

Lesson 09 Demo 06

Updating Input Parameters in an Existing Stack

Objective: To update input parameters in an existing CloudFormation stack for flexible and dynamic infrastructure management

Tools required: AWS Management Console

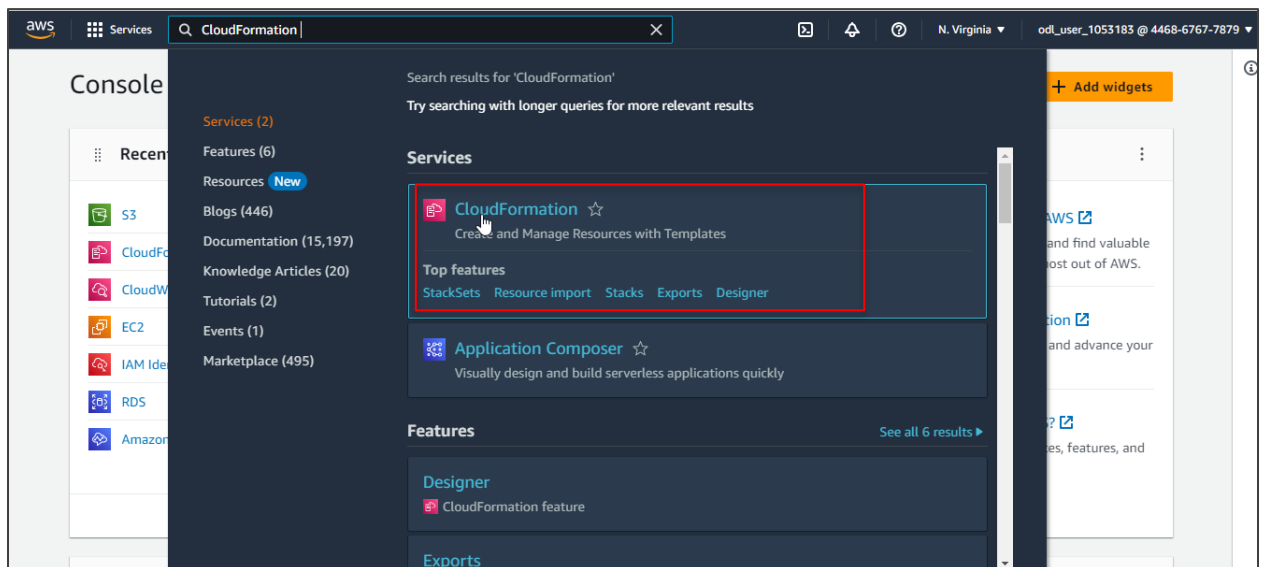
Prerequisites: An existing CloudFormation stack

Steps to be followed:

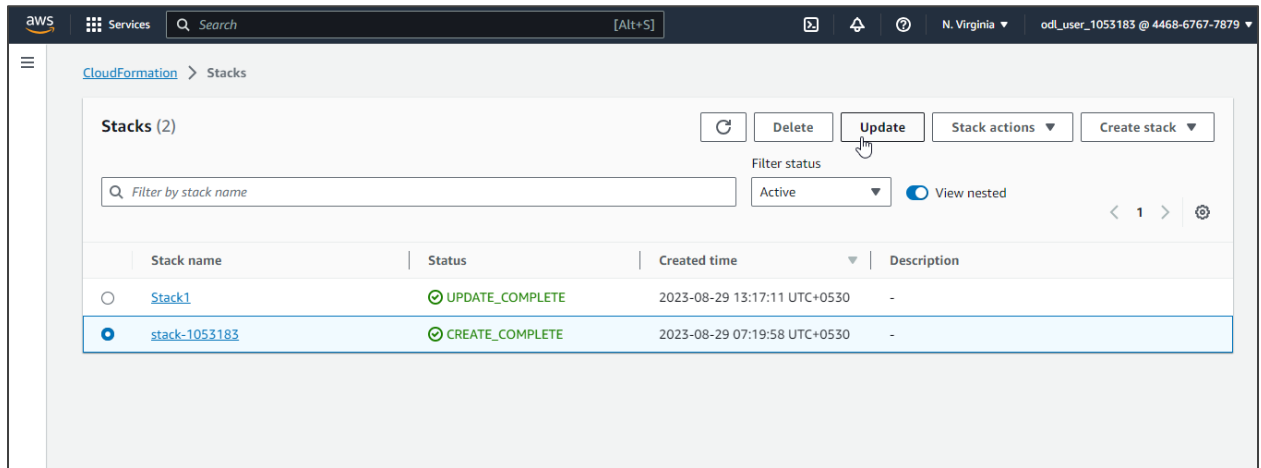
1. Update the template and test the updates

