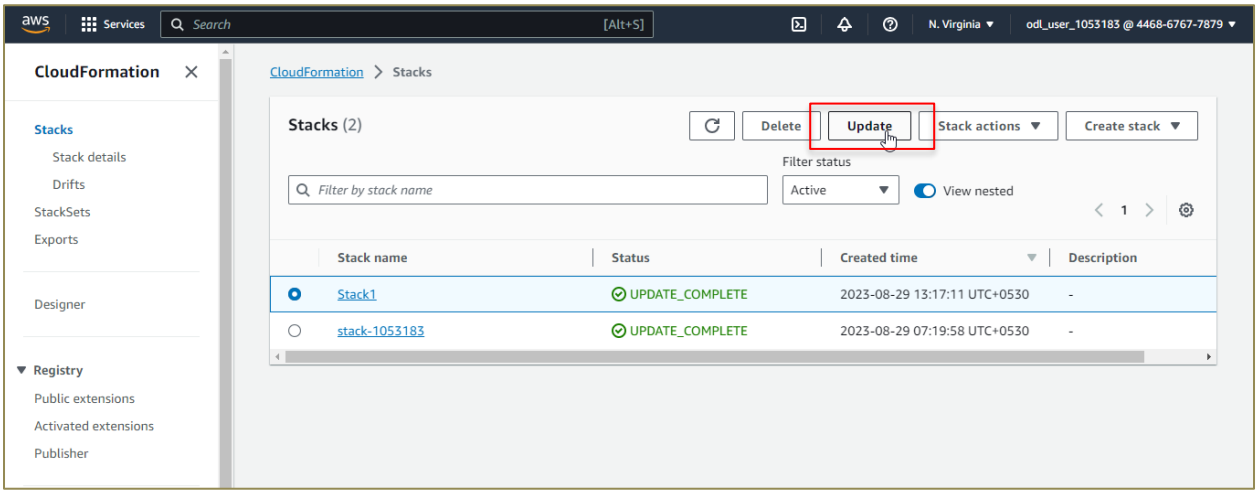
1. Edit deletion policy for a specific S3 bucket
2. Delete the stack

Step 1: Edit deletion policy for a specific S3 bucket

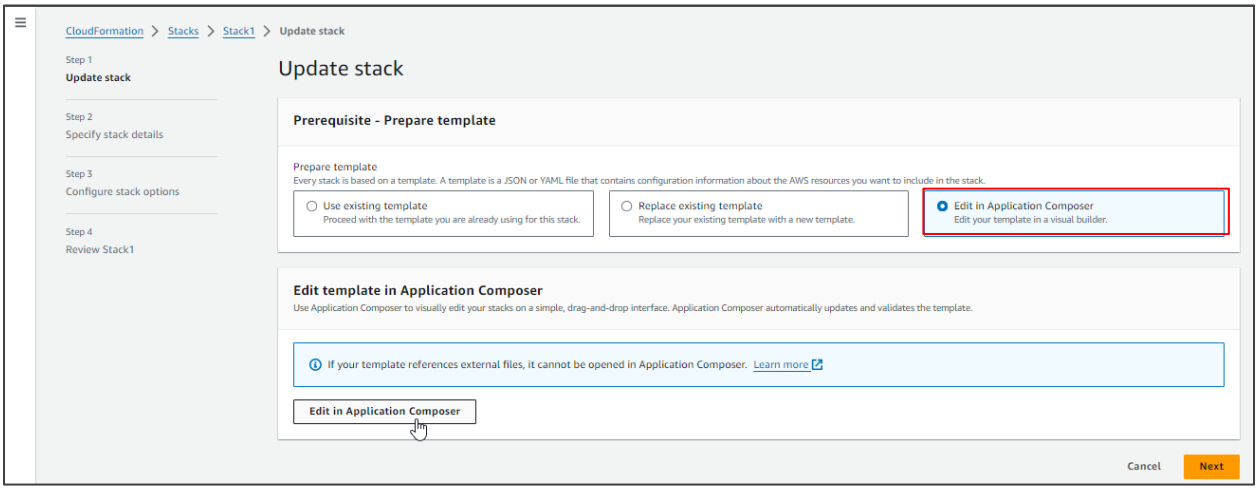
1.1 Open the AWS Management Console and select the AWS CloudFormation service



