

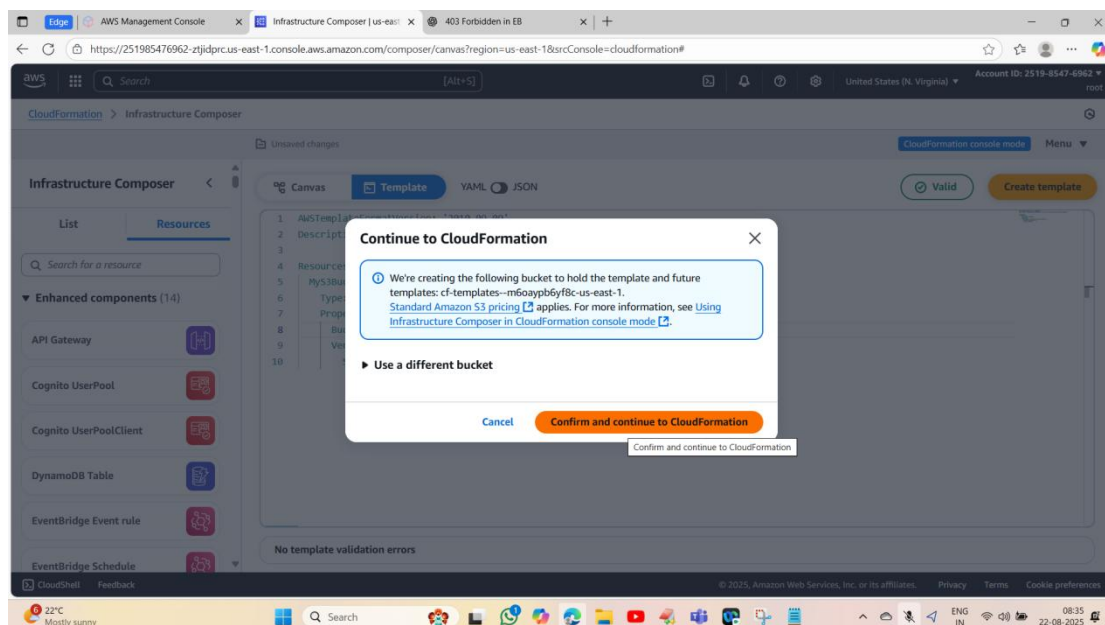
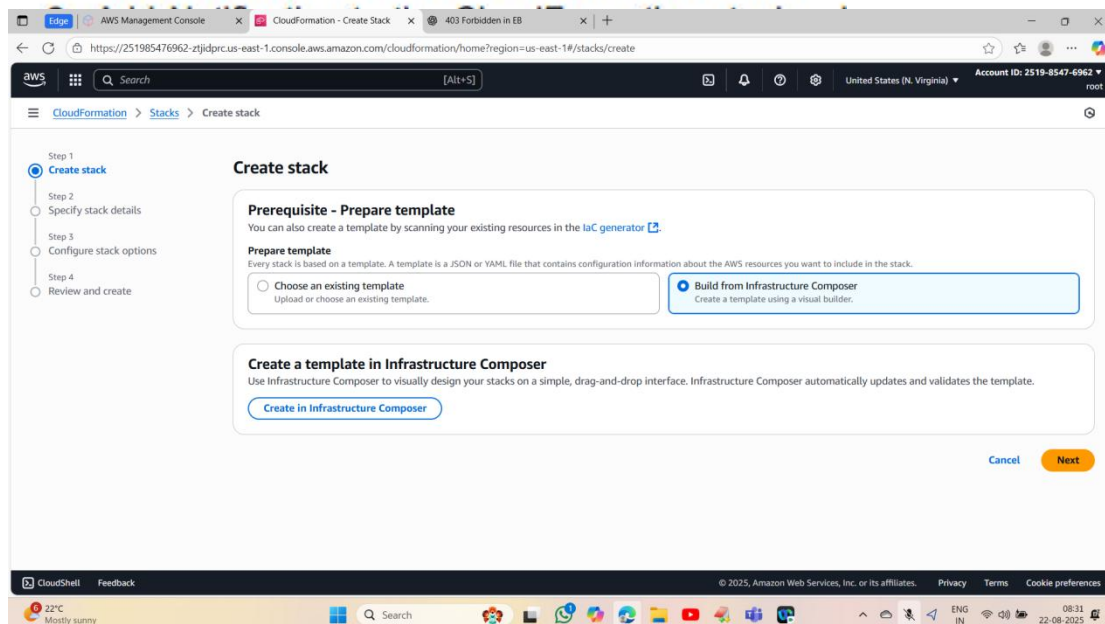
## Problem Statement:

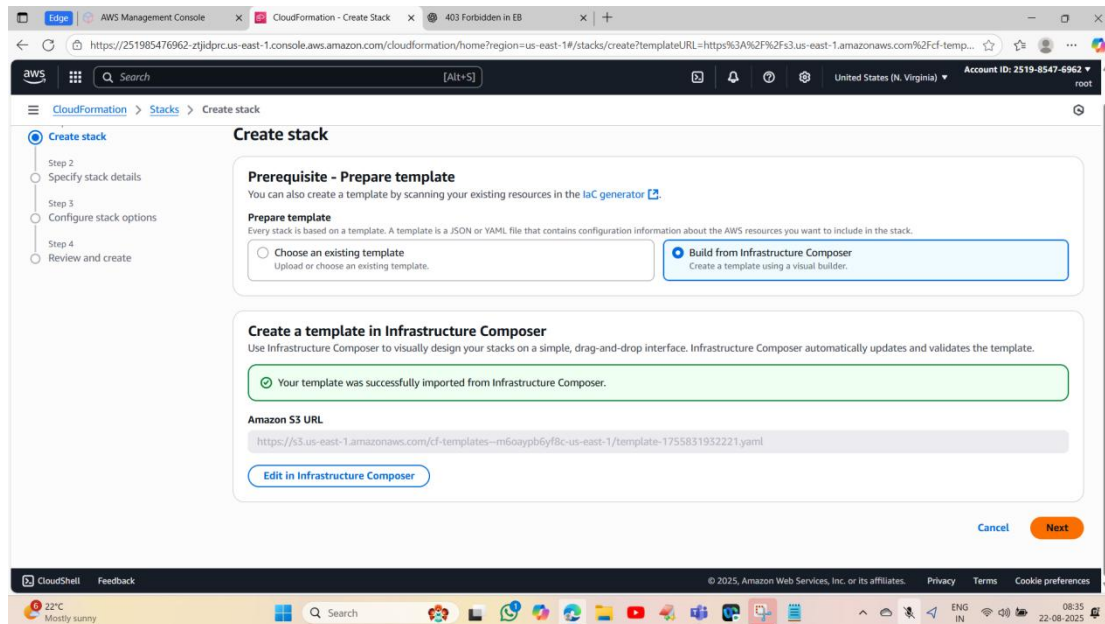
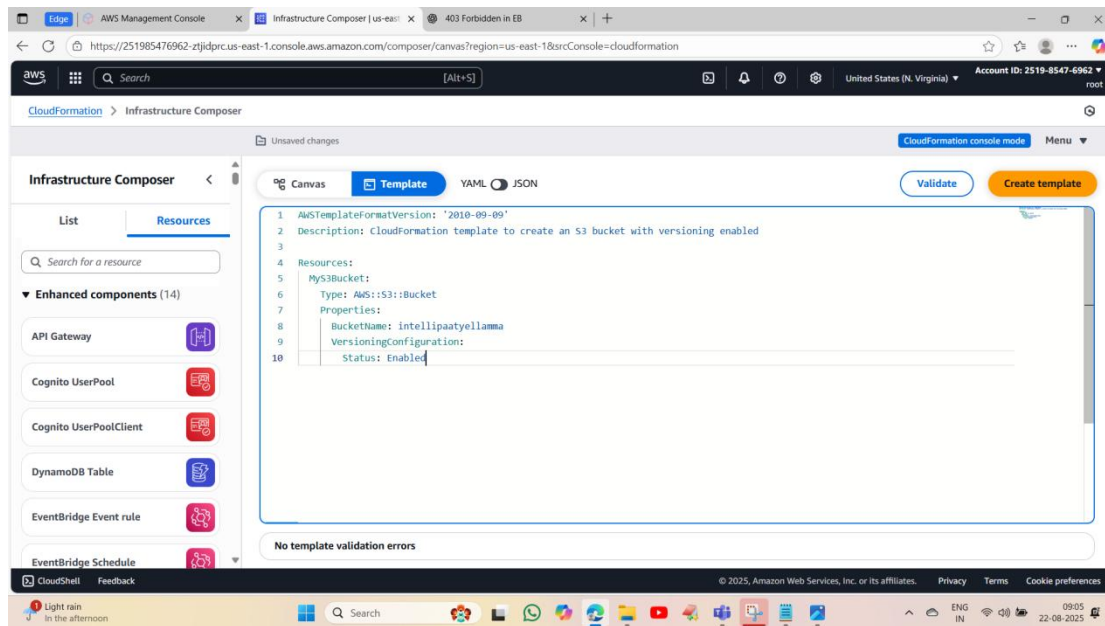
You work for XYZ Corporation. Your team is asked to deploy similar architecture multiple times for testing, development, and production purposes. Implement CloudFormation for the tasks assigned to you below.

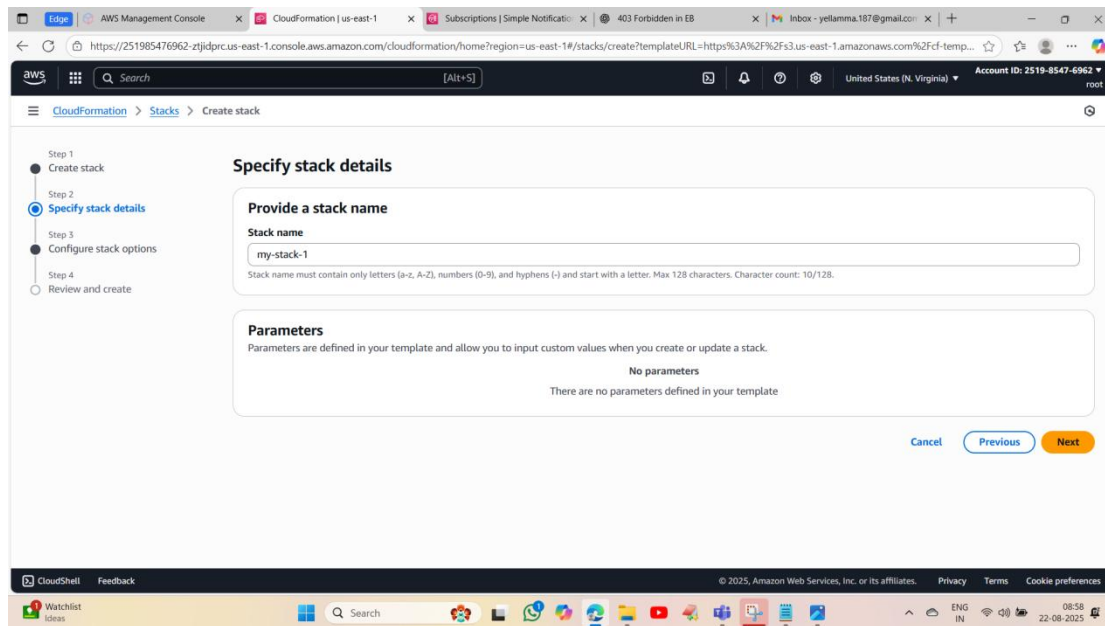
## Tasks To Be Performed:

1. Use the template from CloudFormation task 1.
2. Add Notification to the CloudFormation stack using SNS so that you get a notification via mail for every step of the stack creation process.

