project - 3 publishing amazon SNS messages

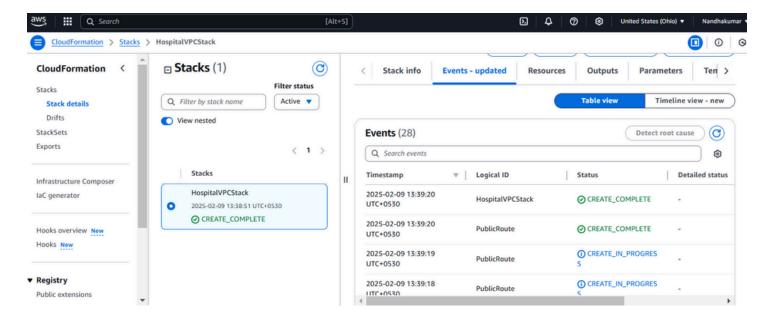
Industry: Healthcare

Problem Statement:

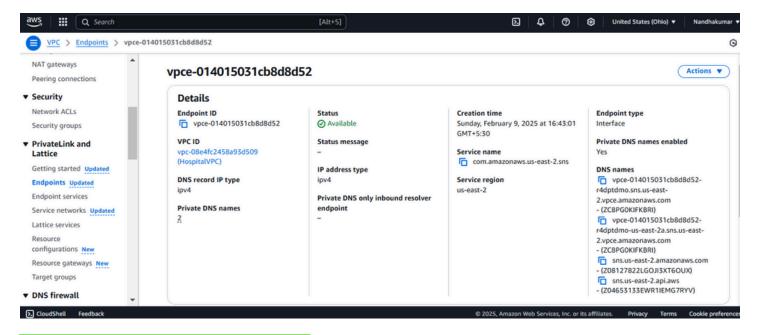
How to secure patient records online and send it privately to the intended party Topics: In this project, you will be working on a hospital project to send reports online and develop a platform so the patients can access the reports via mobile and push notifications. You will publish the report to an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



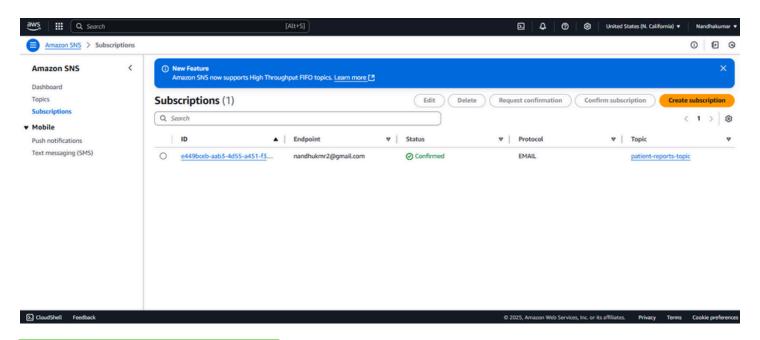
2. Connect VPC with AWS SNS



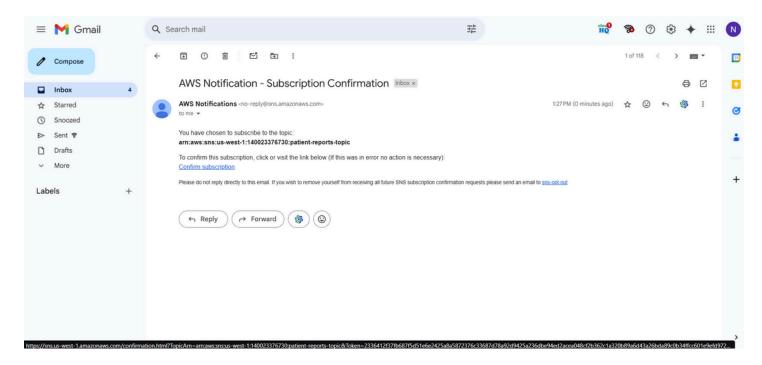
3. Publish message privately with SNS

```
\ #####\
                     AL2 End of Life is 2026-06-30.
         \###|
           \#/
                     A newer version of Amazon Linux is available!
                     Amazon Linux 2023, GA and supported until 2028-03-15.
                       https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-10-0-1-93 ~]$ ping amazon.com
PING amazon.com (205.251.242.103) 56(84) bytes of data.
64 bytes from s3-console-us-standard.console.aws.amazon.com (205.251.242.103): icmp_seq=1 ttl=242 time=11.4 ms
64 bytes from s3-console-us-standard.console.aws.amazon.com (205.251.242.103): icmp_seq=2 ttl=242 time=11.6 ms
64 bytes from s3-console-us-standard.console.aws.amazon.com (205.251.242.103): icmp_seq=3 ttl=242 time=10.9 ms
64 bytes from s3-console-us-standard.console.aws.amazon.com (205.251.242.103): icmp_seq=4 ttl=242 time=11.4 ms
64 bytes from s3-console-us-standard.console.aws.amazon.com (205.251.242.103): icmp_seq=5 ttl=242 time=10.9 ms
^C
    amazon.com ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4006ms rtt min/avg/max/mdev = 10.914/11.280/11.612/0.290 ms
[ec2-user@ip-10-0-1-93 ~]$ aws sns publish --region us-east-2 --topic-arn arn:aws:sns:us-east-2:140023376730:HospitalSNS
Topic --message "Hello"
Unable to locate credentials. You can configure credentials by running "aws configure".
[ec2-user@ip-10-0-1-93 ~]$
[ec2-user@ip-10-0-1-93 ~]$ aws sns publish --region us-east-2 -topic-arn arn:aws:sns:us-east-2:140023376730:HospitalSNS
Topic --message "Hello"
    "MessageId": "8d82616b-fcaf-5856-805b-01497503791e"
 ec2-user@ip-10-0-1-93 ~]$
```

4.added subscription:



5.confirmend from endpoint mail:



6.successfully received the message:

