Lesson 09 Demo 05

Updating an Existing Stack

Objective: To demonstrate the process of updating an existing stack, focusing on deleting an S3 bucket

Tools required: AWS Management Console

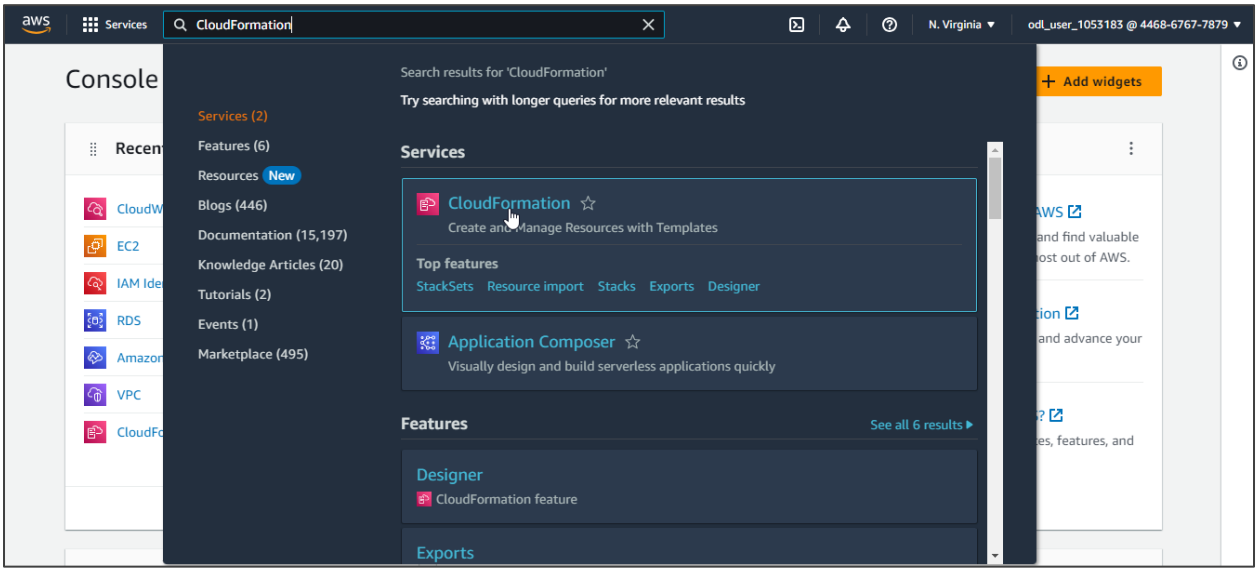
Prerequisites: None

Steps to be followed:

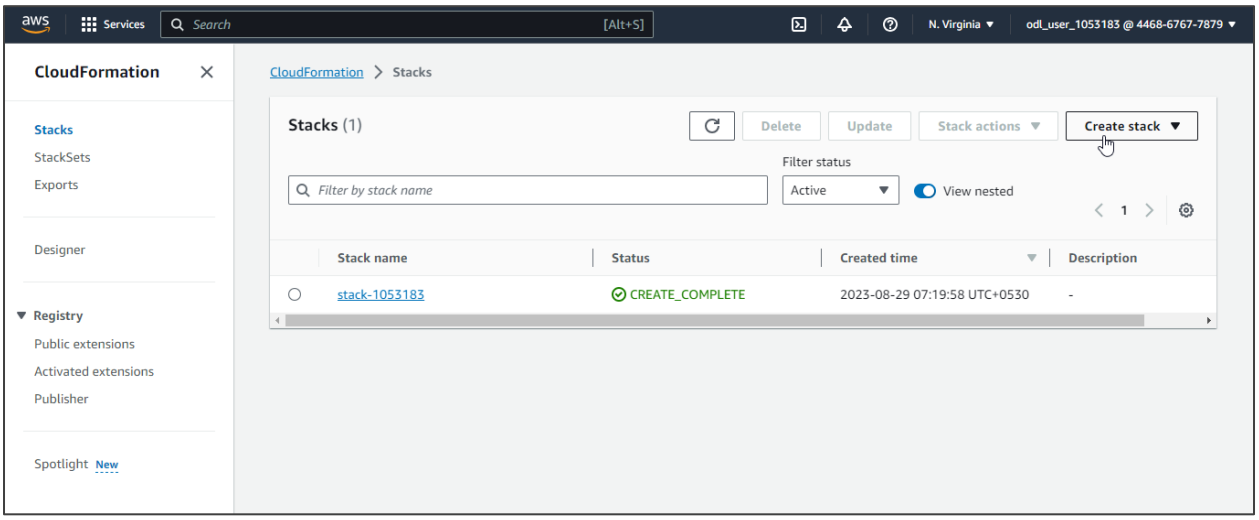
1. Create an S3 Bucket stack using CloudFormation
2. Delete an S3 Bucket from the stack

Step 1: Create an S3 Bucket stack using CloudFormation

1.1 Go to the AWS Management Console and search for **CloudFormation**

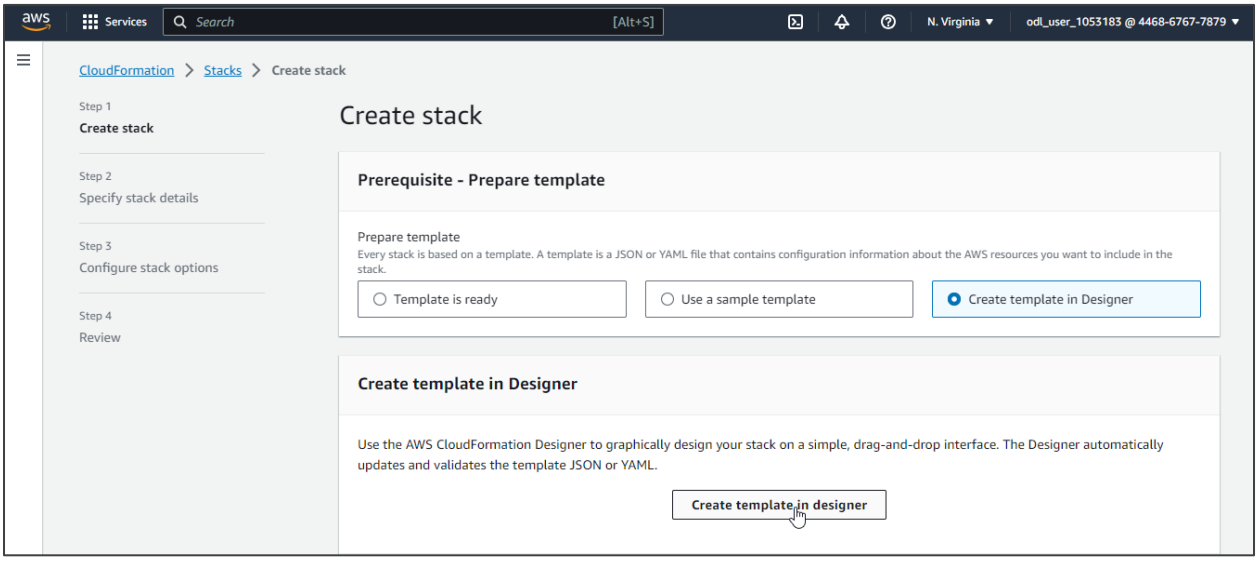


1.2 In the CloudFormation Management Console, click on **Create stack**



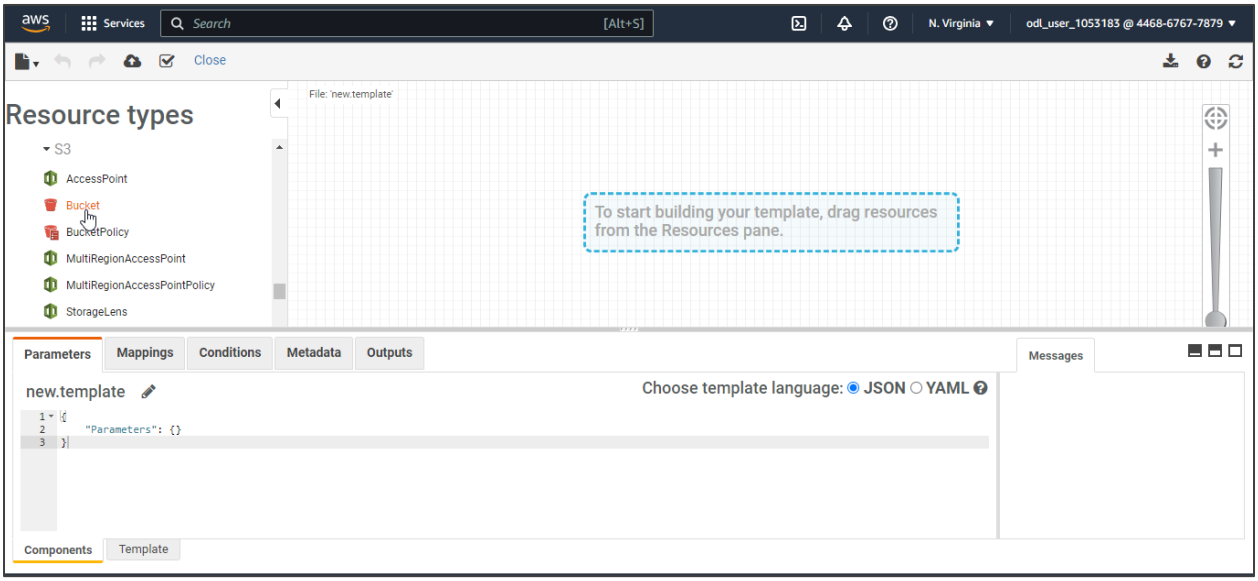
1.3 In the **Create stack** console, perform the following:

- Choose **Create template in Designer** in the Specify template section
- Click on **Create template in Designer**

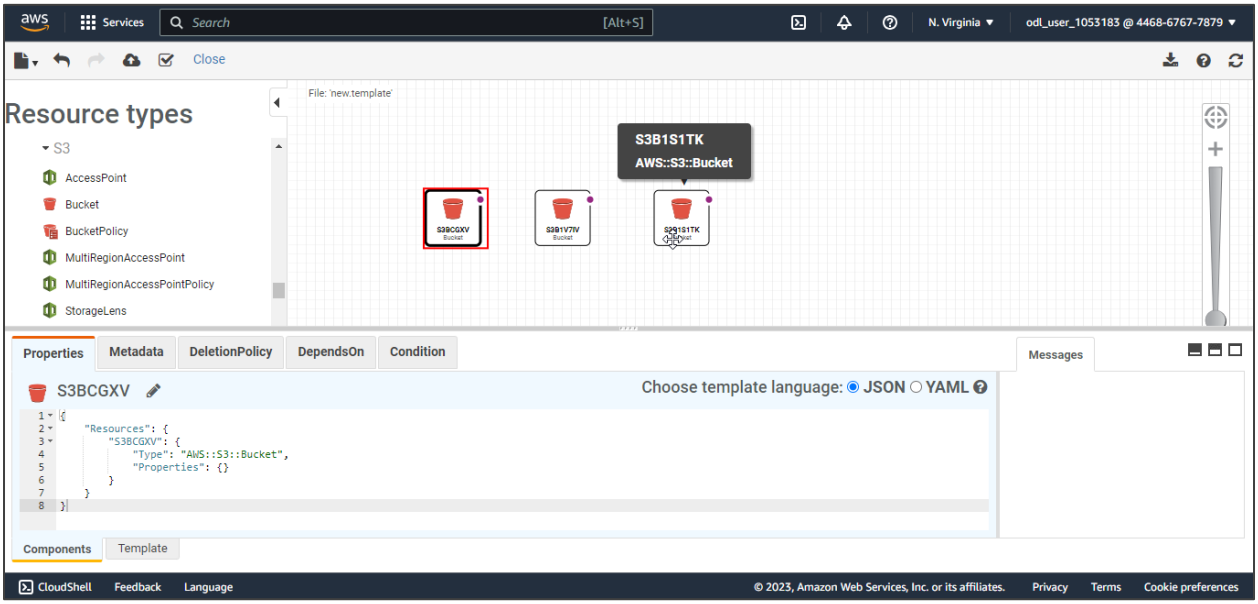


1.4 In the Template designer:

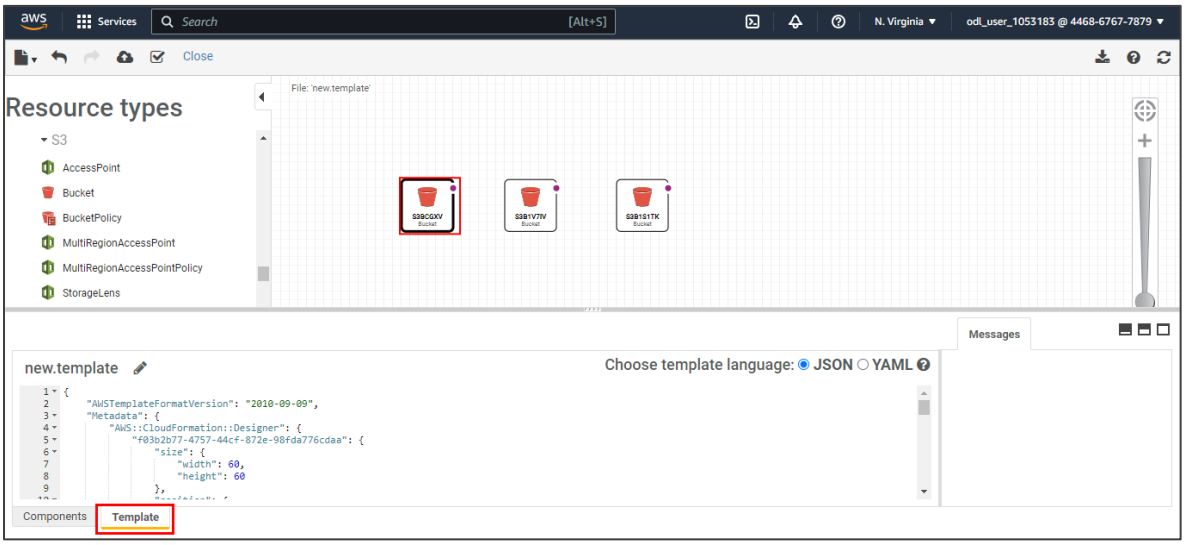
- Under **Resource types**, select **S3**, and click **Bucket**



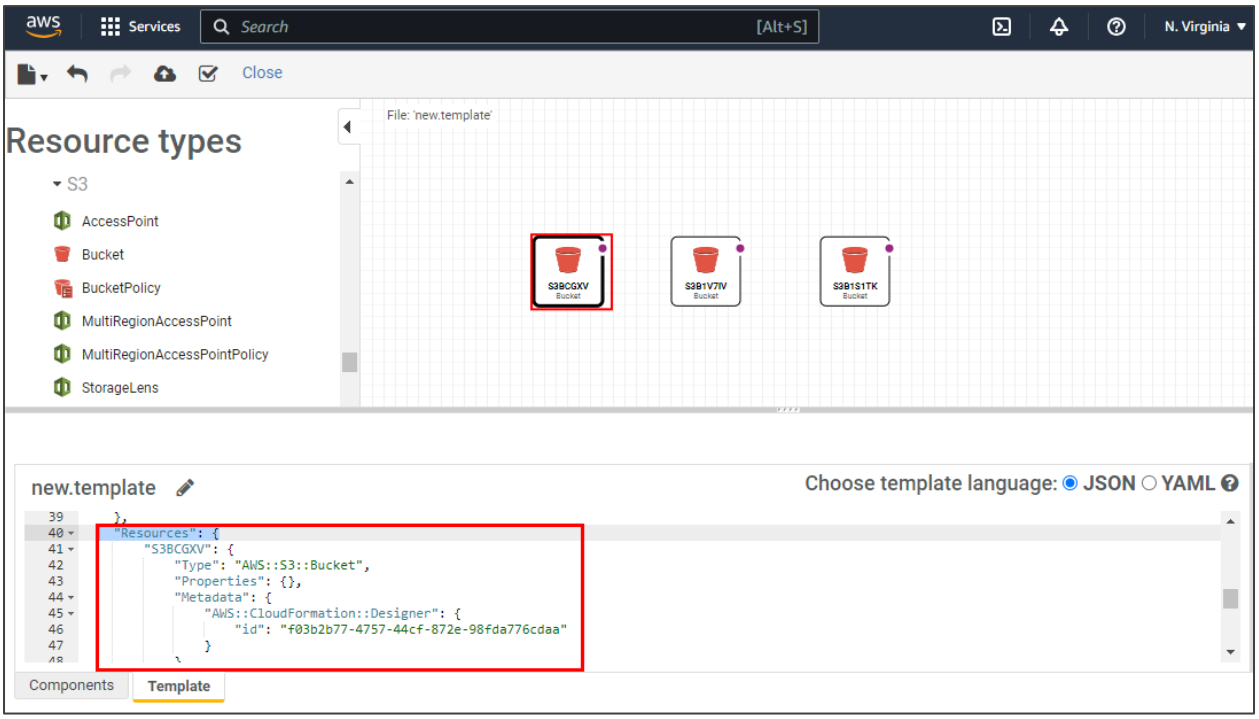
- Drag three **Buckets** from the **Resource** pane to the right pane



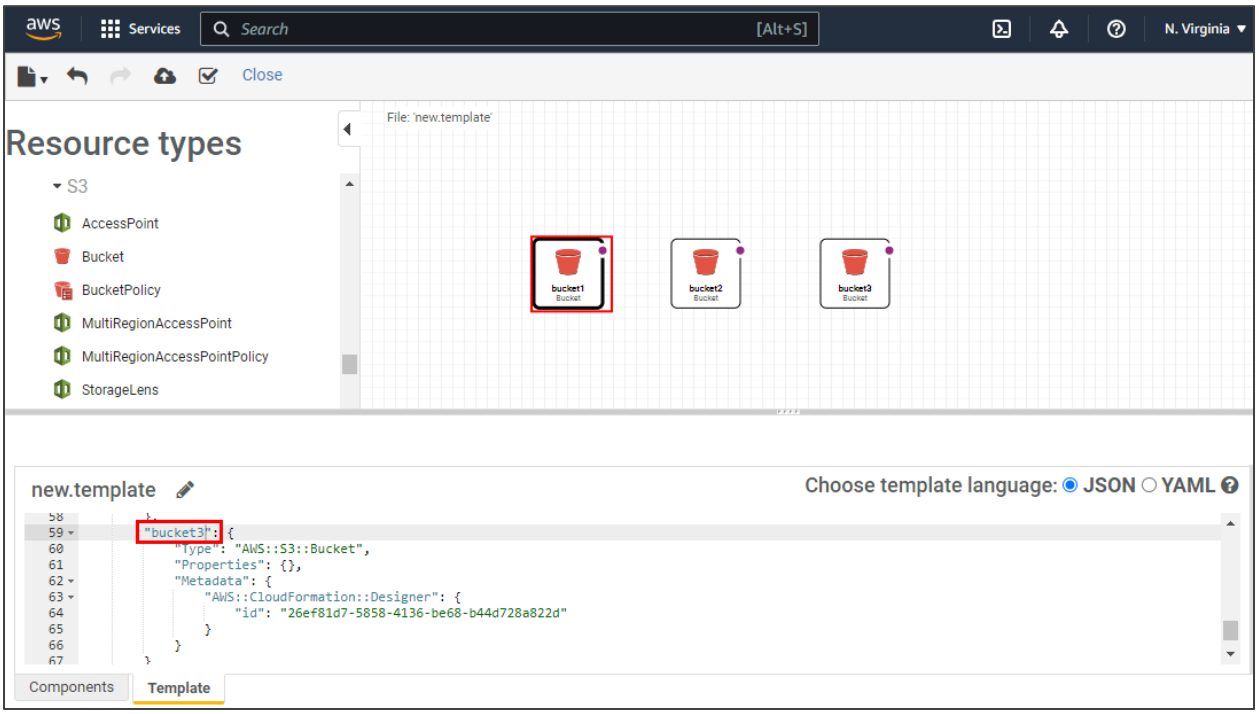
- Go to the Template tab on the lower pane of the Template designer



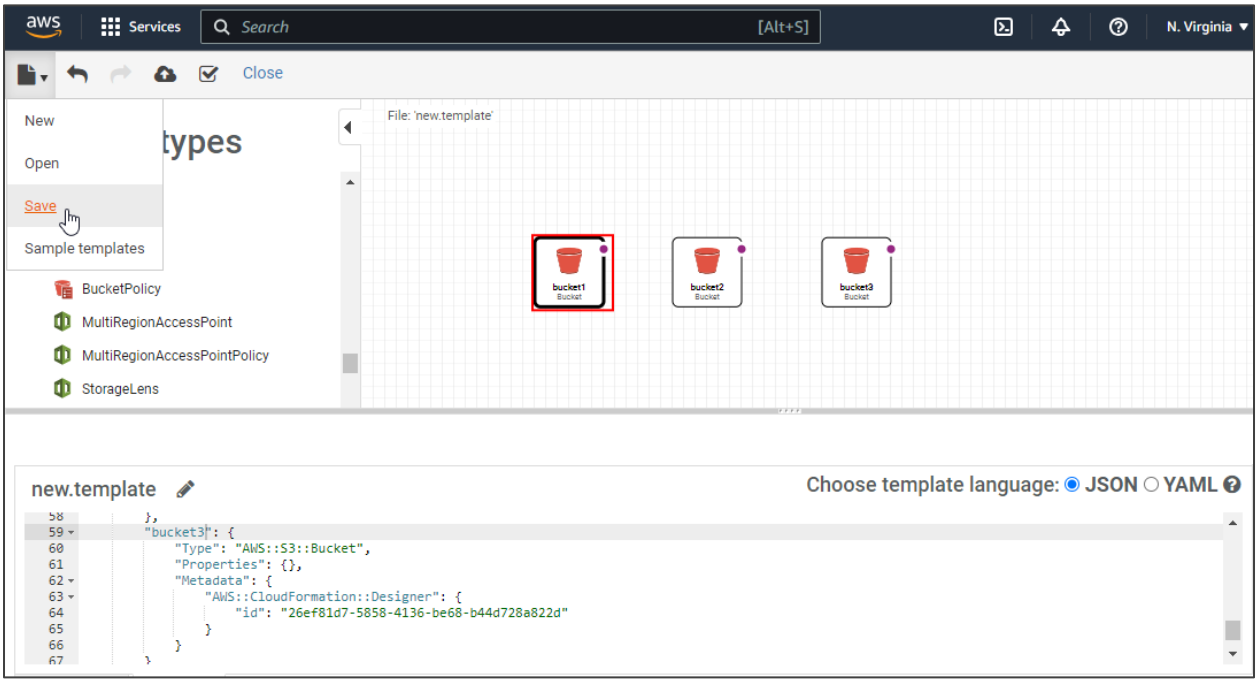
1.5 Edit the names of the buckets in the Resources section of the template

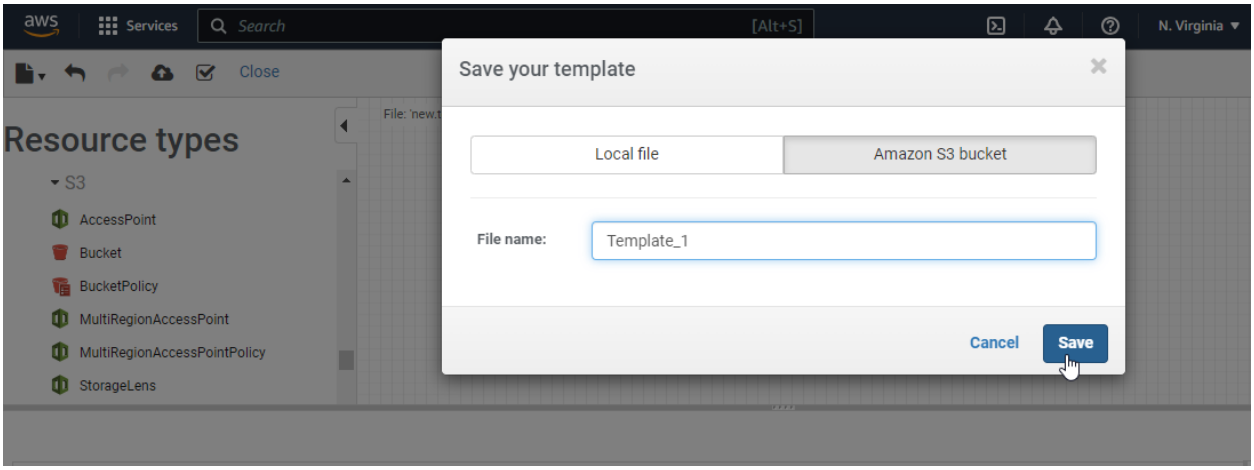


1.6 Enter arbitrary names for the first, second, and third buckets

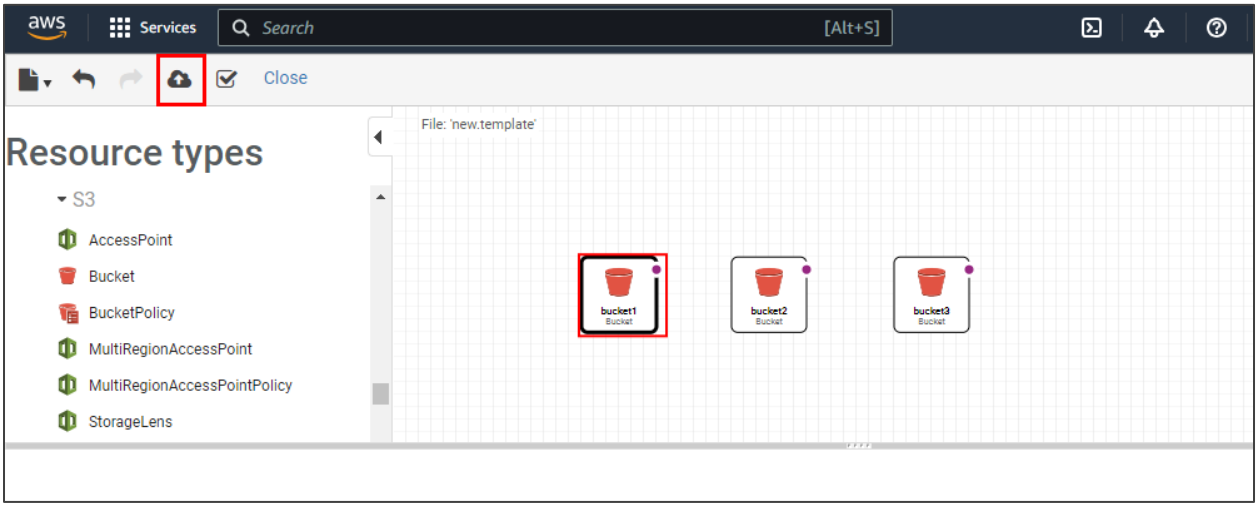


1.7 Save the template

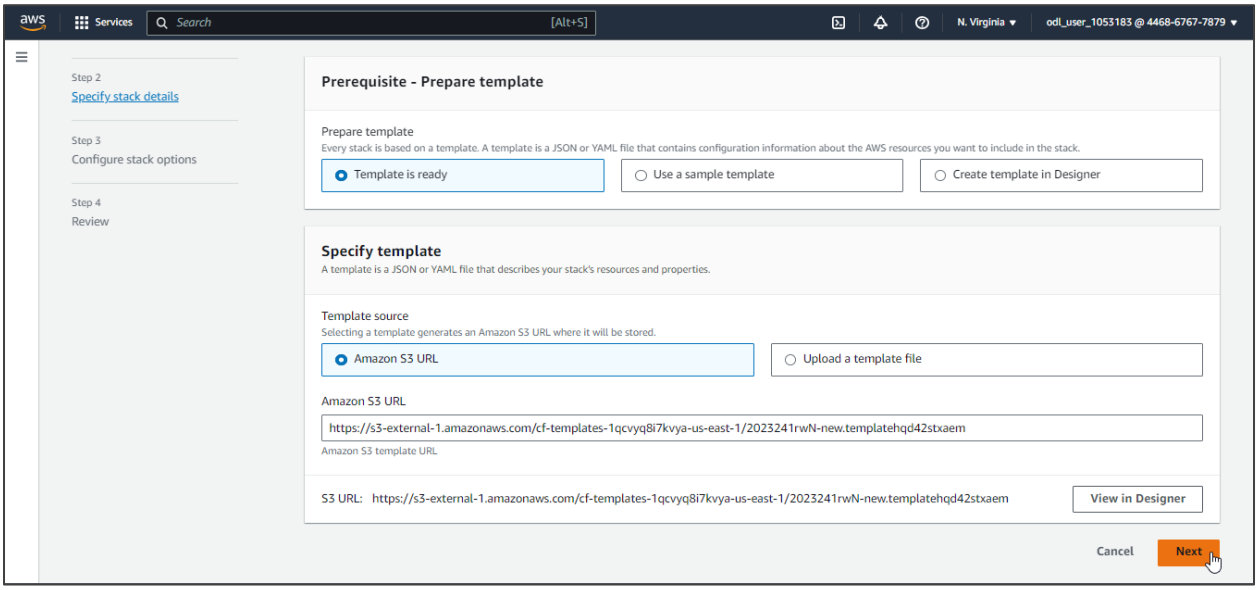




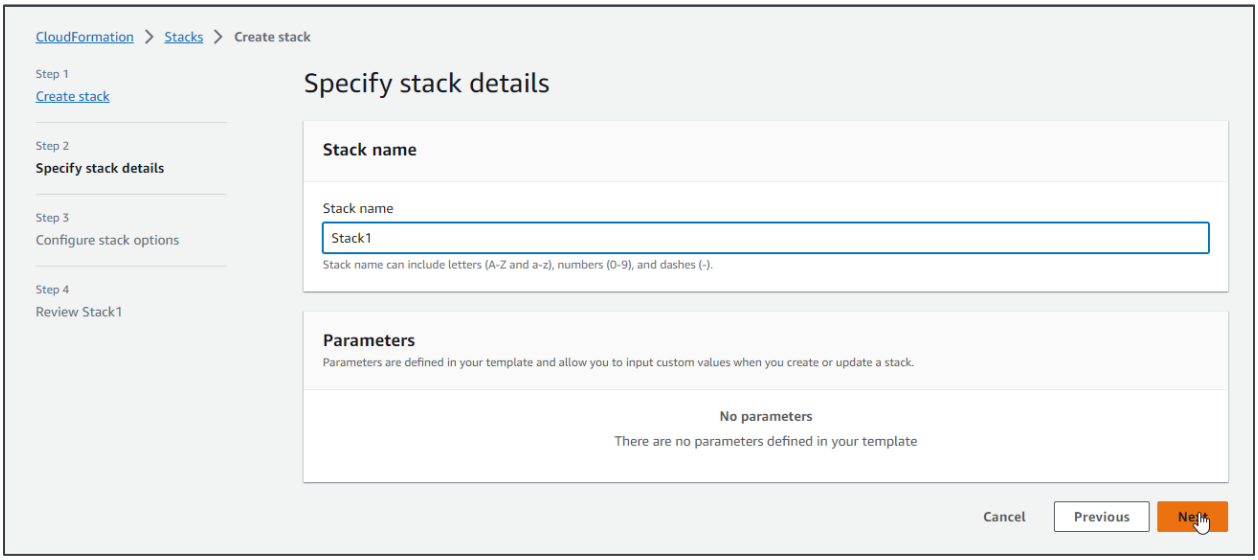
1.8 Click on the **Upload icon** and upload the template



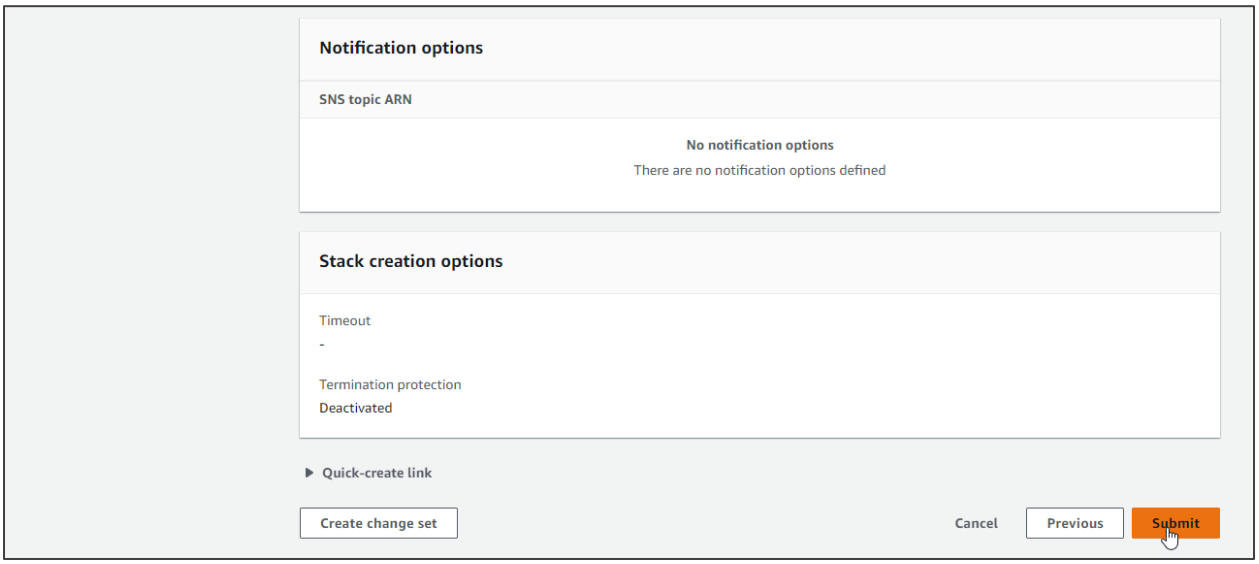
1.9 You will be redirected to the **Create stack** window. Now, click **Next.**

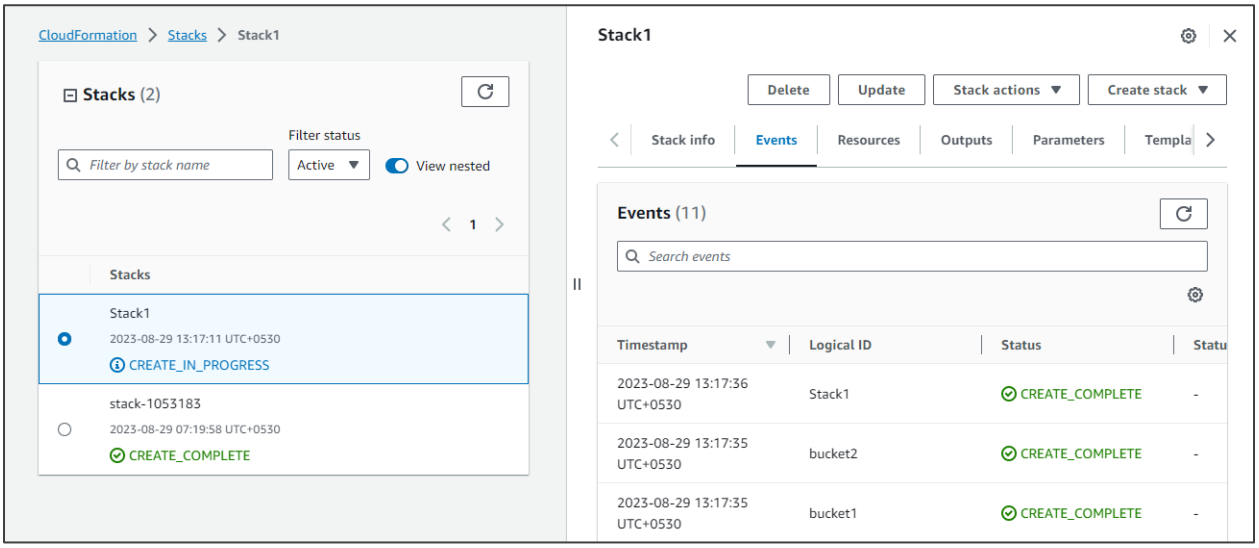


1.10 In the **Specify stack details** section, enter an arbitrary name for the stack. Then, click **Next**.

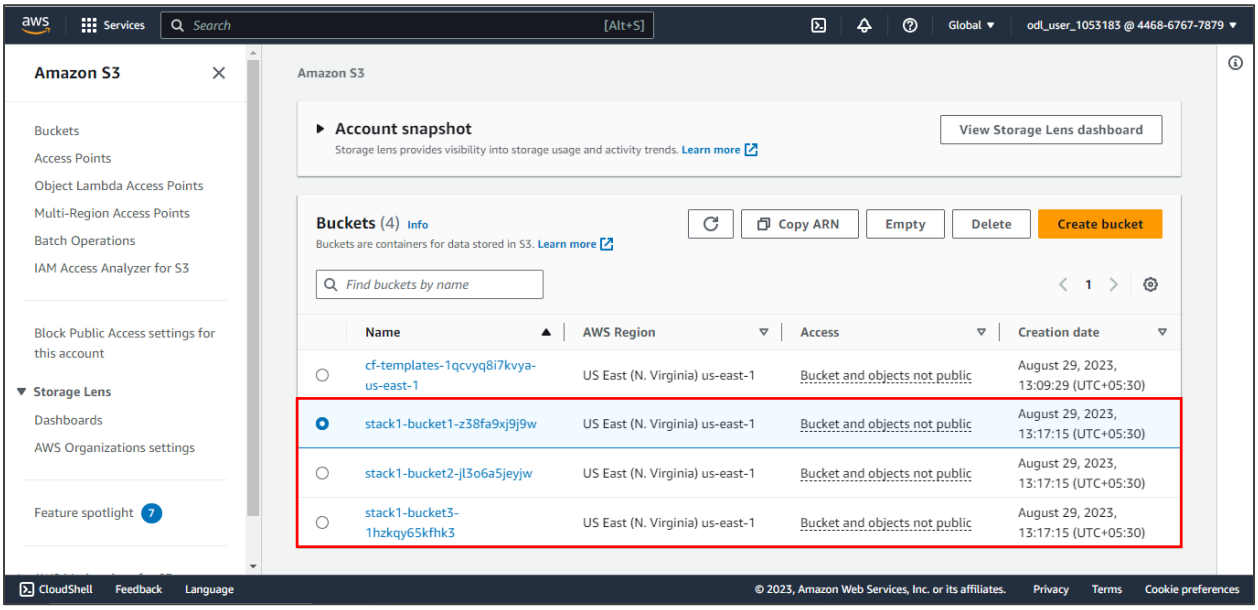


1.11 In the Review section, click **Submit**





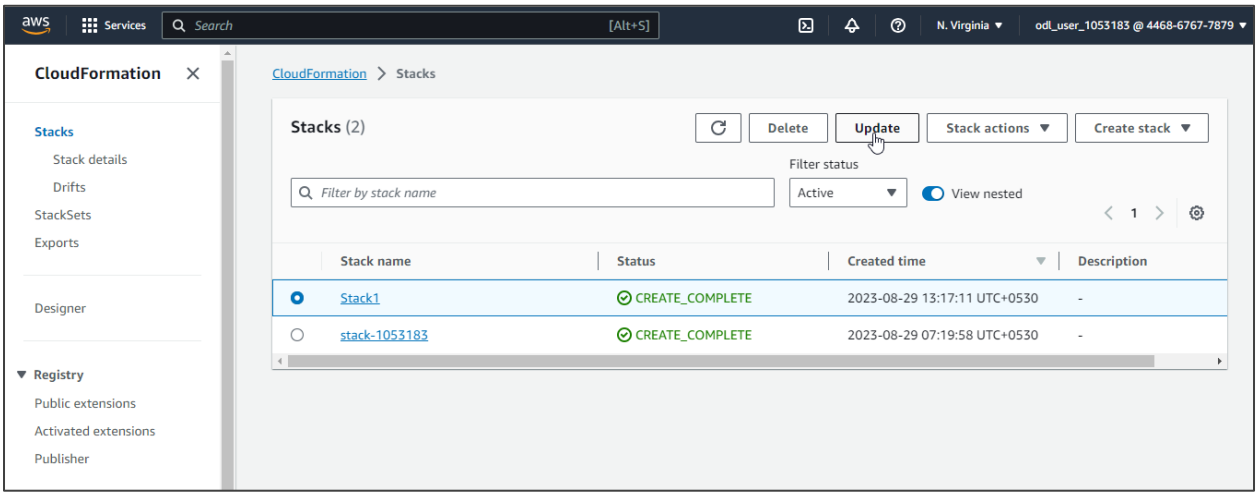
1.12 Go to the S3 bucket dashboard



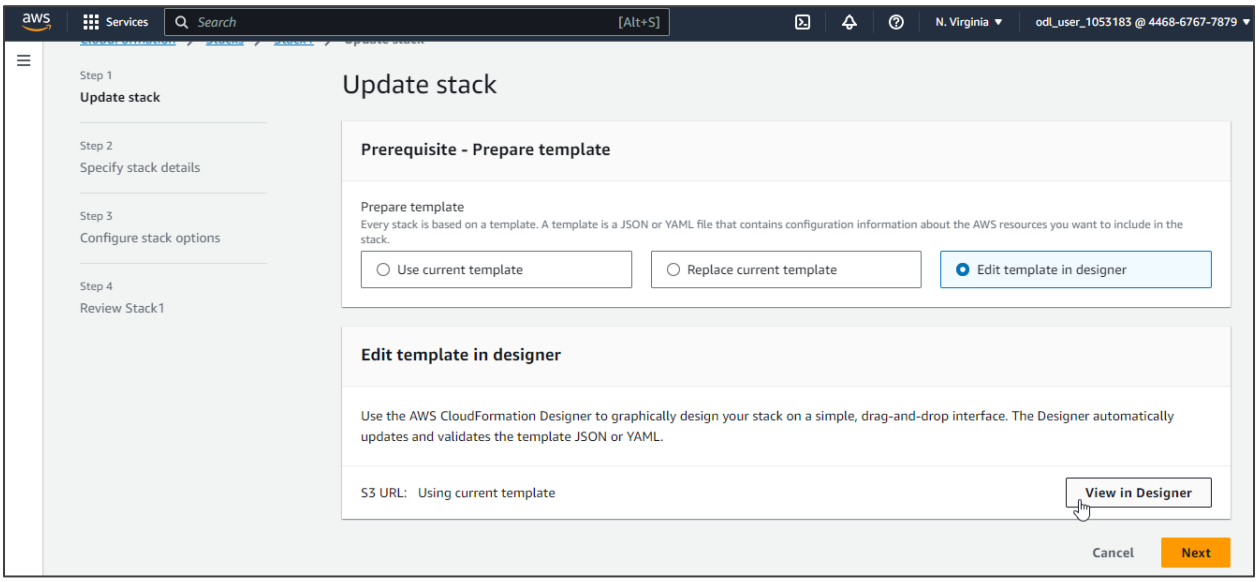
You will find that all three buckets were created.

Step 2: Delete an S3 Bucket from the stack

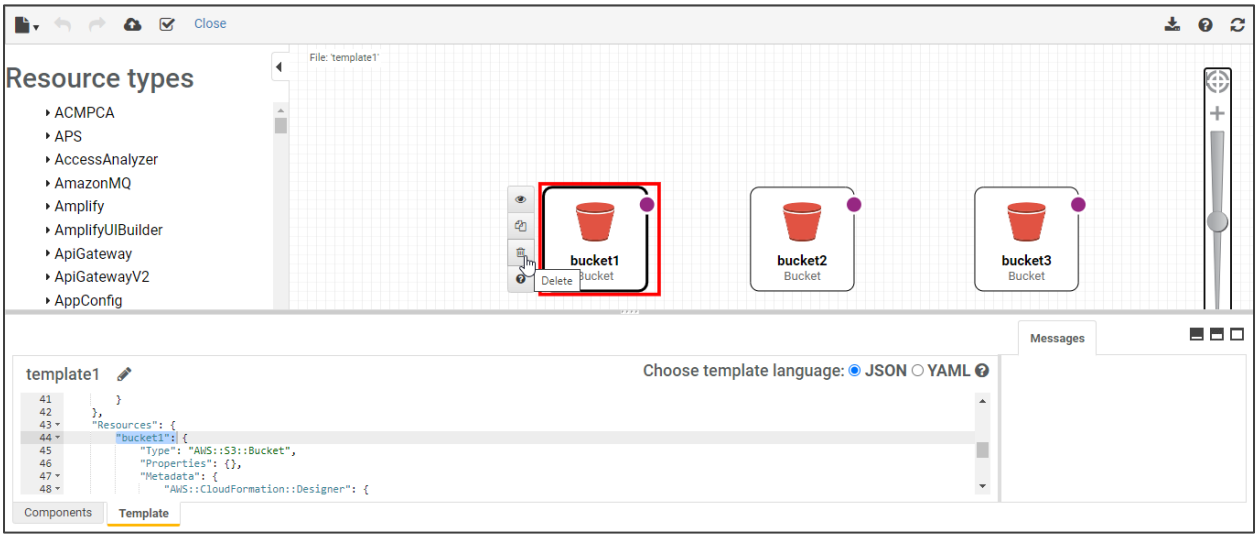
2.1 Go to the **CloudFormation** dashboard, select the stack you created, and click **Update**