1.2 Select an existing stack containing the S3 bucket resources and click **Update** to initiate the update process

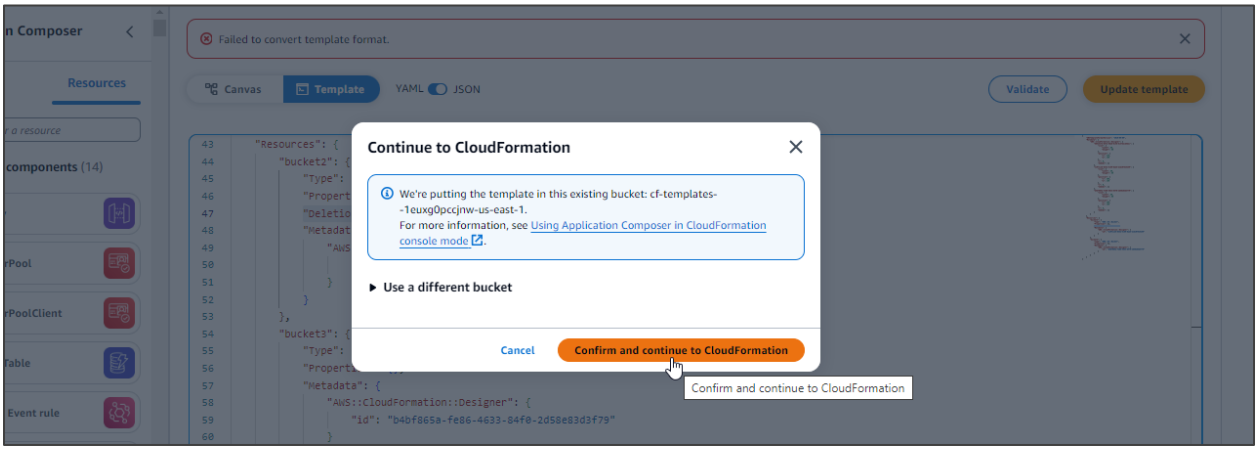


1.3 In the Update stack page, select **Edit in Application Composer** and click on **Edit in Application Composer**

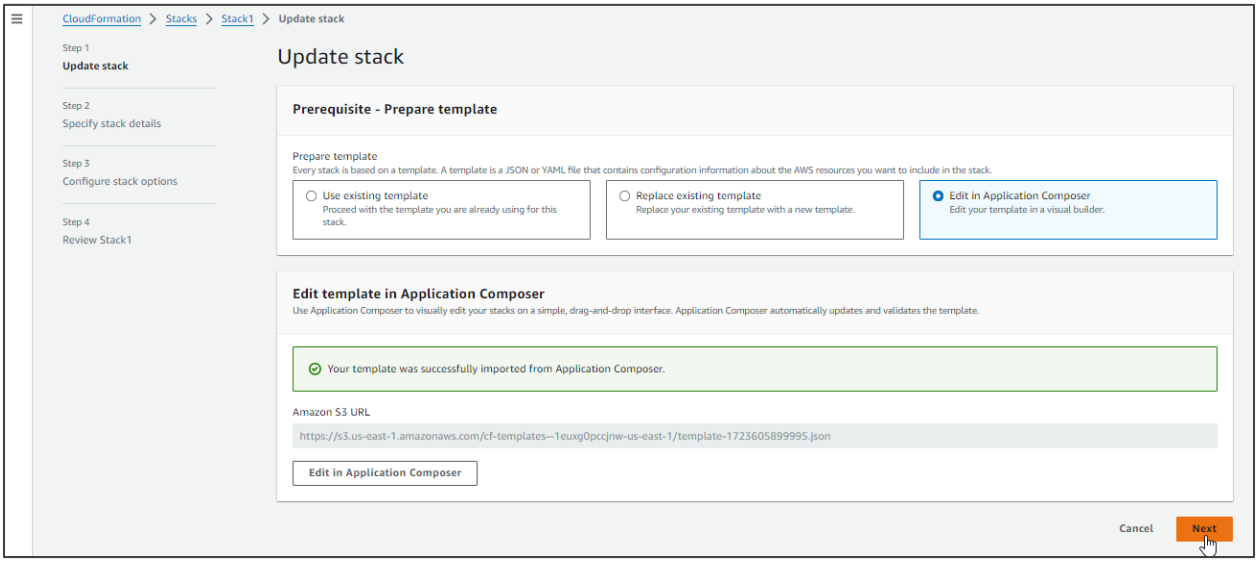


