

Lesson 09 Demo 05

Updating an Existing Stack

Objective: To update an existing stack of an S3 bucket for maintaining and modifying

infrastructure

Tools required: AWS Management Console

Prerequisites: None

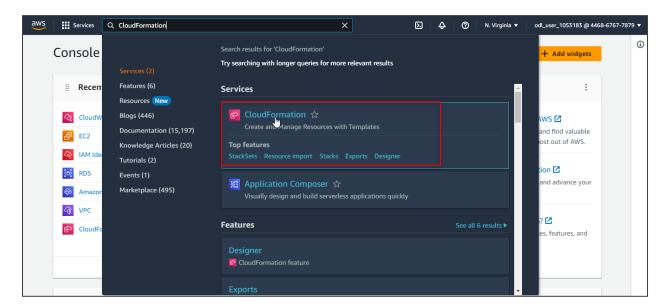
Steps to be followed:

1. Create an S3 bucket stack using CloudFormation Designer

2. Update an S3 bucket from the stack

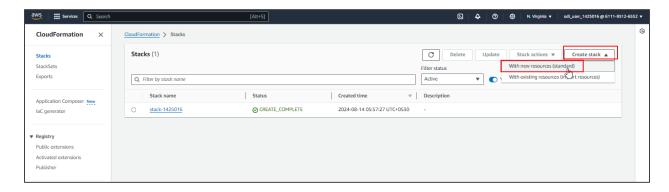
Step 1: Create an S3 bucket stack using CloudFormation Designer

1.1 Go to the AWS Management Console and select the AWS CloudFormation service

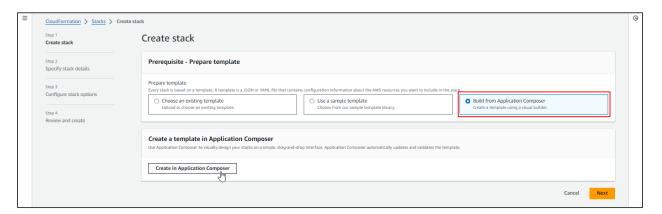




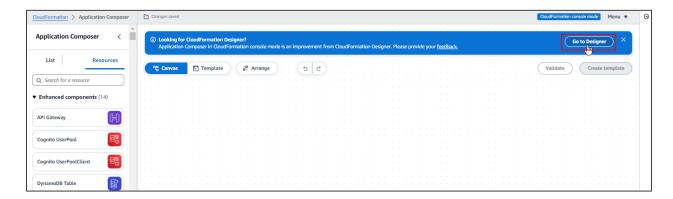
1.2 In the CloudFormation Management Console, click on **Create stack** and then select **With new resources (standard)**



1.3 In the Create stack console, choose the **Build from Application Composer** option and click **Create in Application Composer**



1.4 In the Application Composer, click on Go to Designer



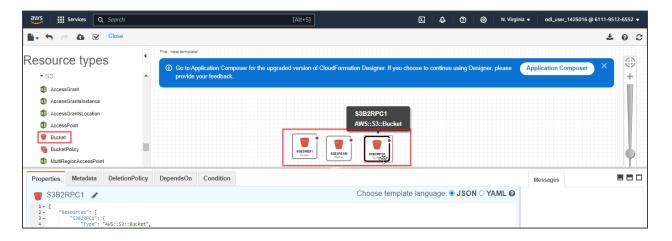
Note: Application Composer is the latest version of CloudFormation Designer. You may proceed with the Application Composer using steps similar to those of the Designer.



