Healthcare Project

Industry: Healthcare

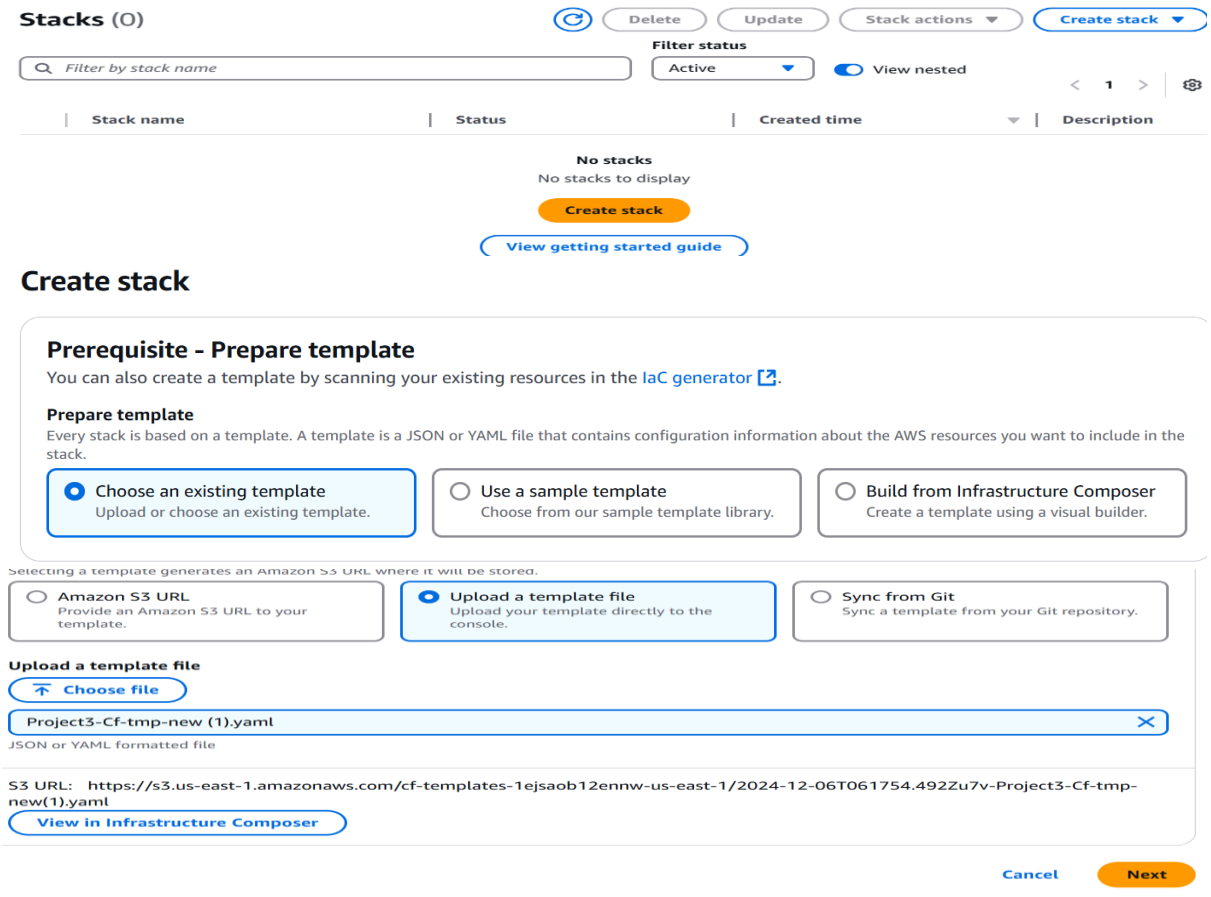
Problem Statement: How to secure patient records online and send it privately to the intended party Topics: In this project, you will be working on a hospital project to send reports online and develop a platform so the patients can access the reports via mobile and push notifications. You will publish 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.