1.4 In the Template tab, add the following deletion policy for a single bucket: **"DeletionPolicy": "Retain"**

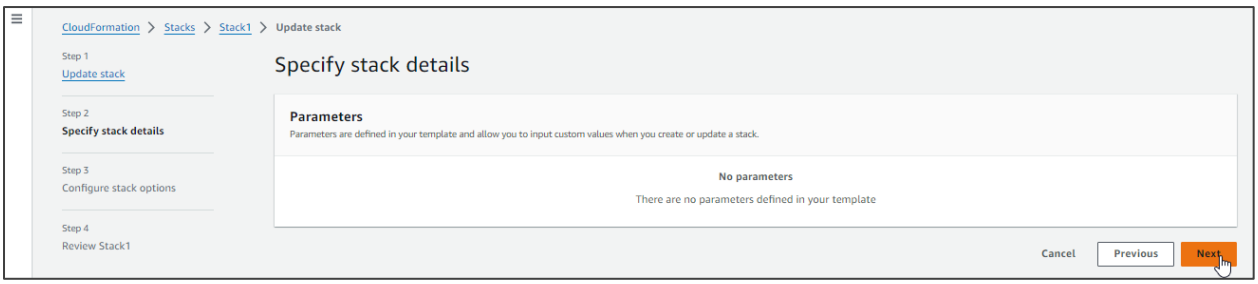
1.5 Click on **Update template** and then select **Confirm and continue to CloudFormation**



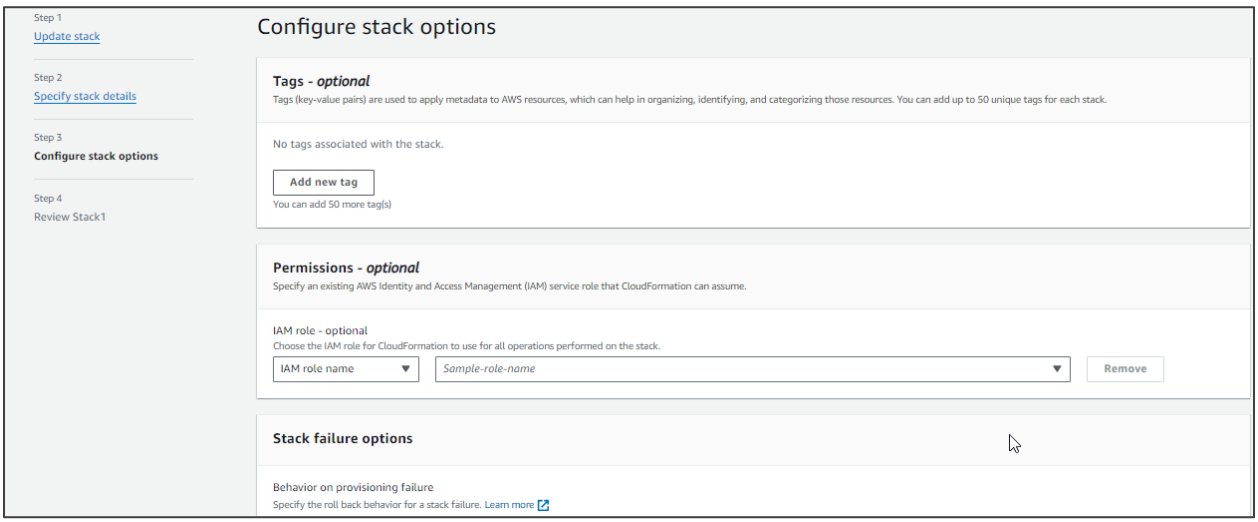
1.6 After the template is successfully imported, click **Next**

