# AMAZON-CLOUDFORMATION: CloudFormation create s3 & SNS
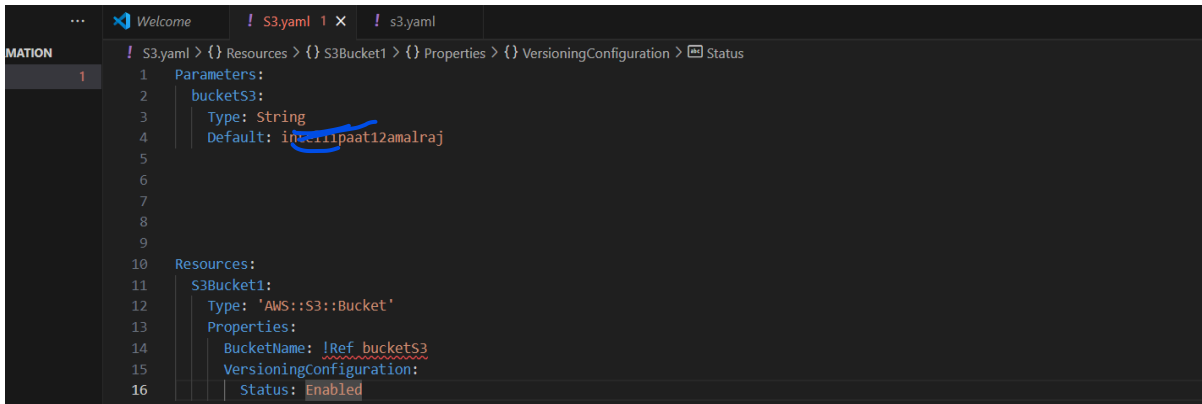
## Problem Statement:

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.