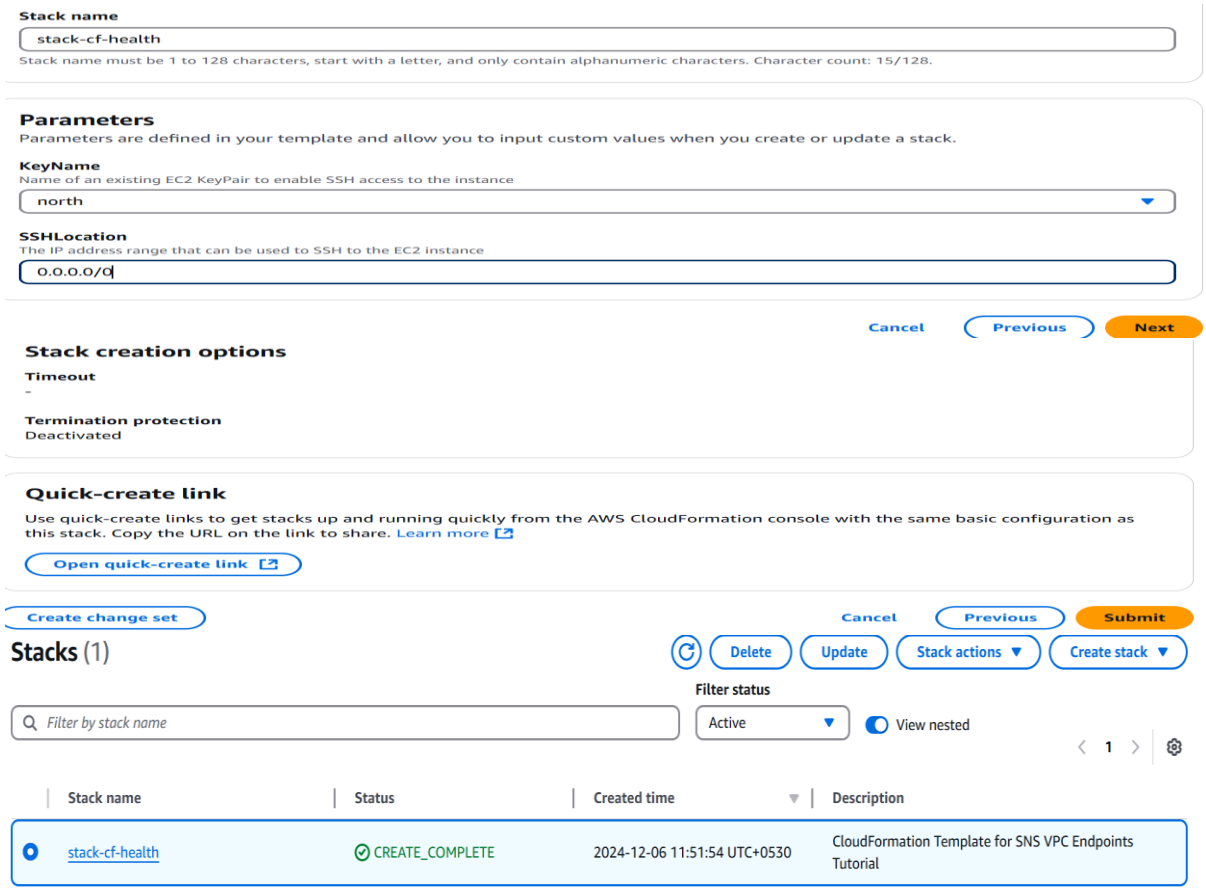
Highlights:

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

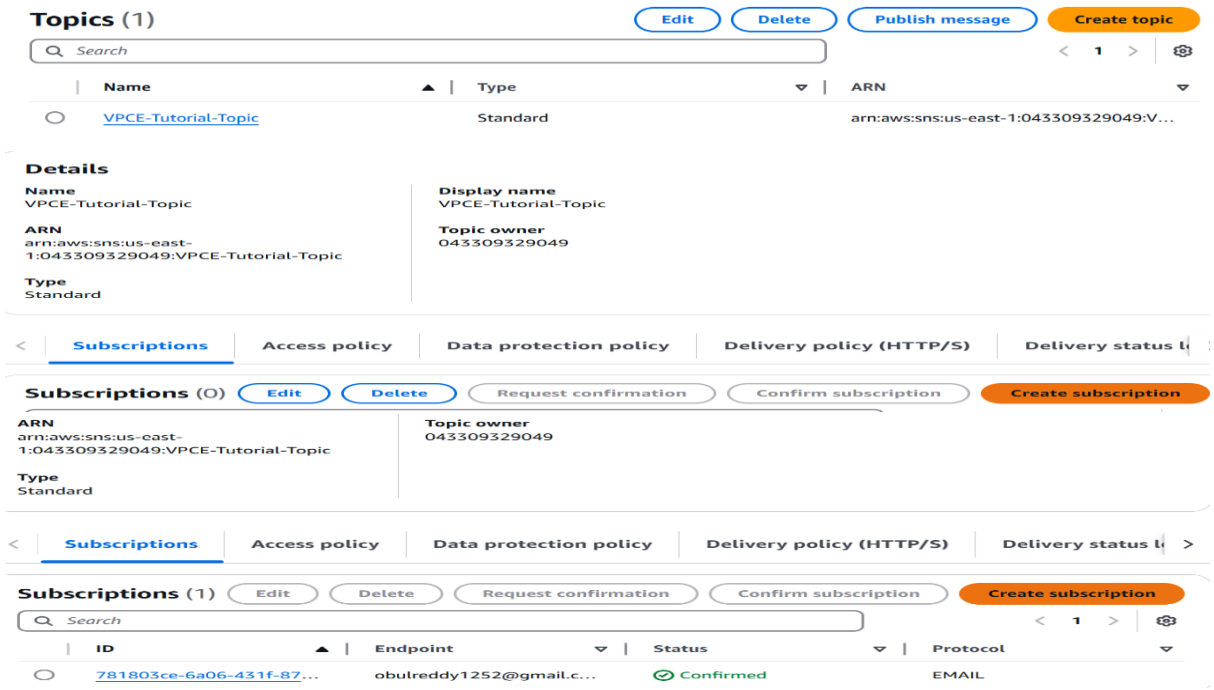
Solution:

Step-1: Open cloud formation and create a stack by choosing a template and upload a template, name the stack and finally review the stack and click on submit.