Step 1: Update the template and test the updates

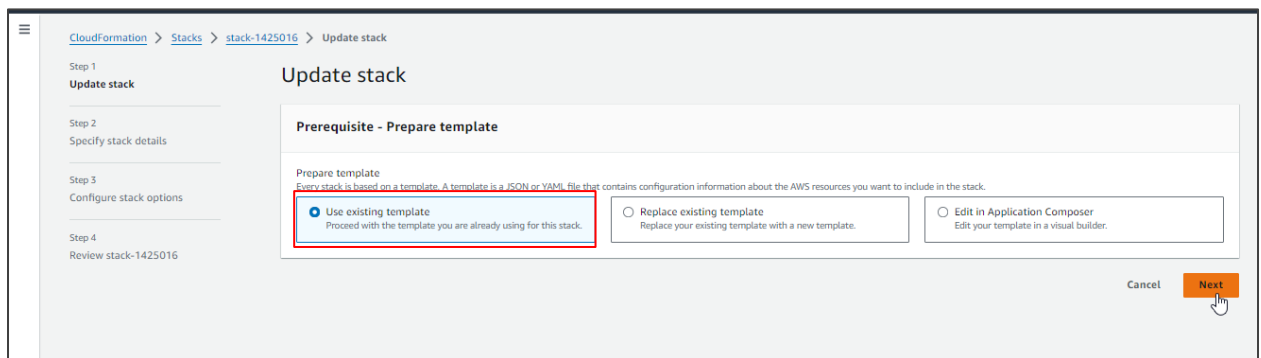
1.1 In the AWS Management Console, go to the AWS CloudFormation service



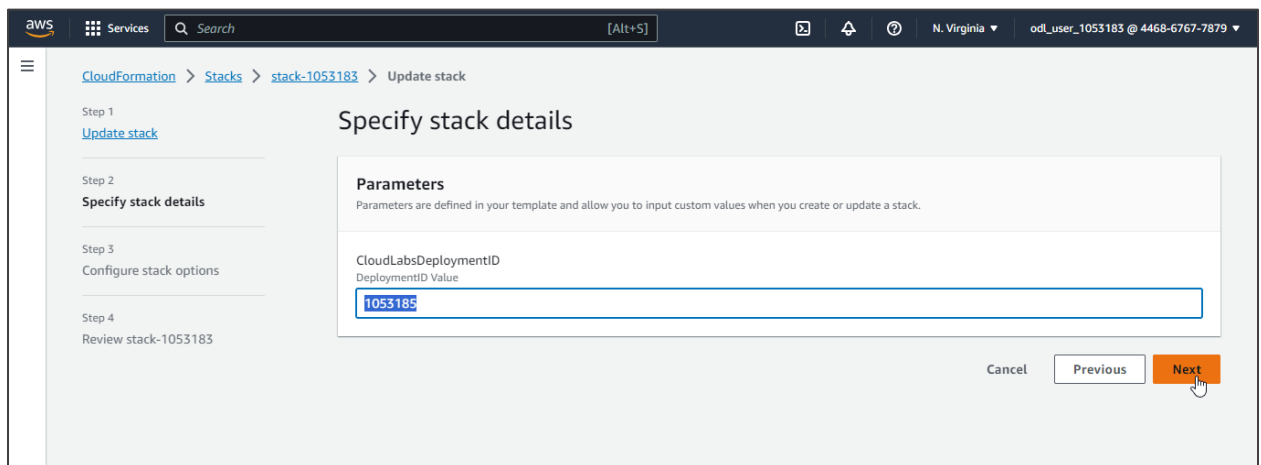
1.2 Select the existing stack and click **Update** to modify its parameters using the existing template