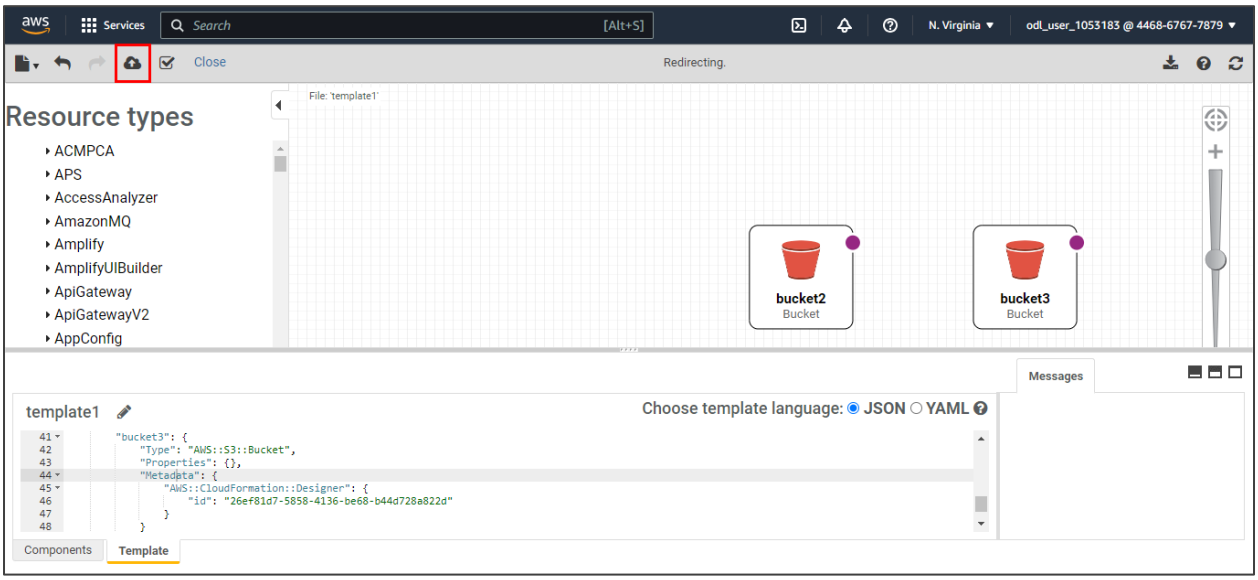
2.2 Select **Edit template in designer** and click on **View in Designer**



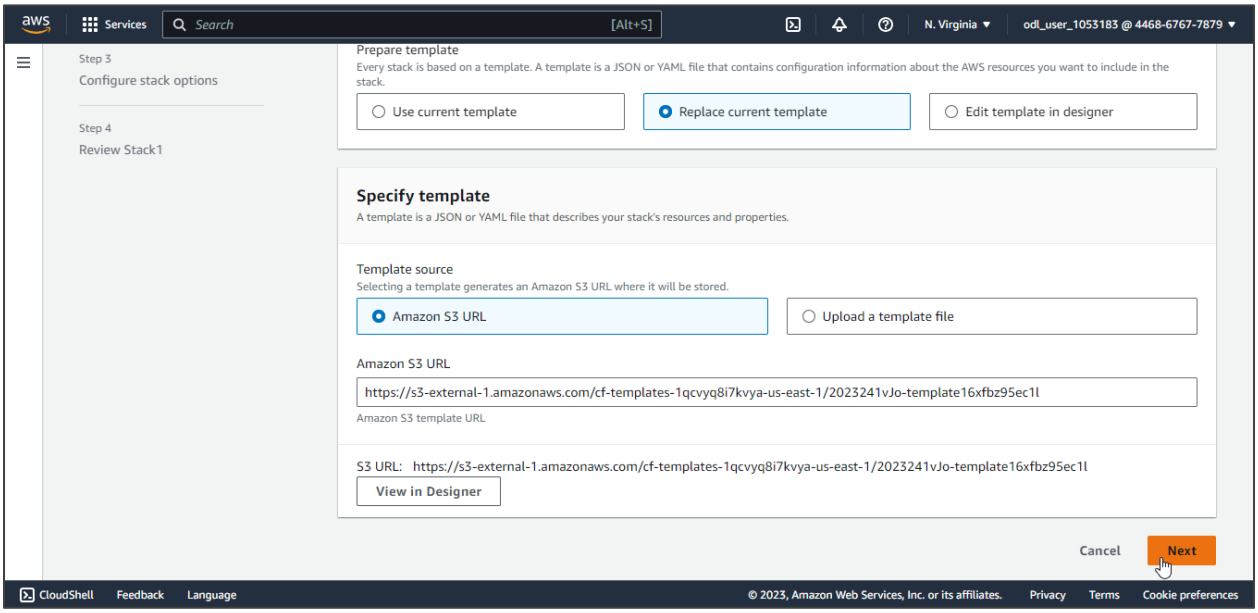
2.3 Select the first bucket and click on the delete icon to remove the bucket from the stack



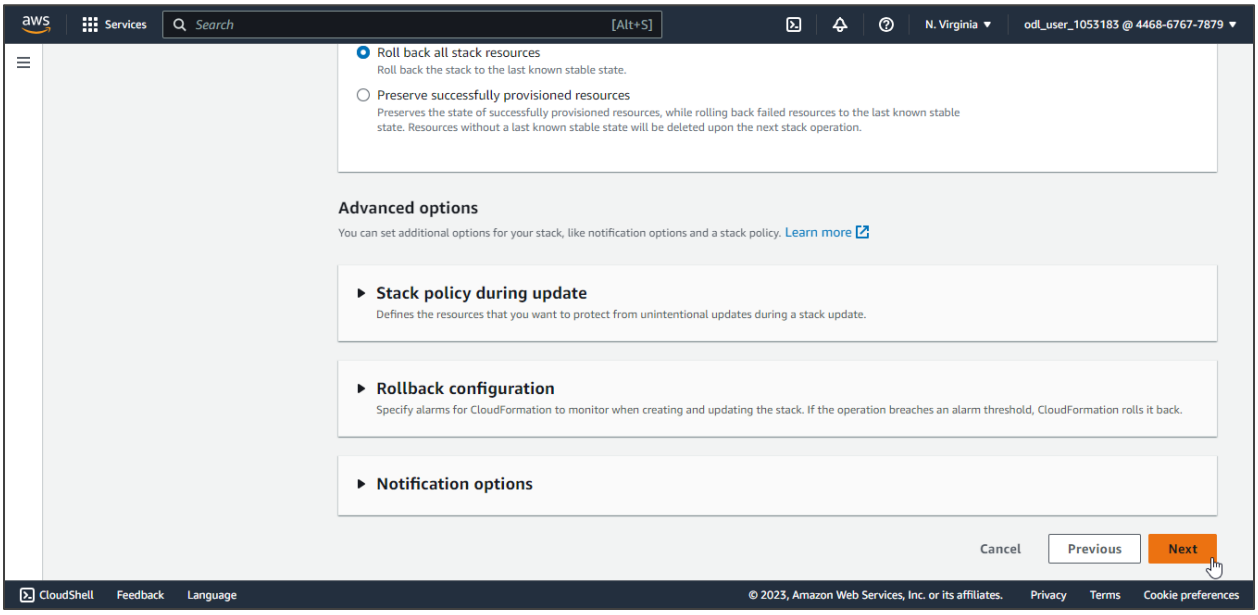
2.4 After deleting the bucket, click on the **Upload icon** to upload the template