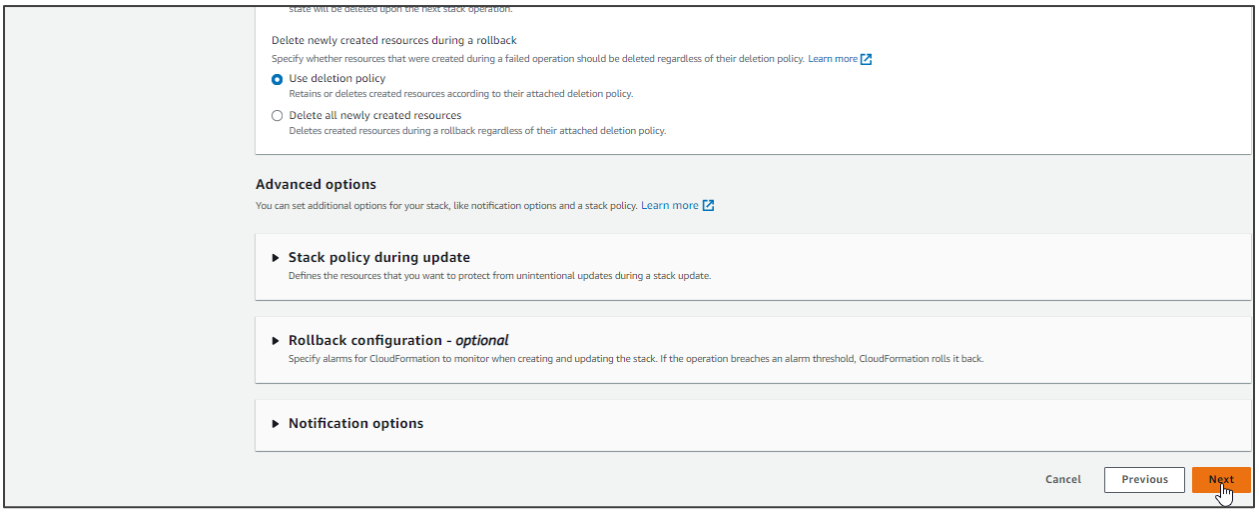


1.7 Again, click **Next** in the Specify stack details page

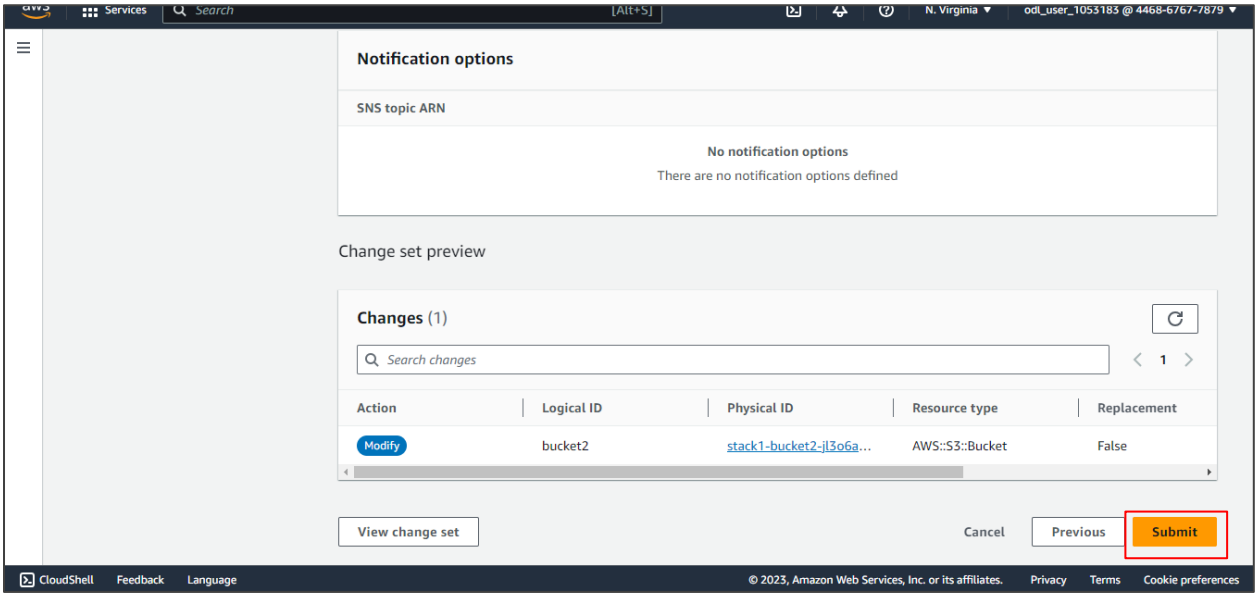


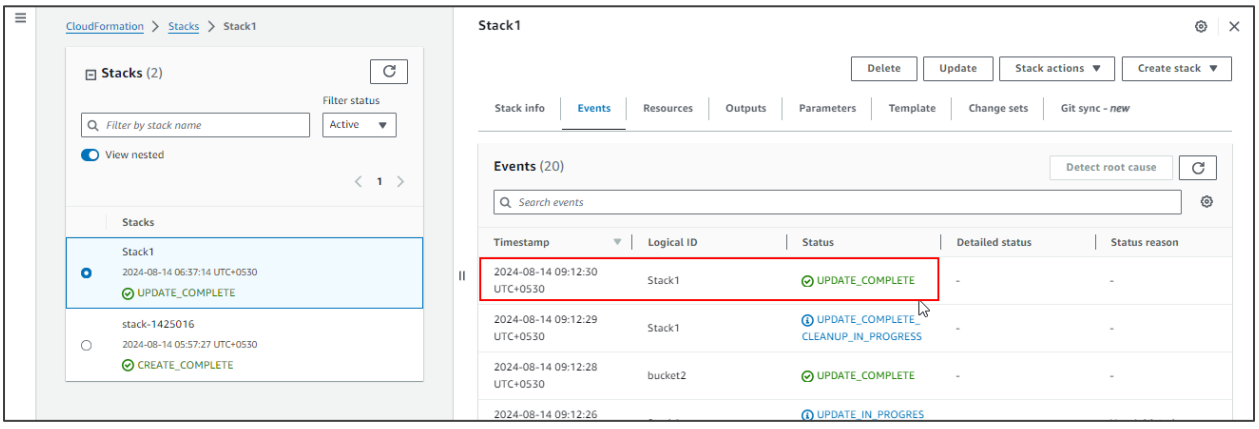