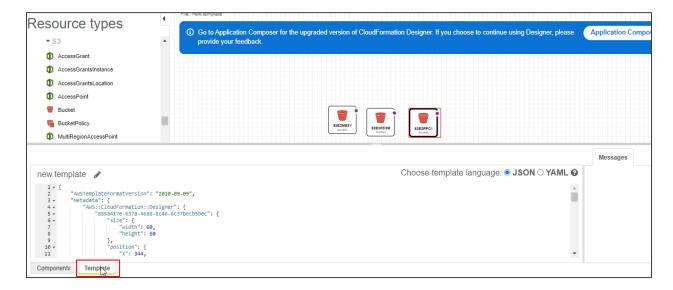
1.5 In the Template Designer, under Resource types, select S3 and click Bucket



1.6 Drag and drop three buckets from the resource pane to the right pane

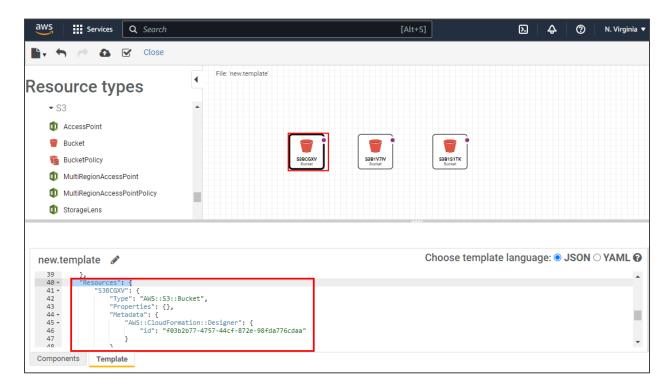


1.7 Go to the **Template** tab in the lower pane of the Template Designer

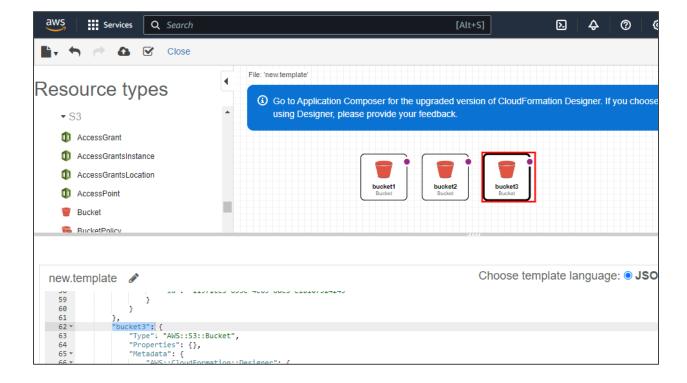




1.8 Edit the names of the buckets in the Resources section of the template

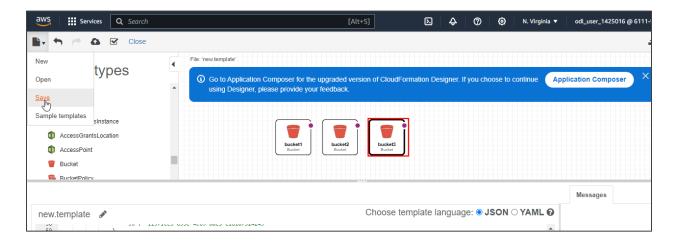


1.9 Enter desired names for the first, second, and third S3 bucket

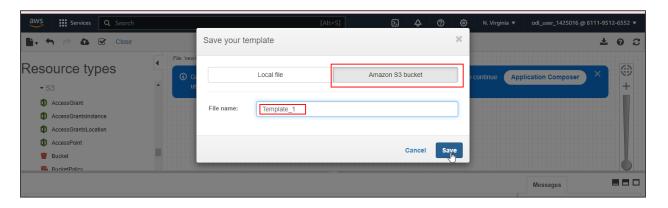


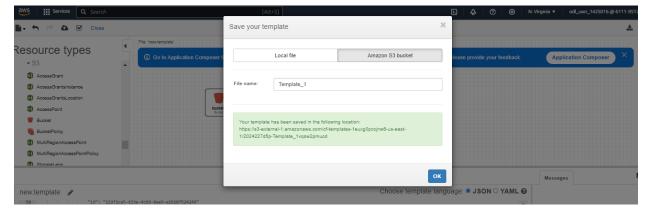


1.10 Save the template



