Lesson 09 Demo 07

Adding Deletion Policy to Protect Resources

Objective: To demonstrate the process of adding a deletion policy to protect specific AWS S3 bucket resources in a CloudFormation stack

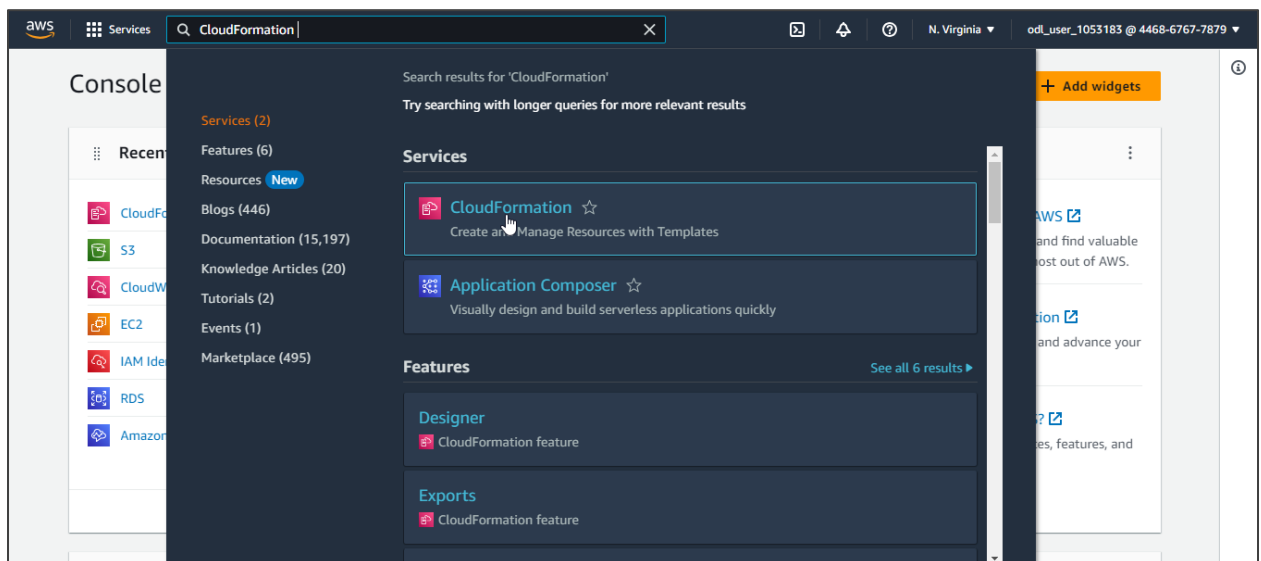**Tools required:** AWS Management Console

**Prerequisites:** An existing CloudFormation stack

Steps to be followed:
1. Edit deletion policy for specific S3 bucket
2. Delete the stack

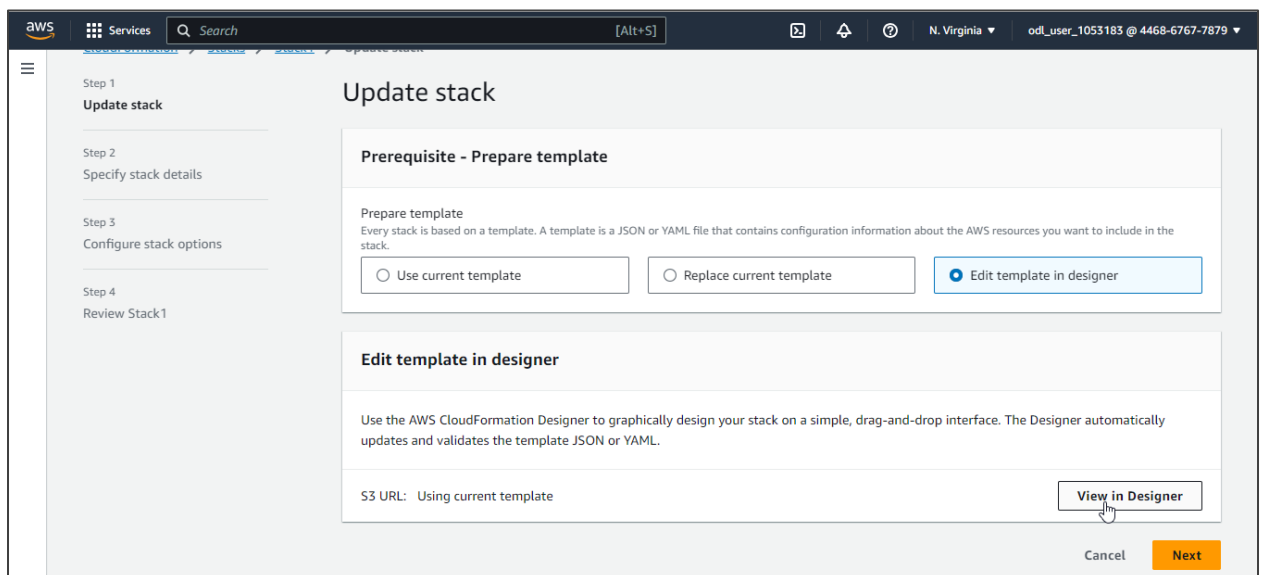## Step 1: Edit deletion policy for specific S3 bucket