1.8 Click **Next** to proceed with the default configuration settings





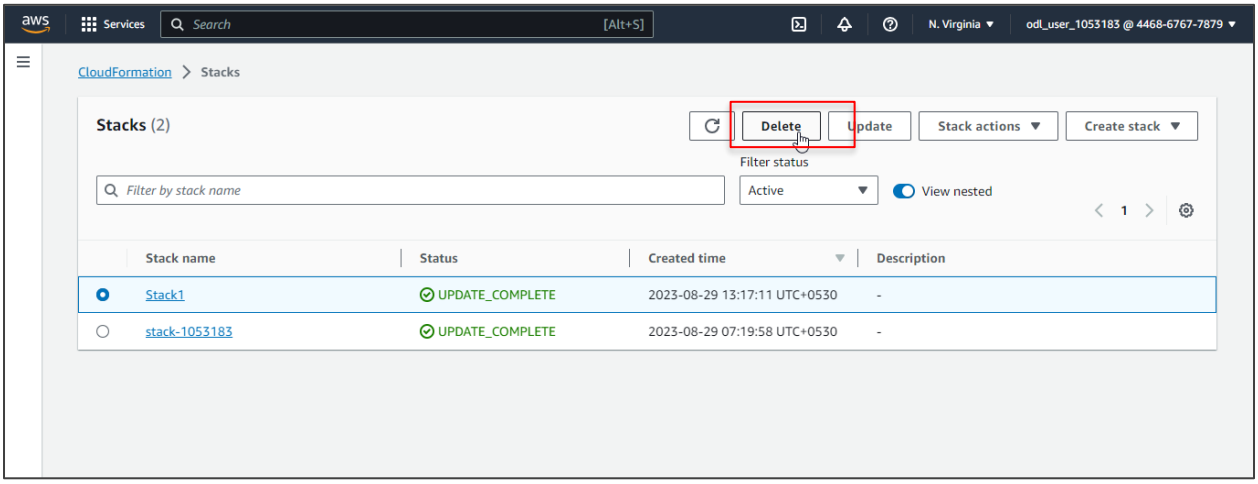
1.9 Review the configurations and click **Submit** to proceed with the stack update



