AWS Project 2

Problem Statement:

How to secure patient records online and send it privately to the intended party

Topics:

In this project, you will be working on a hospital project to send reports online and develop a platform so the patients can access the reports via mobile and push notifications. You will publish the report to an Amazon SNS keeping it secure and private. Your message will be hosted on an EC2 instance within your Amazon VPC. By publishing the messages privately, you can improve the message delivery and receipt through Amazon SNS.

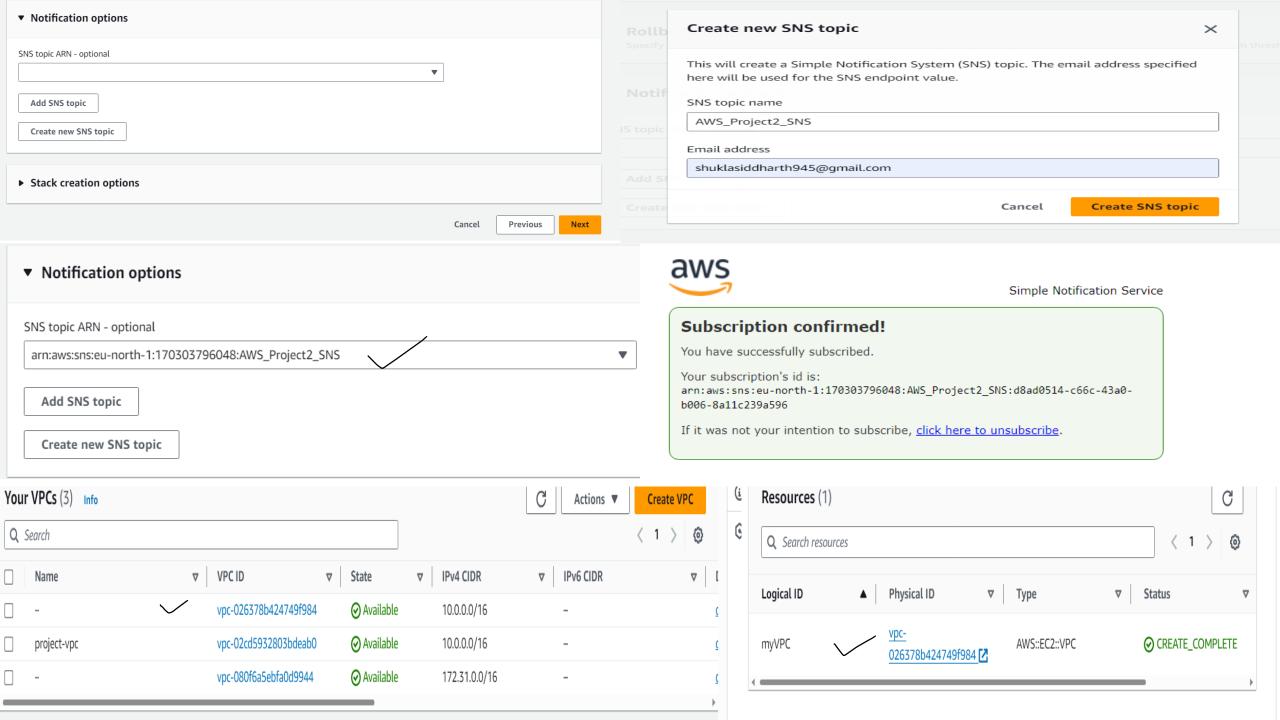
Highlights:

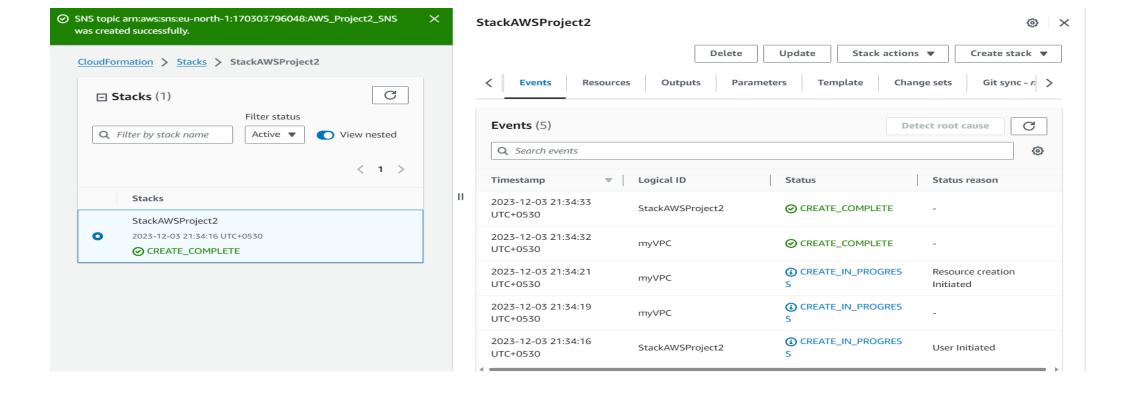
- AWS CloudFormation to create a VPC
- Connect VPC with AWS SNS
- 3. Publish message privately with SNS

```
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  AWS template for VPC creation.
                                               "Metadata": { "AWS::CloudFormation::Designer": {}
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                                               "AWS::EC2::VPC", "Properties" : { "CidrBlock" :
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                                               {"Key": "stack", "Value": "production"} ] }}
                     Close
                                   File: 'new.template'
Resource types
    ▶ SDC
    ▶ ACMPCA
    ▶ APS
    ▶ ARCZonalShift
    AccessAnalyzer
    AmazonMQ
    Amplify

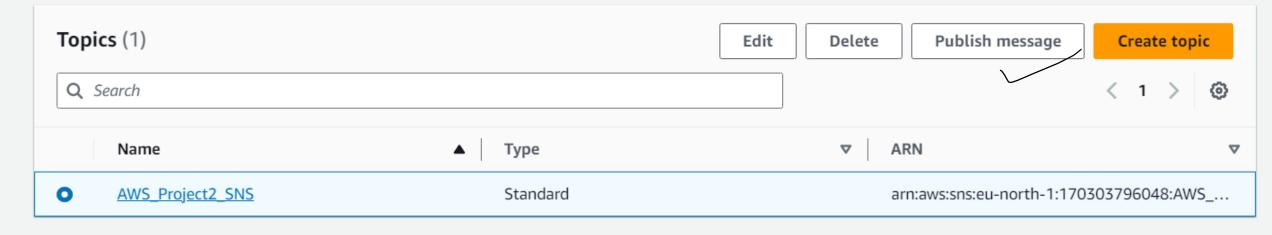
    AmplifyUIBuilder

    ApiGateway
    ▶ ApiGatewayV2
                                                                                                                                                      Messages
                                                                                   Choose template language: ● JSON ○ YAML ②
 new.template
         "AWSTemplateFormatVersion": "2010-09-09",
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   11
   12 🕶
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 Components
            Template
```





Amazon SNS > Topics



<u>Amazon SNS</u> > <u>Topics</u> > <u>AWS_Project2_SNS</u> > <u>Publish message</u>

Publish message to topic

Message details			
Topic ARN arn:aws:sns:eu-north-1:170303796048:	AWS_Project2_SNS		
Subject - optional			
stack			
Maximum 100 printable ASCII characters			
Time to Live (TTL) - optional Info This setting applies only to mobile application (endpoints. The number of seconds that the pu	sh notification service has to deliver the message	to the endpoint.
Message body			
Message structure			
 Identical payload for all delivery p The same payload is sent to endpoints s topic, regardless of their delivery protoc 	ubscribed to the Different pay	yload for each delivery protocol. rloads are sent to endpoints subscribed to the on their delivery protocol.	
Message body to send to the endpoint			
1 THIS MESSAGE PUBLISH PRIVATEL	у.		
Message attributes Info Message attributes let you provide structured metadata items (such as timestamps, geospatial data, signatures, and identifiers) for the message.			
Туре	Name	Value	
Select attribute type ▼	Enter attribute name	value or ["value1", "value2"]	Remove
Add another attribute			

Cancol

Publish message

stack Inbox x



AWS Notifications <no-reply@sns.amazonaws.com>

to me ▼

THIS MESSAGE PUBLISH PRIVATELY.

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