# Solution:

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.
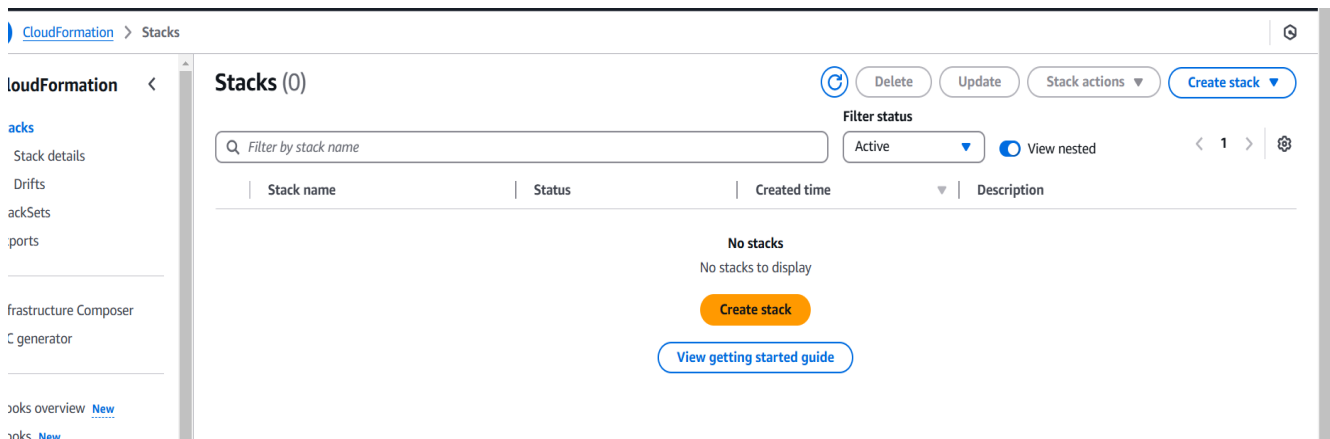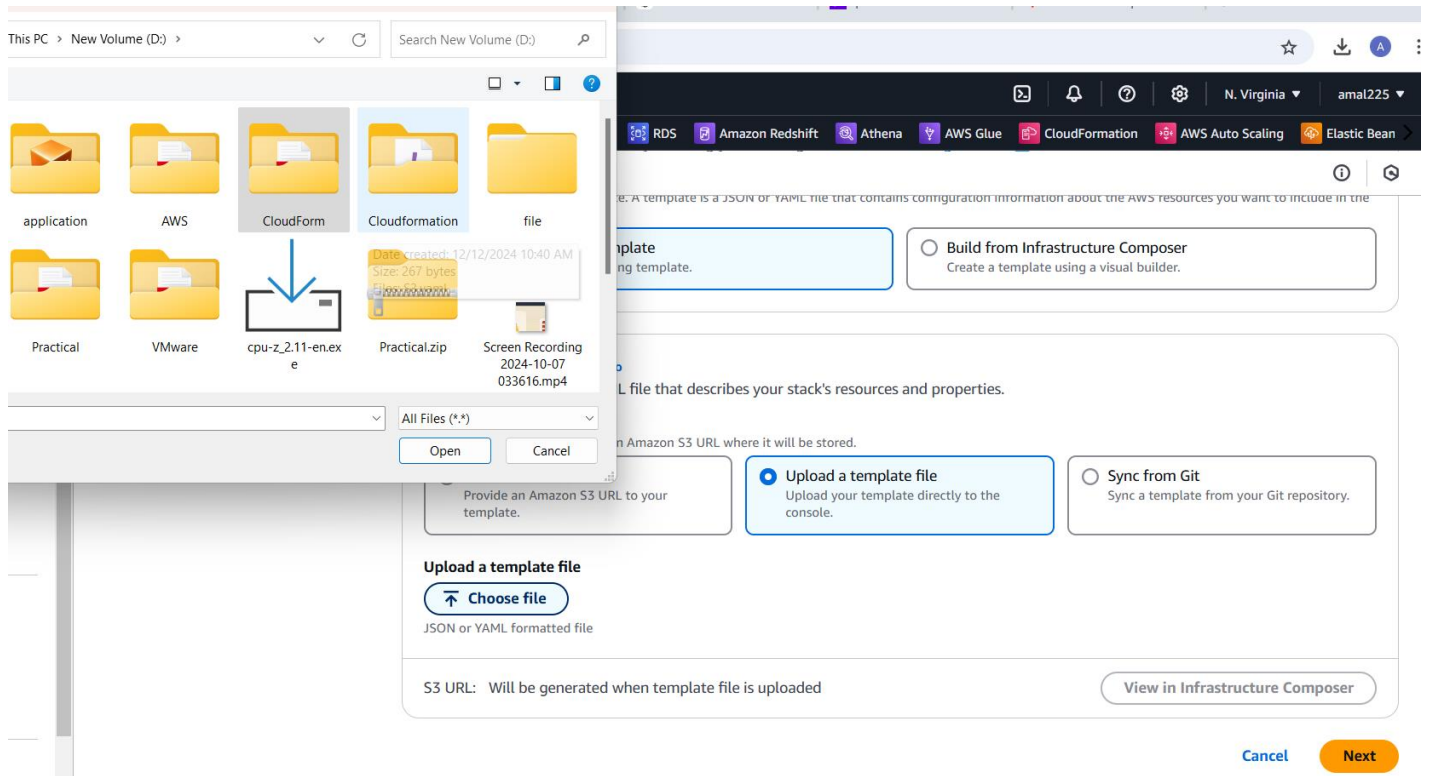
This PC  >  New Volume (D:)  >

Search New Volume (D:)

application   AWS   CloudForm   Cloudformation   file

Practical   VMware   cpu-z_2.11-en.exe   Practical.zip   Screen Recording 2024-10-07 033616.mp4

Date created: 12/12/2024 10:40 AM
Size: 267 bytes

All Files (*.*)

Open     Cancel

RDS    Amazon Redshift    Athena    AWS Glue    CloudFormation    AWS Auto Scaling    Elastic Bean

e. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in the

mplate
ng template.