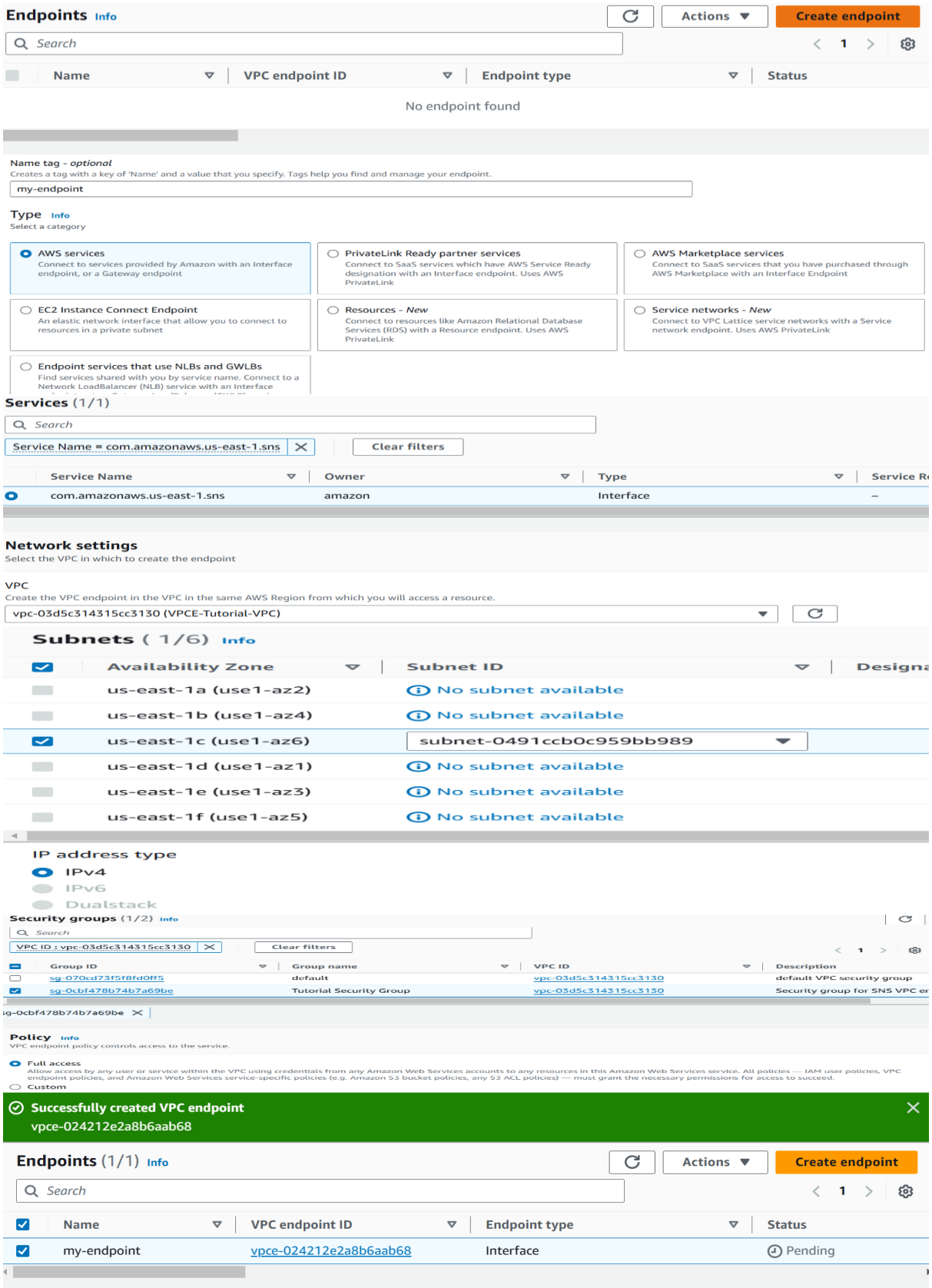




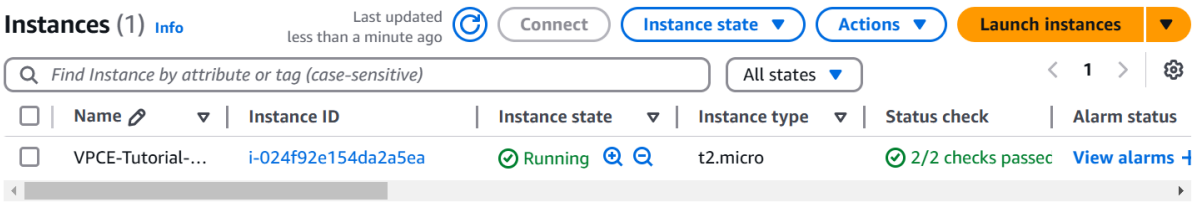
Step-2: Go to SNS, a topic gets created. Select the topic and create subscription and confirm the subscription.



Step-3: Go to VPC, create endpoint with AWS service type, choose the SNS topic and select the network, subnets, security groups and click on create endpoint.



Step-4: Go to instance, an instance VPCE-TUTORIAL is running on instance dashboard. Select the instance and connect it to the machine. Enter the command and run the command.




```
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-10-0-1-15 ~]$ aws sns publish --region us-east-1 --topic-arn arn:aws:sns:us-east-1:043309329049:VPCE-Tutorial-Topic --message "
we are exectuing project 3"
```

Step-5: The command will create the message id and send a mail from VPCE-Tutorial-Topic with message we entered in command.

```
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-10-0-1-15 ~]$ aws sns publish --region us-east-1 --topic-arn arn:aws:sns:us-east-1:043309329049:VPCE-Tutorial-Topic --message "
we are exectuing project 3"
{
    "MessageId": "70c029e5-73bf-5fb3-801e-7629d332da75"
}
[ec2-user@ip-10-0-1-15 ~]$
```