1.1 Open the AWS Management Console, search for **CloudFormation,** and select it

1.2 Locate and choose the existing stack containing the S3 bucket resource. Click **Update** to initiate the update process.
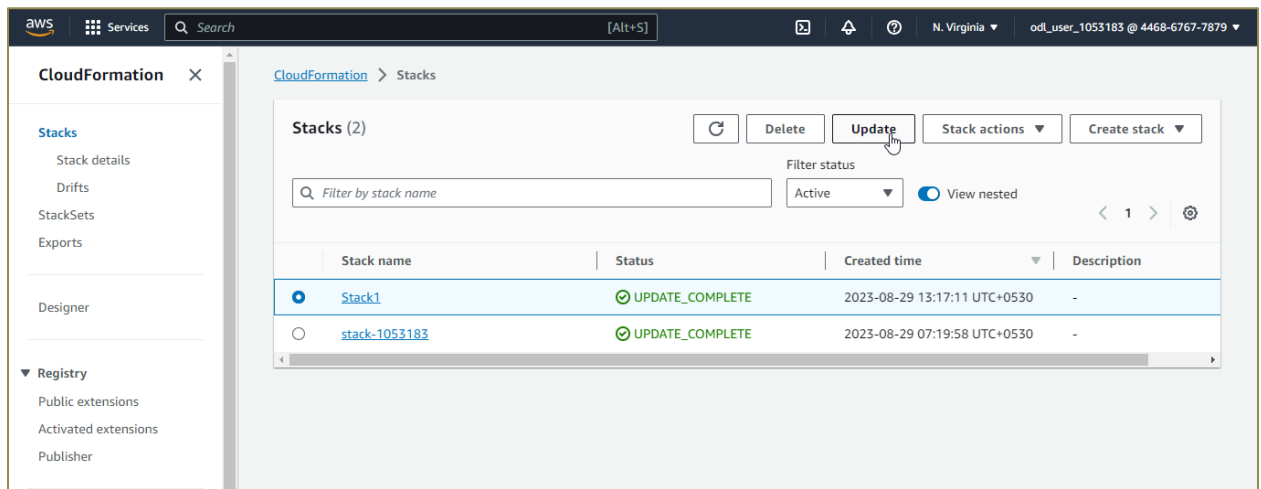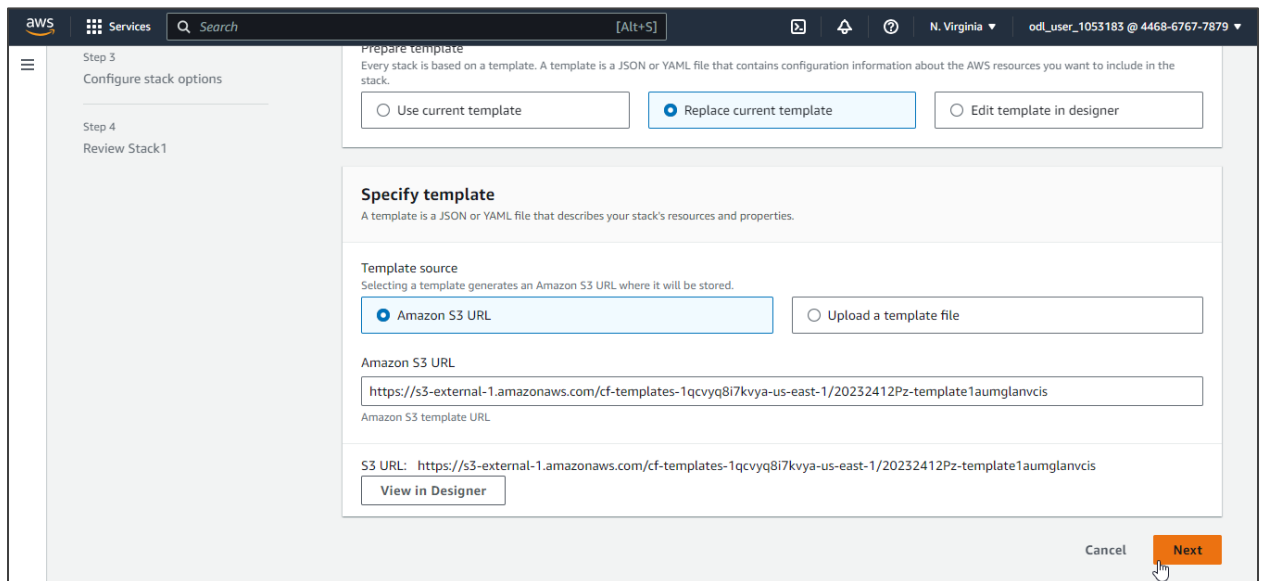