○ Build from Infrastructure Composer
Create a template using a visual builder.

L file that describes your stack's resources and properties.

n Amazon S3 URL where it will be stored.

Provide an Amazon S3 URL to your template.

● Upload a template file
Upload your template directly to the console.

○ Sync from Git
Sync a template from your Git repository.

**Upload a template file**

⤒ Choose file

JSON or YAML formatted file

S3 URL:   Will be generated when template file is uploaded

View in Infrastructure Composer

Cancel     Next

# Specify stack details

## Provide a stack name

**Stack name**

s3bucketcreate

Stack name must be 1 to 128 characters, start with a letter, and only contain alphanumeric characters. Character count: 14/128.

## Parameters

Parameters are defined in your template and allow you to input custom values when you create or update a stack.

**bucketS3**

intellipaat12amalraj

Cancel     Previous     Next

# Create new SNS topic                                      ✕

This will create a Simple Notification System (SNS) topic. The email address specified here will be used for the SNS endpoint value.

**SNS topic name**

```
s3bucketcraete
```

**Email address**

```
raj_____2205@gmail.com
```

Cancel          **Create SNS topic**

Create new SNS topic

---

▼ **Notification options - *optional***

Specify a new or existing Amazon Simple Notification Service topic where notifications about stack events are sent.

**SNS topic ARN - optional**

```
arn:aws:sns:us-east-1:050451395918:s3bucketcraete        ▼
```

**Add SNS topic**

**Create new SNS topic**

---

▶ **Stack creation options - *optional***

Specify the timeout and termination protection options for stack creation.

---

Cancel     Previous     **Next**

There are no notification options defined

## on options

tection

## e link

links to get stacks up and running quickly from the AWS CloudFormation console with the same basic configuration as this
RL on the link to share. Learn more ↗

reate link ↗

t                                                                    Cancel        Previous        **Submit**

---

**Stacks** (1)                                    ⟳

🔍 Filter by stack name

ter status

ctive              ▼          ⬤ View nested

                              ‹  1  ›

| Stacks

**s3bucketcreate**
2024-12-12 12:29:27 UTC+0530
ⓘ CREATE_IN_PROGRESS

---

**s3bucketcreate**                                                                          ⚙

                    Delete      Update      Stack actions ▼      Create stack ▼

‹   Stack info      **Events - updated**      Resources      Outputs      Parameters      Template      Ch  ›

                                                        Table view      Timeline view - new

**Events** (3)                                          View root cause    ⟳

🔍 Search events                                                                             ⚙

| Timestamp ▼ | Logical ID | Status | Detailed status | S |
|---|---|---|---|---|
| 2024-12-12 12:29:31 UTC+0530 | S3Bucket1 | ⓘ CREATE_IN_PROGRESS | - | |
| 2024-12-12 12:29:29 UTC+0530 | S3Bucket1 | ⓘ CREATE_IN_PROGRESS | - | |
| 2024-12-12 12:29:27 UTC+0530 | s3bucketcreate | ⓘ CREATE_IN_PROGRESS | - | |

✓ SNS topic arn:aws:sns:us-east-1:050451395918:s3bucketcraete was created successfully. ✕

## ⊟ **Stacks** (1) ↻

🔍 Filter by stack name

**Filter status**

Active ▼          ⬤ View nested

◁ **1** ▷

| Stacks

⬤ **s3bucketcreate**
   2024-12-12 12:49:01 UTC+0530

---

**s3bucketcreate**

Delete | Update | Stack actions ▼

**Stack info** | Events - updated | Resources | Outputs | Parameters | Te

---

### Overview

**Stack ID**
⬚ arn:aws:cloudformation:us-east-1:050451395918:stack/s3bucketcreate/5c559f10-b859-11ef-98d4-0e394910601b ↗

**Description**
-

**Status**
✓ CREATE_COMPLETE

**Detailed status**
-

**Status reason**

**Root stack**

-