### 1. Use the template from CloudFormation task 1.

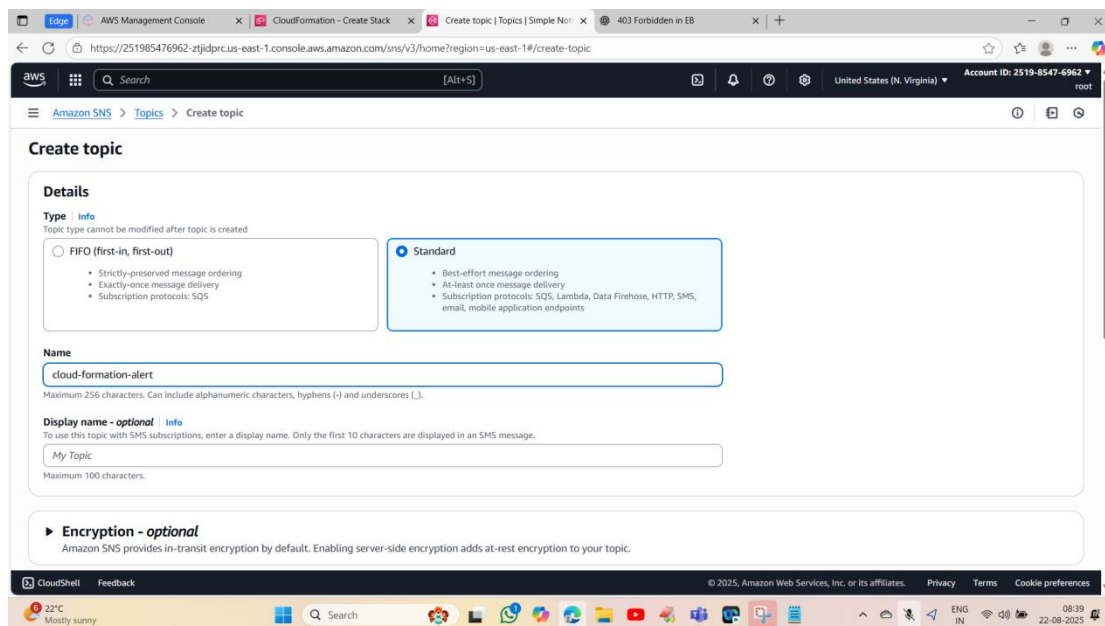






2. Add Notification to the CloudFormation stack using SNS so that you get a notification via mail for every step of the stack creation process.

## Create SNS Topic



## Create Subscription

The screenshot shows the 'Create subscription' page in the AWS Management Console. The breadcrumb navigation is 'Amazon SNS > Subscriptions > Create subscription'. The page has a 'Details' section with the following fields:

- Topic ARN:** A text input field containing 'arn:aws:sns:us-east-1:251985476962:cloud-formation-alert'.
- Protocol:** A dropdown menu with 'Email' selected.
- Endpoint:** A text input field containing 'yellamma.187@gmail.com'.

Below the fields, there is a blue box with the text: 'After your subscription is created, you must confirm it. info'. Further down, there are two expandable sections: 'Subscription filter policy - optional info' and 'Redrive policy (dead-letter queue) - optional info'.

The screenshot shows the 'Create stack' page in the AWS Management Console. The breadcrumb navigation is 'CloudFormation > Stacks > Create stack'. The page has several expandable sections:

- Stack policy - optional:** 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 - optional:** Specify a new or existing Amazon Simple Notification Service topic where notifications about stack events are sent. This section includes a sub-section 'SNS topic ARN - optional' with a dropdown menu containing 'arn:aws:sns:us-east-1:251985476962:cloud-formation-alert'. Below the dropdown are two buttons: 'Add SNS topic' and 'Create new SNS topic'.
- Stack creation options - optional:** Specify the timeout and termination protection options for stack creation.