1.3 In the **Update stack** section, choose **Edit template in designer**, and click on **View in Designer**

1.4 In the **Template** tab, include the deletion policy for a single bucket as follows:
   "DeletionPolicy": "Retain"
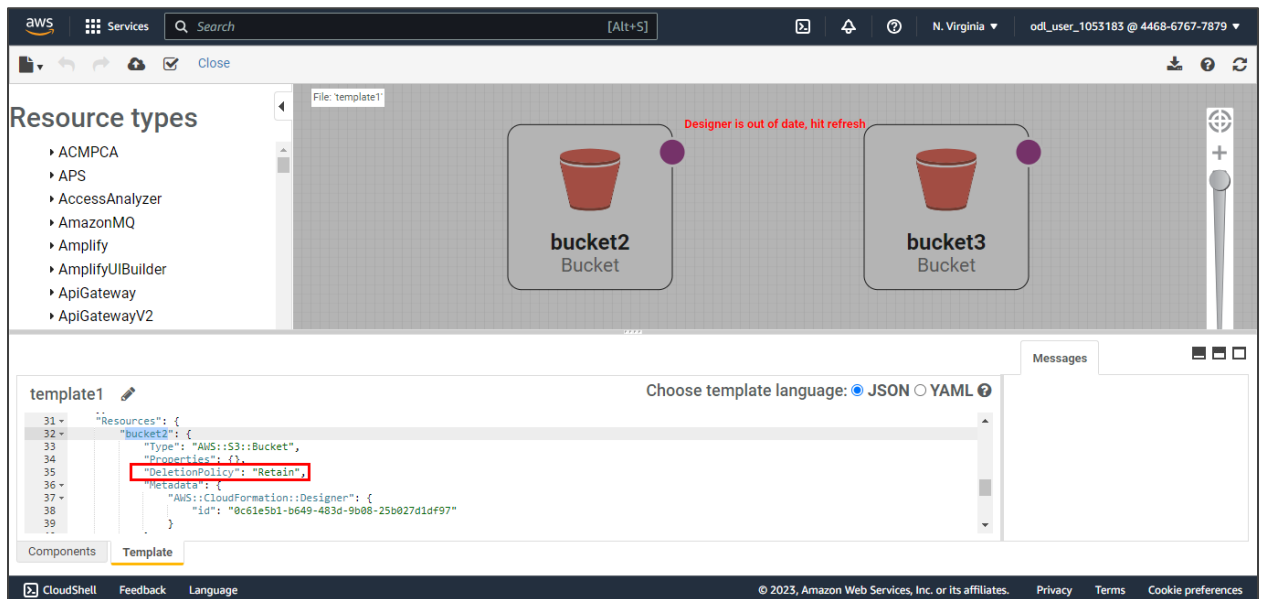
1.5 Save the modified template and click **Next**

1.6 Proceed through **Specify stack details** and **Configure stack options** by clicking **Next** for each. Proceed with the update and wait for its completion (status: **UPDATE_COMPLETE**).

