Assignment 3

Cloud Formation SNS

Problem Statement:

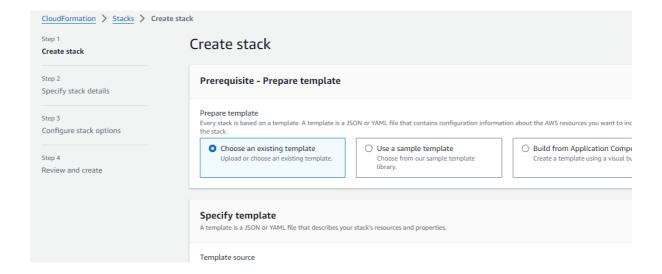
You work for XYZ Corporation. Your team is asked to deploy similar architecture multiple times for testing, development, and production purposes. Implement CloudFormation for the tasks assigned to you below. Tasks to be Performed:

- 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

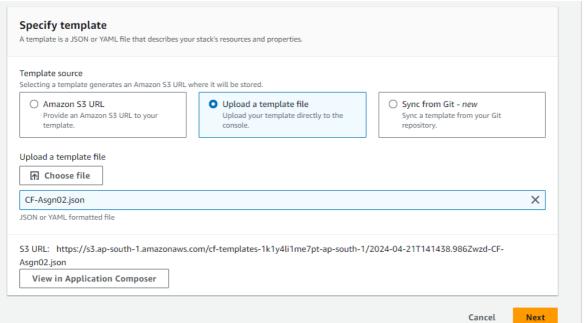
```
"AWSTemplateFormatVersion": "2010-09-09",
3
        "Parameters": {
4
           "s3bucketname": {
              "Type": "String"
5
 6
7
            "NotificationEmail": {
             "Type": "String",
8
               "Description": "Email address to receive notifications"
9
10
11
        "Resources": {
12
            "s3": {
13
               "Type": "AWS::S3::Bucket",
14
15
               "Properties": {
16
                   "BucketName": {
                    "Ref": "s3bucketname"
17
                    "VersioningConfiguration": {
```

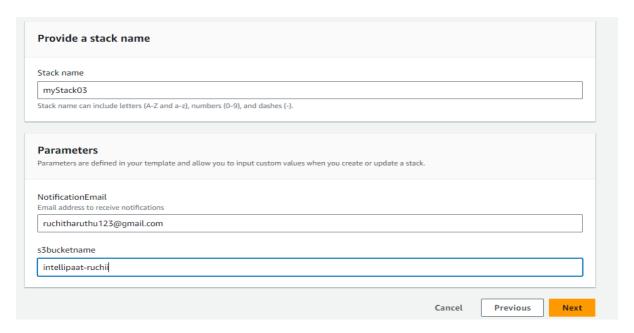
```
20
                         "Status": "Enabled"
21
22
23
             "SNSTopic": {
24
                 "Type": "AWS::SNS::Topic",
25
                 "Properties": {
26
                     "Subscription": [
27
28
                             "Endpoint": {
29
                                "Ref": "NotificationEmail"
30
31
                             "Protocol": "email"
32
33
34
35
36
             },
             "StackSNSTopicPolicy": {
37
                 "Type": "AWS::SNS::TopicPolicy",
38
                 "Properties": {
39
```

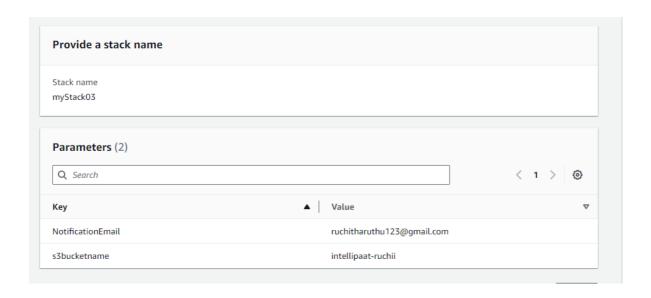
```
40
                     "PolicyDocument": {
                         "Version": "2012-10-17",
41
42
                         "Statement": [
43
                                "Effect": "Allow",
44
                                "Principal": "*",
45
                                "Action": "sns:Publish",
46
47
                                "Resource": {
                                    "Ref": "SNSTopic"
48
49
                                },
50
                                 "Condition": {
                                    "ArnEquals": {
51
                                        "AWS:SourceArn": {
52
53
                                            "Ref": "AWS::AccountId"
54
55
56
57
58
                         ]
59
```