At the bottom right of the page, there are three buttons: 'Cancel', 'Previous', and 'Next'.

Cloud Formation Stack Create in Progress Notification

AWS CloudFormation Notification

Inbox x

AWS Notifications

to me

8:59 AM (0 minutes ago)

☆

😊

StackId='arn:aws:cloudformation:us-east-1:251985476962:stack/my-stack-1/295508f0-7f08-11f0-b9e3-1288ee7c0f61'

Timestamp='2025-08-22T03:29:07.925Z'

EventId='295752e0-7f08-11f0-b9e3-1288ee7c0f61'

LogicalResourceId='my-stack-1'

Namespace='251985476962'

PhysicalResourceId='arn:aws:cloudformation:us-east-1:251985476962:stack/my-stack-1/295508f0-7f08-11f0-b9e3-1288ee7c0f61'

PrincipalId='251985476962'

ResourceProperties='null'

ResourceStatus='CREATE\_IN\_PROGRESS'

ResourceStatusReason='User Initiated'

DetailedStatus=''

ResourceType='AWS::CloudFormation::Stack'

StackName='my-stack-1'

ClientRequestToken='Console-CreateStack-2705e675-4899-e9fa-c4a4-29de995b9cc6'

--

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:

<https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:251985476962:cloud-formation-alert-ddc90147-706f-42d8-89a8-53593e8c32e5&Endpoint=yellamma.187@gmail.com>

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

Edge

AWS Management Console

Stacks | CloudFormation | us-east-1

S3 buckets | S3 | us-east-1

403 Forbidden in EB

AWS CloudFormation Notification

https://251985476962-ztjdprc.us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/stacks?filteringStatus=active&filteringText=8stackId=arn%3Aaws%3Acloudformation%3A...

Search

[Alt+S]

United States (N. Virginia)

Account ID: 2519-8547-6962

root

CloudFormation

Stacks

Stacks (2)

Filter by stack name

Filter status

Active

View nested

Stack name

Status

Created time

Description

my-stack-1

CREATE\_COMPLETE

2025-08-22 08:59:07 UTC+0530

CloudFormation template to create an S3 bucket with versioning enabled

awseb-e-arnqjufsn2-stack

UPDATE\_COMPLETE

2025-08-22 07:57:53 UTC+0530

AWS Elastic Beanstalk environment (Name: 'Abc-php-app-env' Id: 'e-arnqjufsn2')