Step 2: Delete the stack

2.1 After the update is complete, delete the stack
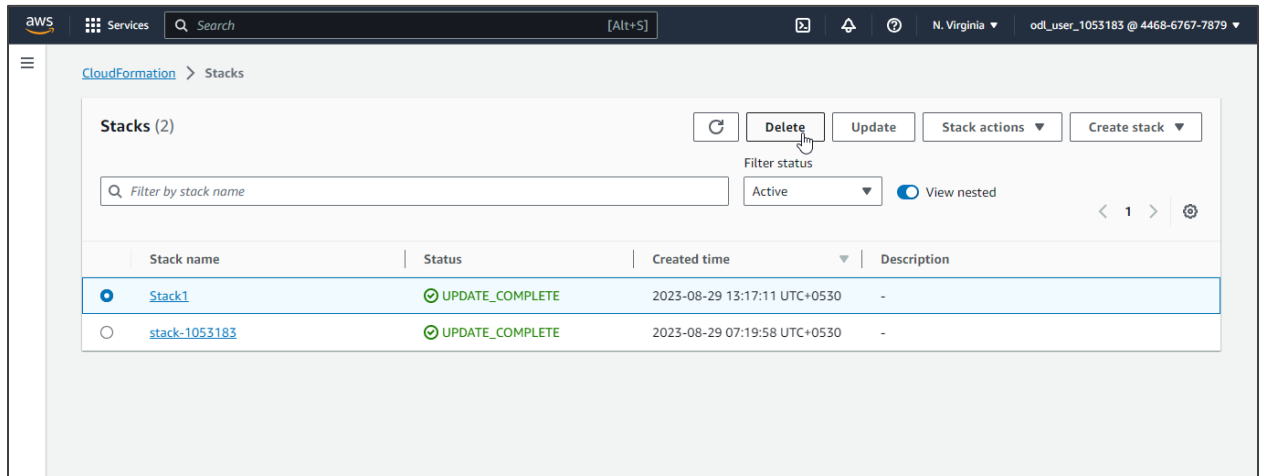
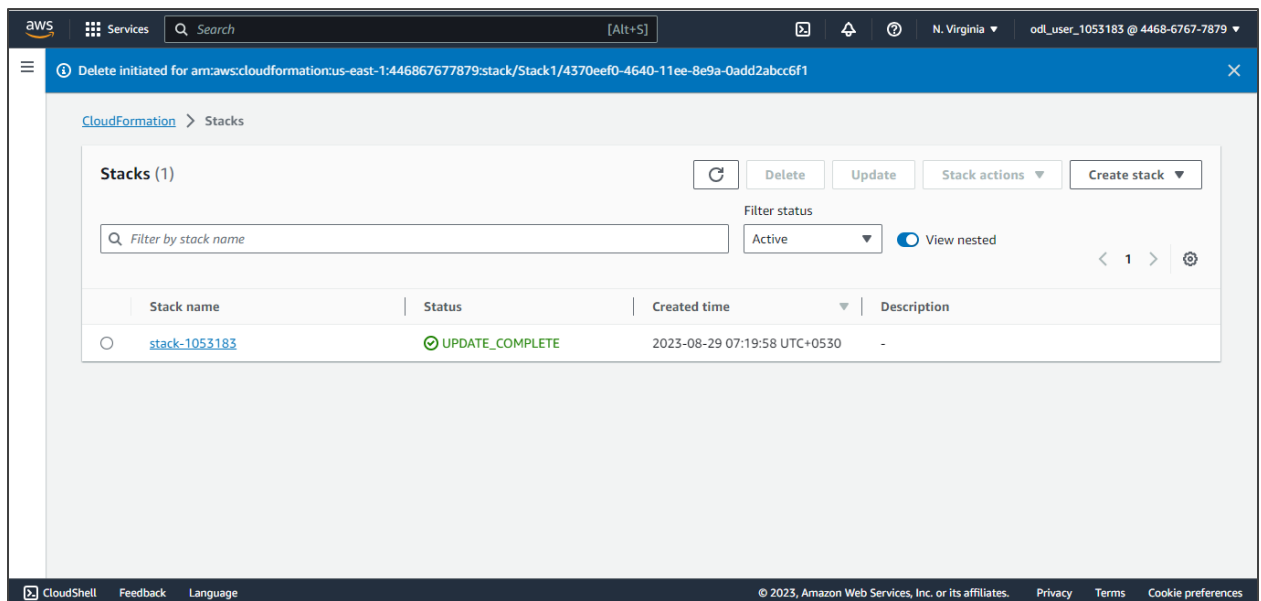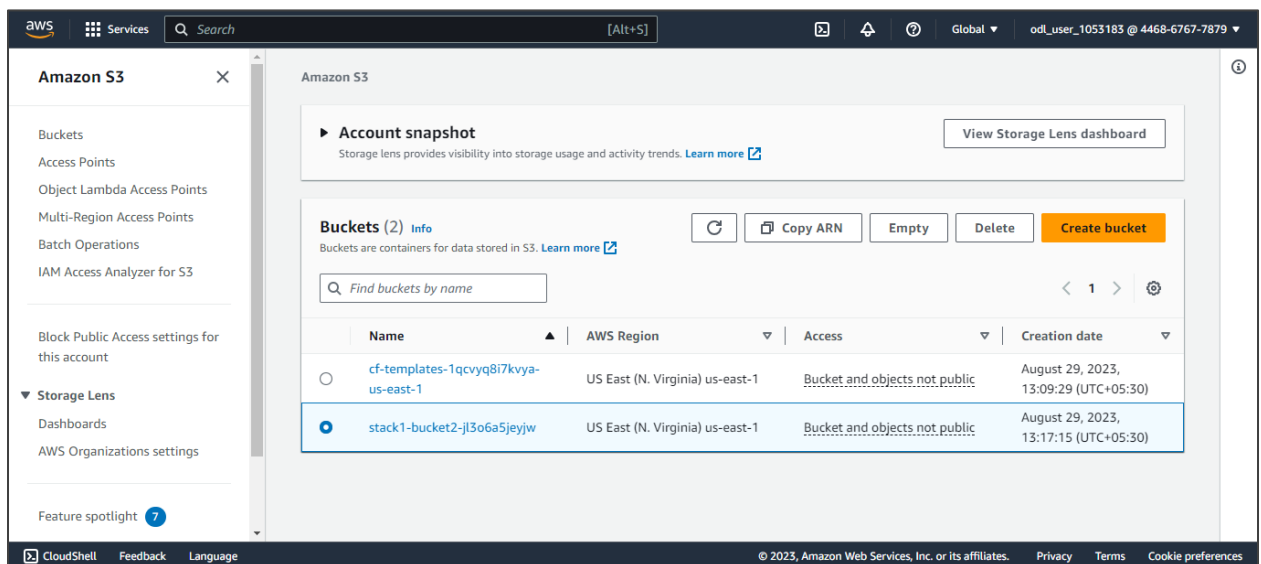2.2 Select **Delete** when prompted
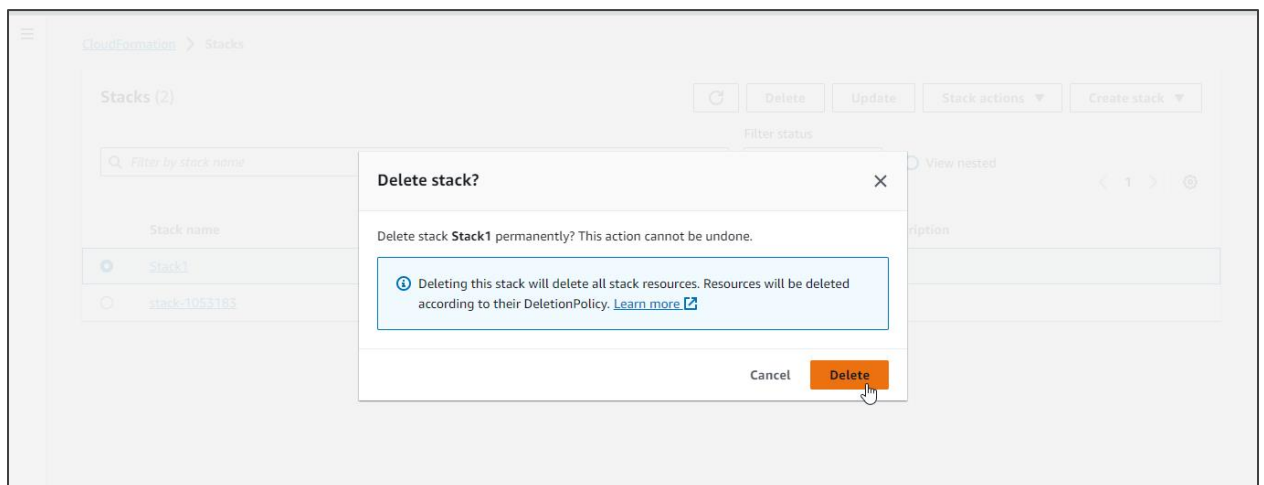
You must check if the stack was deleted successfully.

2.3 Navigate to the S3 bucket dashboard to verify that the S3 bucket specified in the template is retained after the stack deletion

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.