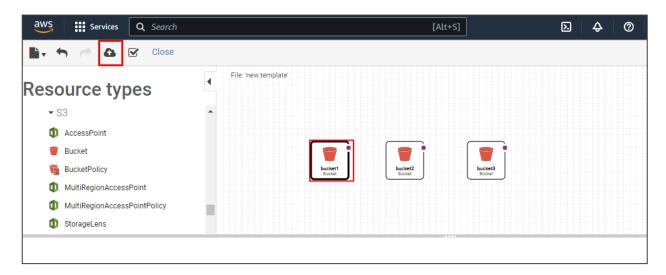
1.11 Select the Amazon S3 bucket option, provide the file name, and click Save





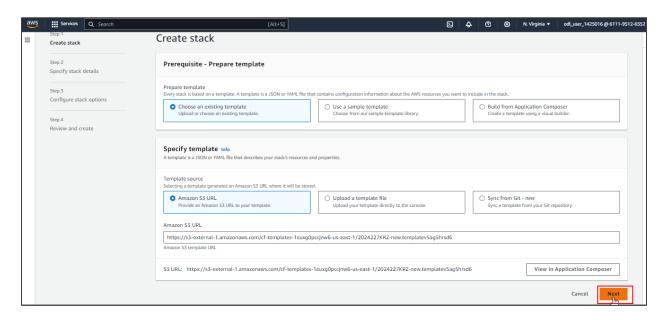


1.12 Click on the upload icon to upload the template file of the stack



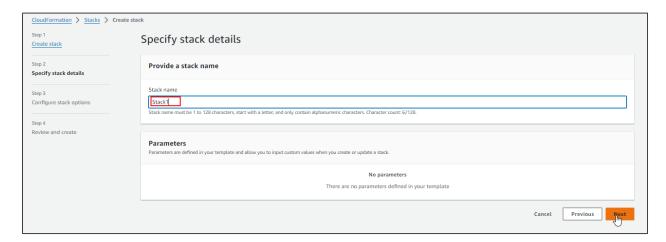
You will be redirected to the Create stack page.

1.13 click Next

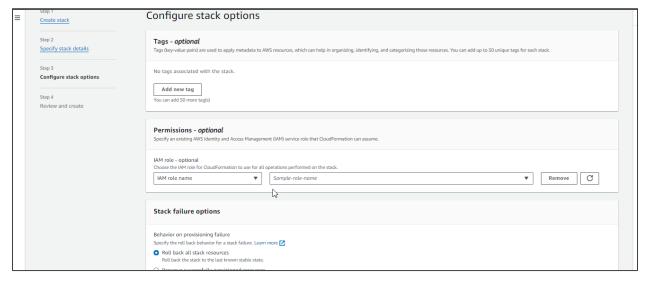


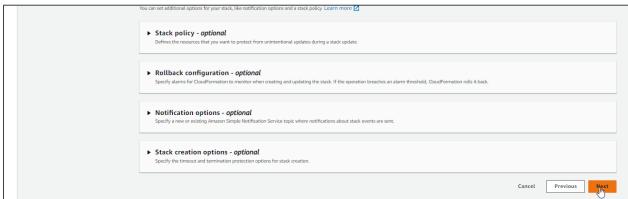


1.14 In the Specify stack details section, enter a name for the stack and click Next



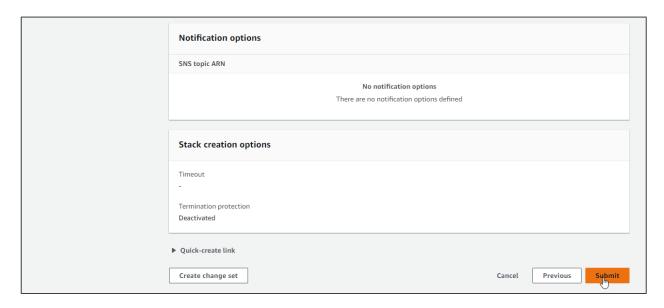
1.15 Keep all the default configurations in the Configure stack options page and click **Next**