CloudShell

Feedback

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Cookie preferences

22°C

Partly sunny

Search

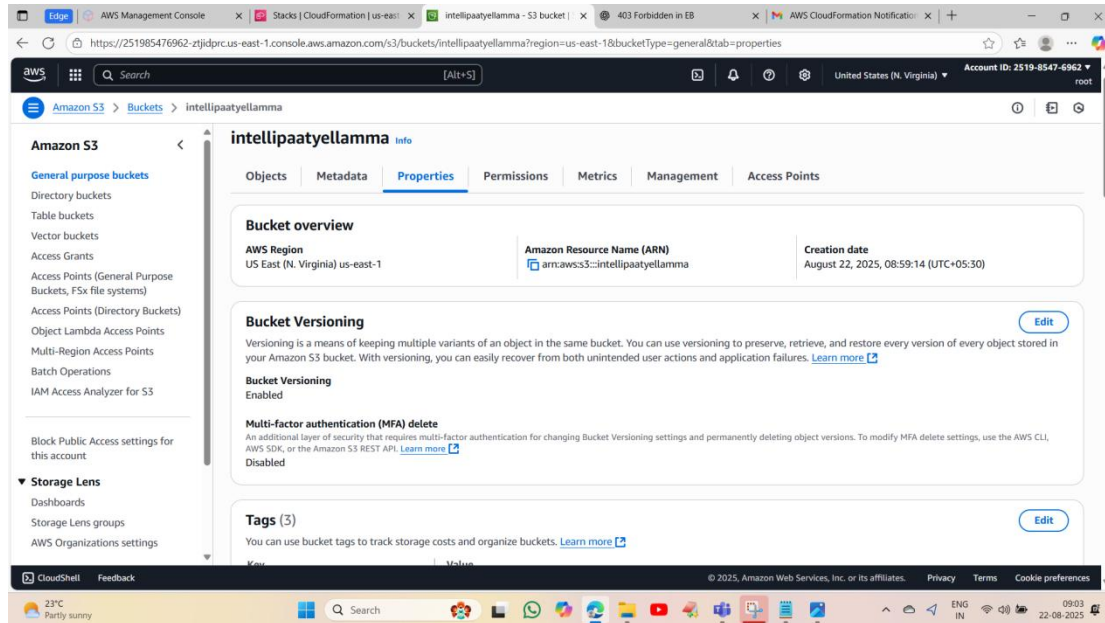
ENG

IN

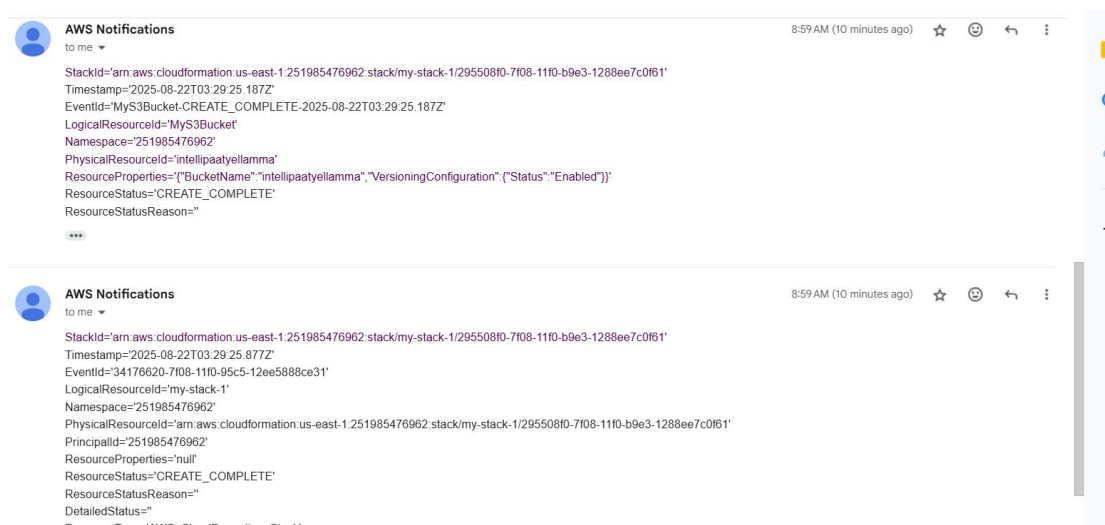
09:02

22-08-2025





## Create Complete and S3 Bucket Version Enable Notifications



# Cloud Formation Stack deletion-Notification



**AWS Notifications**

9:12 AM (0 minutes ago)

to me ▾

StackId='arn:aws:cloudformation:us-east-1:251985476962:stack/my-stack-1/295508f0-7f08-11f0-b9e3-1288ee7c0f61'  
Timestamp='2025-08-22T03:42:31.403Z'  
EventId='084e38f0-7f0a-11f0-b381-0ed7e3dd6179'  
LogicalResourceId='my-stack-1'  
Namespace='251985476962'  
PhysicalResourceId='arn:aws:cloudformation:us-east-1:251985476962:stack/my-stack-1/295508f0-7f08-11f0-b9e3-1288ee7c0f61'  
PrincipalId='251985476962'  
ResourceProperties='null'  
ResourceStatus='DELETE\_COMPLETE'  
ResourceStatusReason=''  
DetailedStatus=''  
ResourceType='AWS::CloudFormation::Stack'

\*\*\*

↩ Reply

➡ Forward