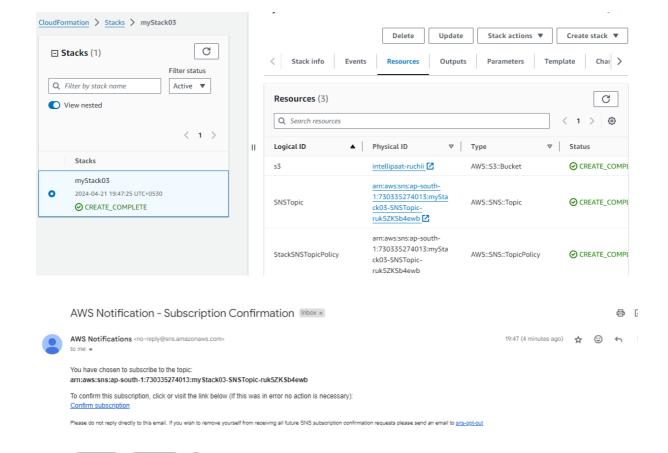






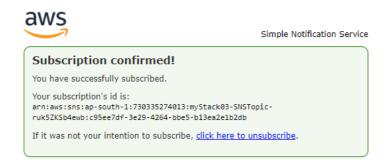


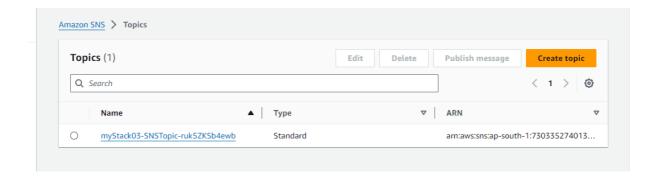




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SQS and **SES** assignment

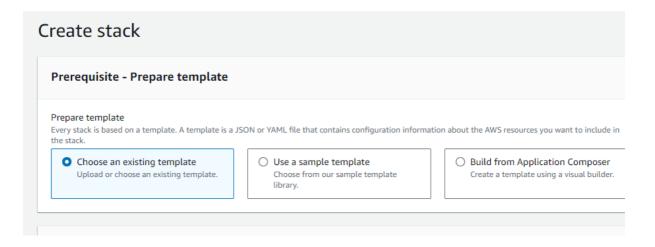
Problem Statement:

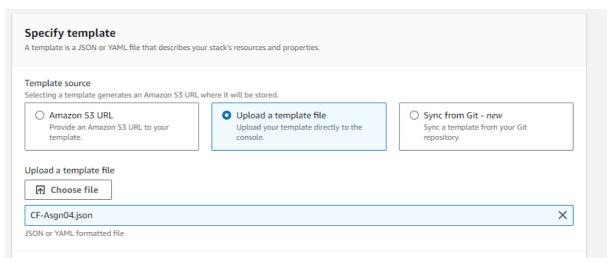
You work for XYZ Corporation. Your team is asked to deploy similar architecture multiple times for testing, development, and production purposes. Implement CloudFormation for the tasks assigned to you below.

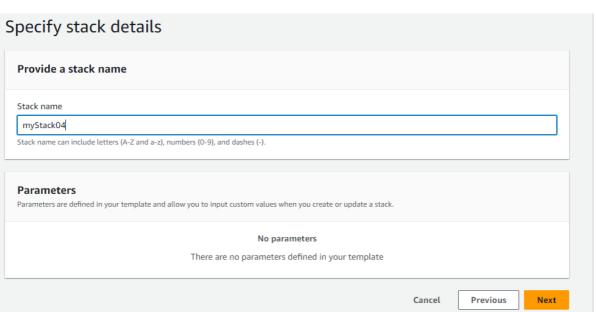
Tasks to be Performed:

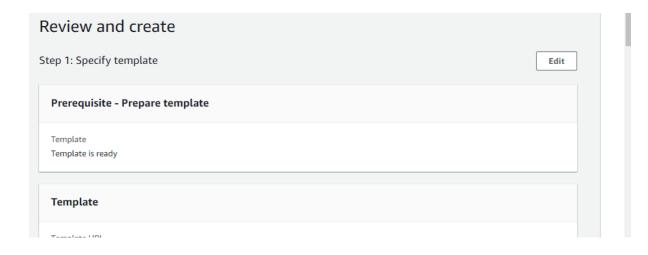
- 1. Create a FIFO SQS queue and test by sending messages.
- 2. Register your mail in SES and send a test mail to yourself.