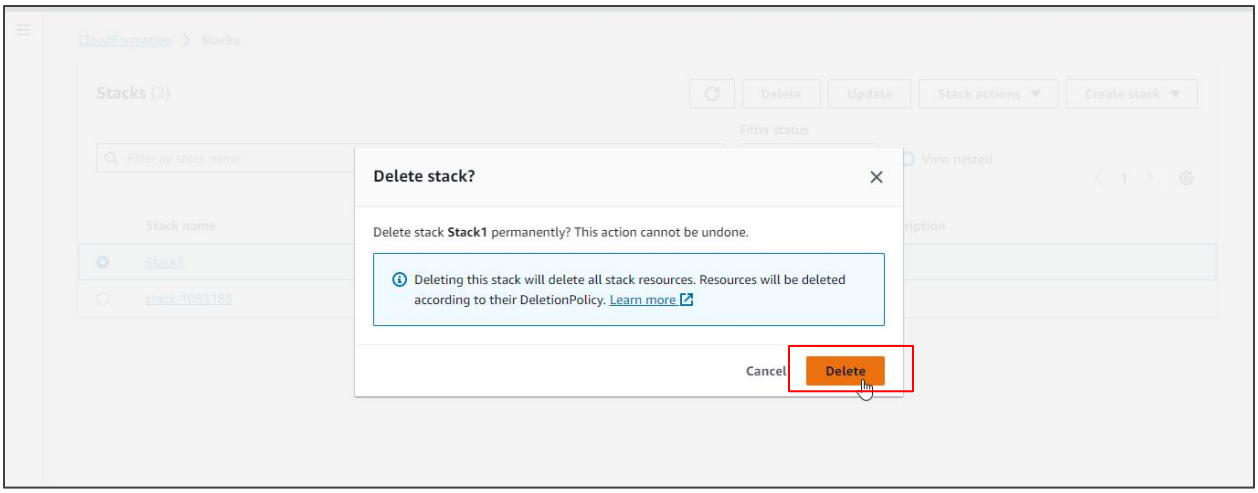


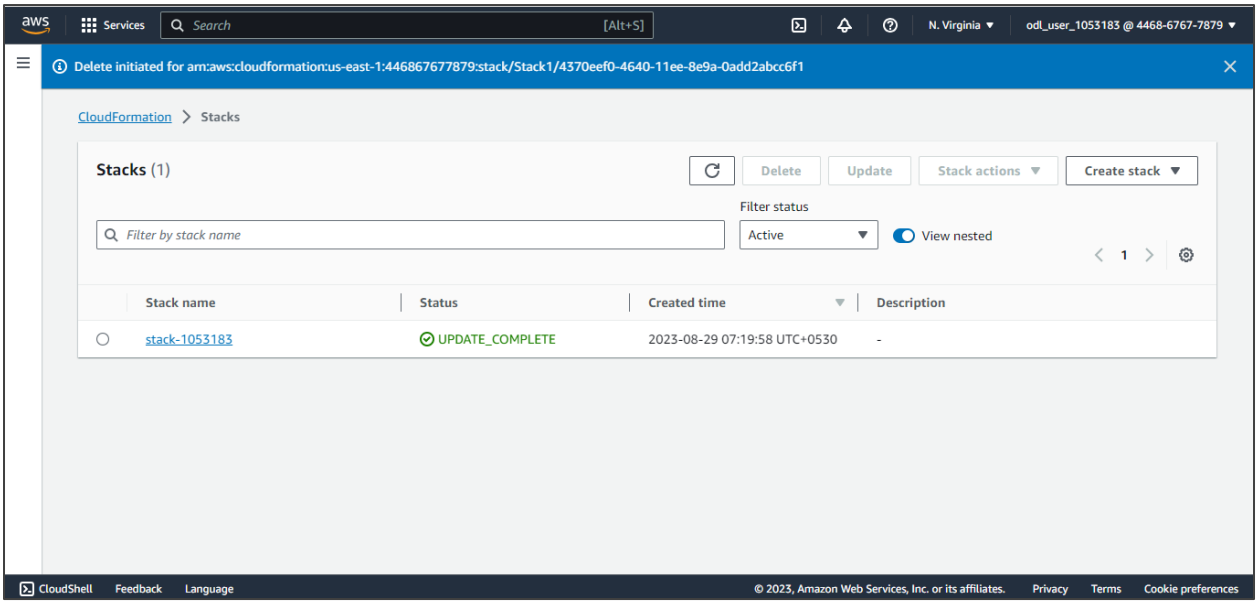
Step 2: Delete the stack

2.1 After the update is complete, select the stack created and click **Delete**



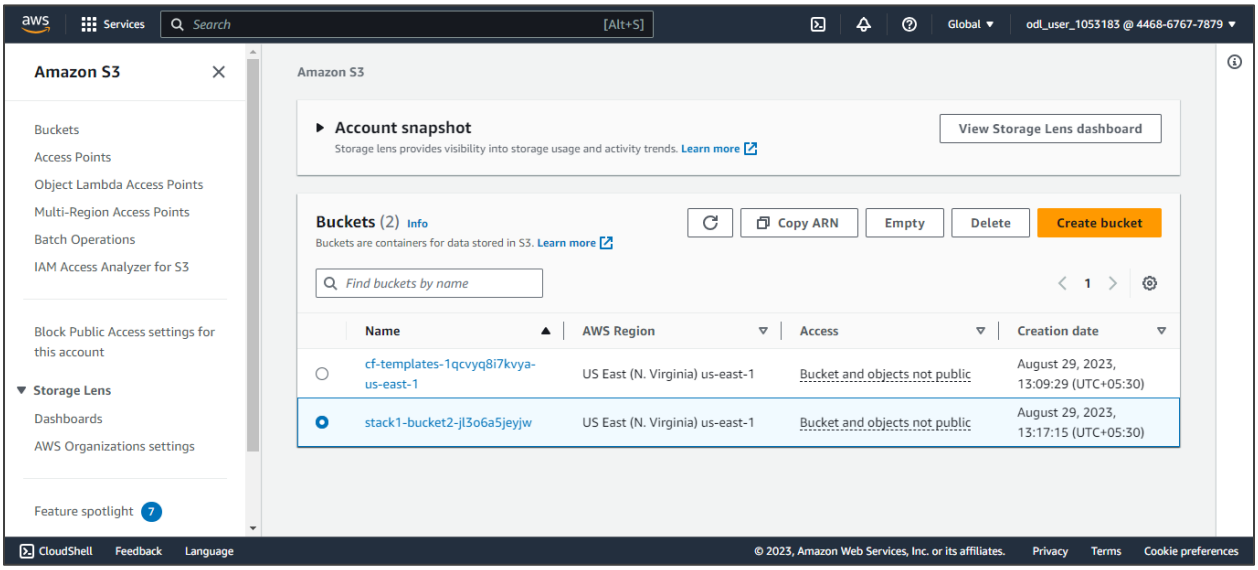
2.2 Select **Delete** when prompted





The stack is deleted successfully.

2.3 Navigate to the S3 bucket dashboard to verify the deletion of the S3 bucket specified in the stack



You will notice that one S3 bucket has not been deleted.

By following these steps, you have successfully updated the deletion policy for an AWS S3 bucket resource in a CloudFormation stack, ensuring its retention during stack deletion.