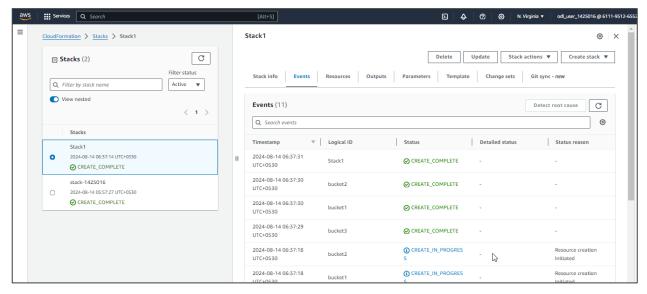






1.16 Review the configurations and click Submit

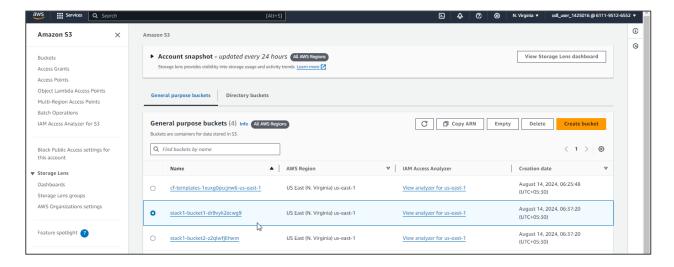




The stack is successfully created using a template designed in the GUI-based ClouldFormation Designer.



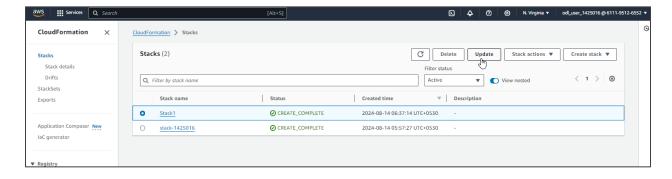
1.17 Go to the S3 bucket dashboard



You will find that all three buckets are created.

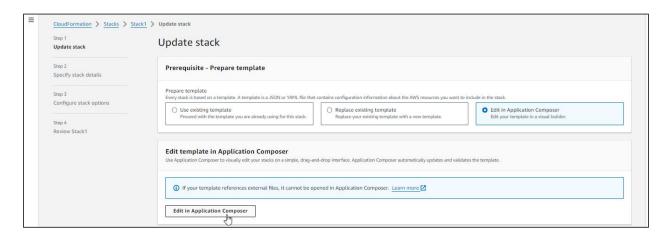
Step 2: Update an S3 bucket from the stack

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

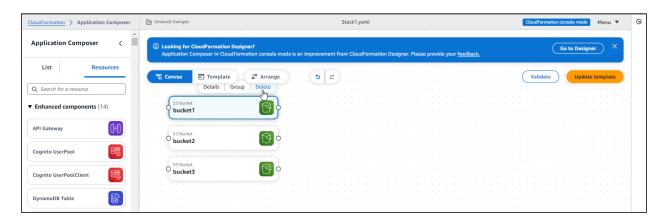




2.2 Select Edit in Application Composer and click on Edit in Application Composer

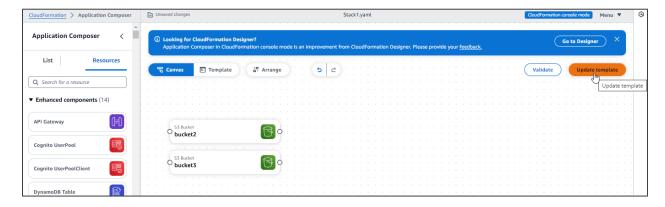


2.3 Select the first bucket and click on **Delete** to remove the bucket from the stack

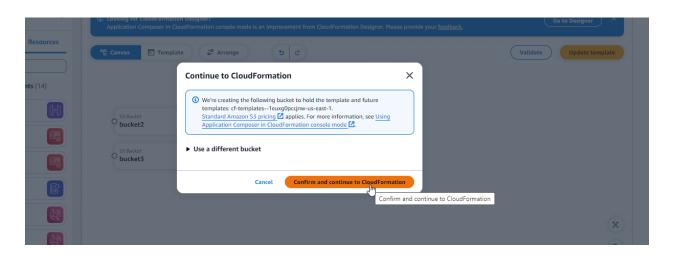


Note: You can also switch to CloudFormation Designer to perform any update operation.