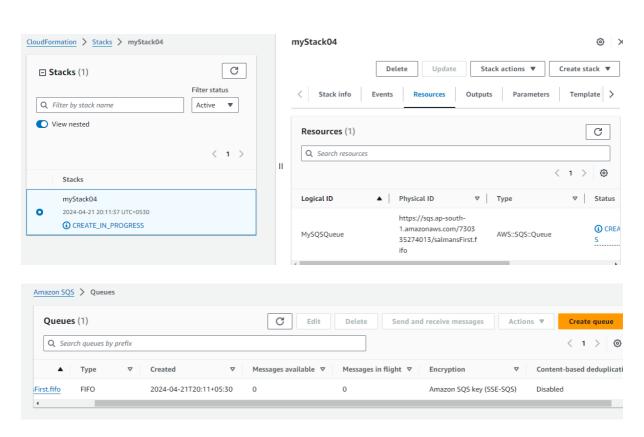
```
2
         "AWSTemplateFormatVersion": "2010-09-09",
 3
        "Resources": {
             "MySQSQueue": {
 4
                "Type": "AWS::SQS::Queue",
 6
                "Properties": {
 7
                    "QueueName": "salmansFirst.fifo",
 8
                    "FifoQueue": true
 9
10
11
12
         "Outputs": {
13
            "SQSQueueURL": {
                "Description": "URL of the created FIFO SQS queue",
14
                "Value": {
15
16
                    "Fn::GetAtt": [
17
                        "MySQSQueue",
18
                        "Arn"
19
 <sup>o</sup>6 Canvas
                                         ∴ Arrange
                   ▼ Template
        SOS Oueue
        MySQSQueue
     0
          Subscription
                                               0
          DLQ
                                               0
 Changes from the code view have been applied to the canvas.
```

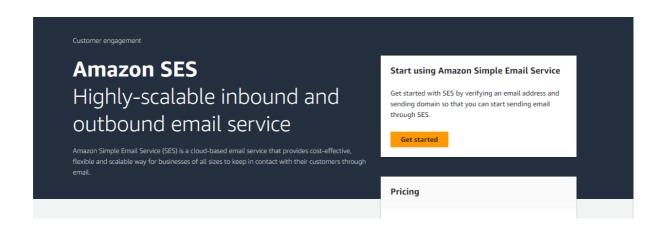


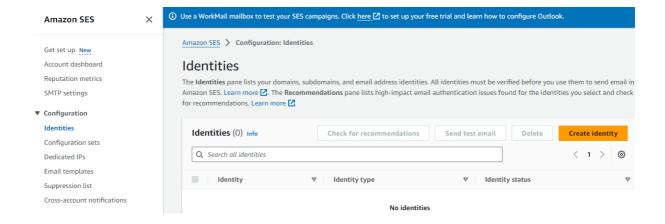


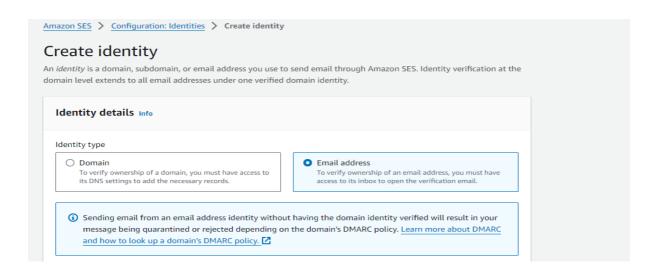


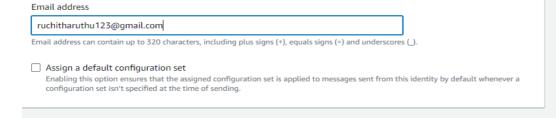




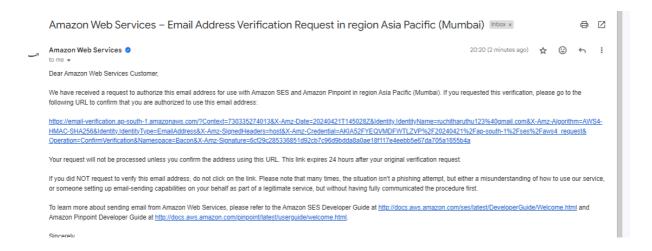


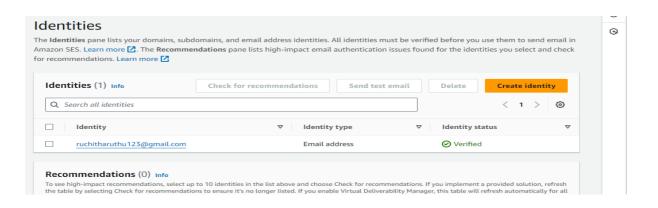






Identities The Identities pane lists your domains, subdomains, and email address identities. All identities must be verified before you use them to send email in Amazon SES. Learn more 🛂. The Recommendations pane lists high-impact email authentication issues found for the identities you select and check for recommendations. Learn more [2] Identities (1) Info Check for recommendations Send test email Delete Create identity Q Search all identities < 1 > @ Identity Identity type **Identity status** ruchitharuthu123@gmail.com Email address Verification pending





Send test email Info

The Amazon SES mailbox simulator lets you test how your application handles different email sending scenarios. Emails that you send to the mailbox simulator do not count towards your sending quota or your bounce and complaint rates. Learn more