1.3 In the Update stack page, select **Use existing template** and click **Next**



1.4 Adjust the input parameters as required within the update process and click **Next**



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

Step 1

Update stack

Step 2

Specify stack details

Step 3

Configure stack options

Step 4

Review stack-1425016

Configure stack options

Tags - optional

Tags (key-value pairs) are used to apply metadata to AWS resources, which can help in organizing, identifying, and categorizing those resources. You can add up to 50 unique tags for each stack.

No tags associated with the stack.

[Add new tag](#)

You can add 50 more tag(s)

Permissions - optional

Specify an existing AWS Identity and Access Management (IAM) service role that CloudFormation can assume.

IAM role - optional

Choose the IAM role for CloudFormation to use for all operations performed on the stack.

[Remove](#)

Stack failure options

Behavior on provisioning failure

Specify the roll back behavior for a stack failure. [Learn more](#)

☒ Roll back all stack resources
 Roll back the stack to the last known stable state.

Use deletion policy

☒ Retains or deletes created resources according to their attached deletion policy.
☐ Delete all newly created resources
 Deletes created resources during a rollback regardless of their attached deletion policy.

Advanced options

You can set additional options for your stack, like notification options and a stack policy. [Learn more](#)

► **Stack policy during update**

Defines the resources that you want to protect from unintentional updates during a stack update.

► **Rollback configuration - optional**

Specify alarms for CloudFormation to monitor when creating and updating the stack. If the operation breaches an alarm threshold, CloudFormation rolls it back.

► **Notification options**

[Cancel](#)
[Previous](#)
[Next](#)

1.6 Review the configurations and click **Submit**

Action	Logical ID	Physical ID	Resource type	Replacement	Module	How
No changes						
There are no resources to be changed						

Capabilities

The following resource(s) require capabilities: [AWS::IAM::ManagedPolicy]

This template contains Identity and Access Management (IAM) resources. Check that you want to create each of these resources and that they have the minimum required permissions. In addition, they have custom names. Check that the custom names are unique within your AWS account. [Learn more](#)

☒ I acknowledge that AWS CloudFormation might create IAM resources with custom names.

[View change set](#)
[Cancel](#)
[Previous](#)
[Submit](#)

The screenshot shows the AWS CloudFormation console for stack-1053183. The left sidebar shows a list of stacks, with 'stack-1053183' selected. The main panel shows the 'Events' tab for this stack. The events table shows the following data:

Timestamp	Logical ID	Status	Status Message
2023-08-29 15:50:46 UTC+0530	stack-1053183	UPDATE_IN_PROGRESS	User initiated update
2023-08-29 07:20:18 UTC+0530	stack-1053183	CREATE_COMPLETE	
2023-08-29 07:20:17 UTC+0530	UserPolicy	CREATE_COMPLETE	

You must wait till the status changes to **UPDATE_COMPLETE**.

The screenshot shows the AWS CloudFormation console for stack-1053183. The left sidebar shows a list of stacks, with 'stack-1053183' selected. The main panel shows the 'Events' tab for this stack. The events table shows the following data:

Timestamp	Logical ID	Status	Status Message
2023-08-29 15:50:50 UTC+0530	stack-1053183	UPDATE_COMPLETE	
2023-08-29 15:50:50 UTC+0530	stack-1053183	UPDATE_COMPLETE_CLEANUP_IN_PROGRESS	
2023-08-29 15:50:46 UTC+0530	stack-1053183	UPDATE_IN_PROGRESS	User initiated update

By following these steps, you have successfully updated input parameters in an existing CloudFormation stack for flexible and dynamic infrastructure management.