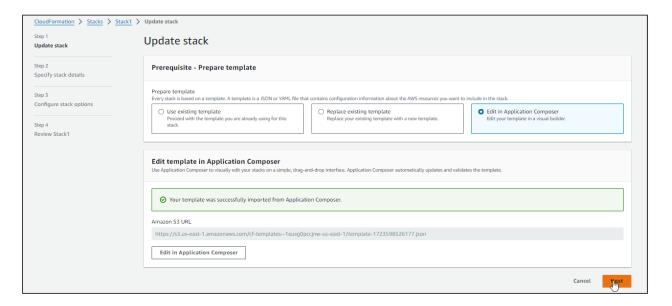
2.4 After deleting the bucket, click on the **Update template** and, select the **Confirm and continue to the CloudFormation** option



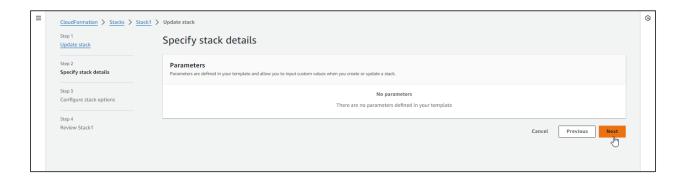




2.5 After successfully importing the updated stack template from the Application Composer, click **Next** to continue

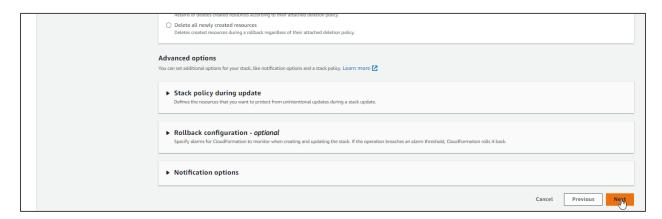


2.6 Click Next

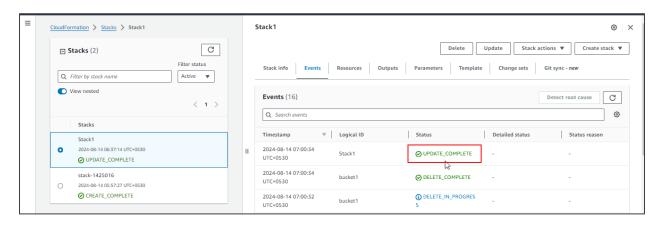




2.7 Review the configurations and click **Submit**

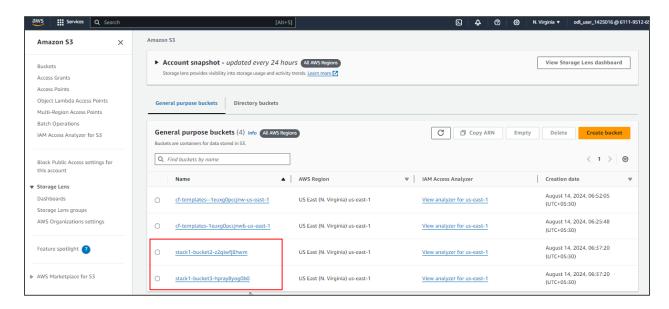


After a few minutes, the status will change to **UPDATE_COMPLETE**.





2.8 Navigate to the S3 bucket dashboard and refresh the page to verify the changes in the stack



This indicates that the first bucket has been successfully deleted.

By following these steps, you have successfully updated the stack by removing one S3 bucket to modify the infrastructure and maintain its efficiency.