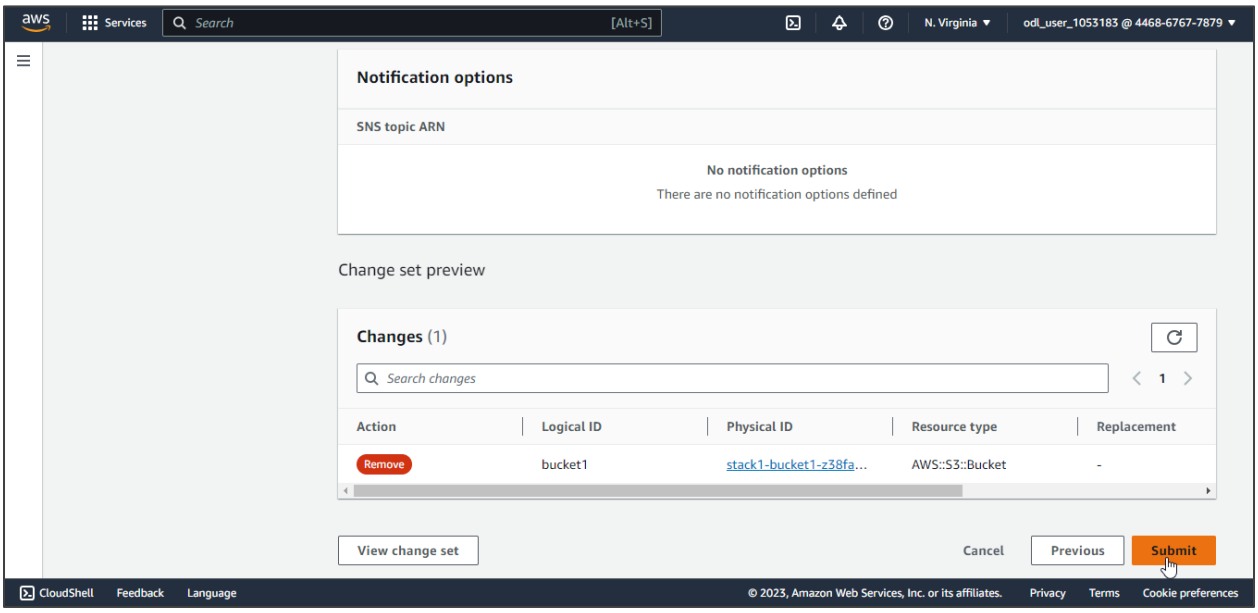
2.5 In the update stack section, click **Next**



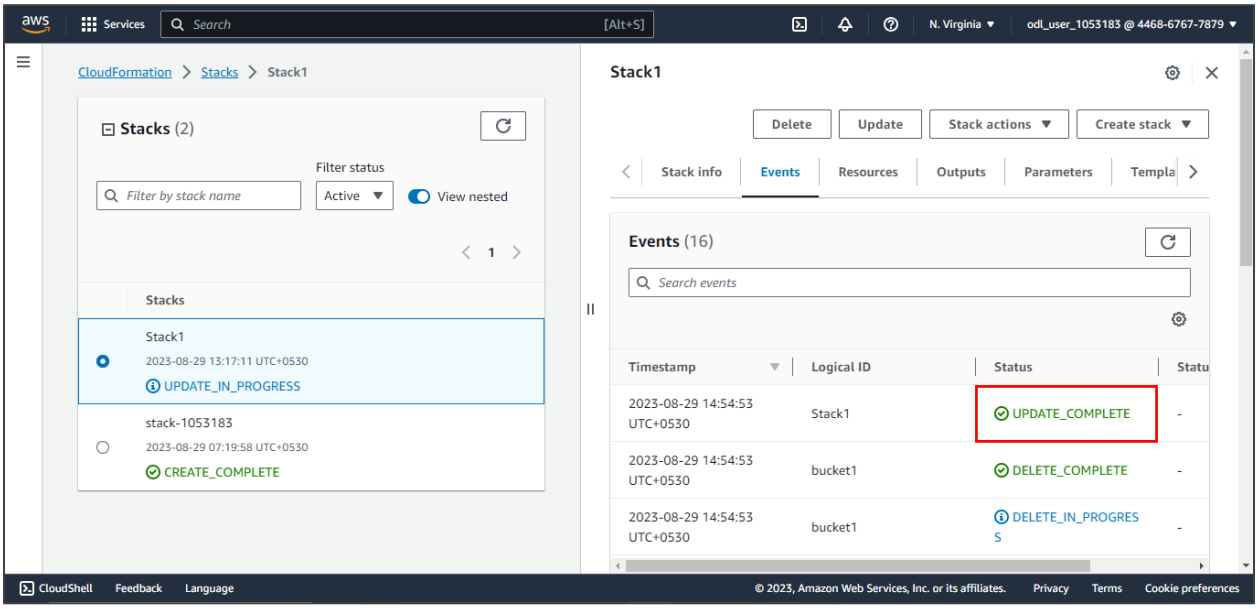
2.6 Proceed through **Specify stack details** and **Configure stack options** by clicking **Next** for each



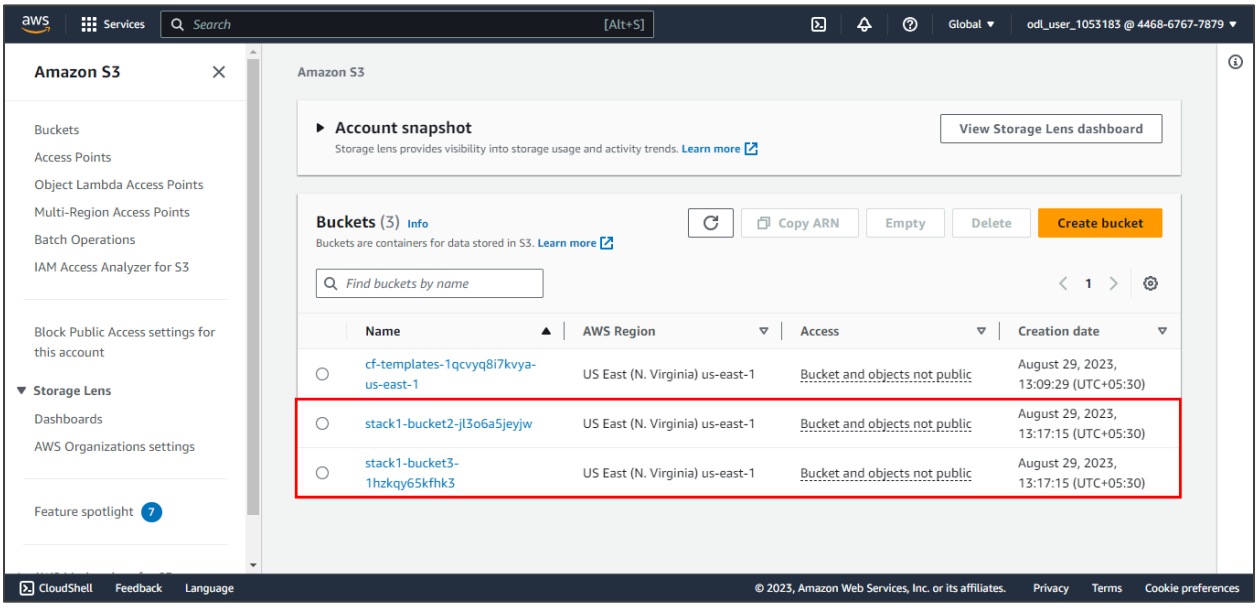
2.7 In the review section, click **Create stack**



2.8 After a few minutes, the status will change to **UPDATE_COMPLETE**



2.9 Return to the S3 bucket dashboard and refresh the page. You will notice that only the second and third buckets remain.



This indicates that the first bucket has been successfully deleted.

By following these steps, you have effectively updated the stack by removing one S3 bucket from it.