

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

The screenshot displays the AWS Management Console interface. The top navigation bar shows the user is logged in as 'Lokesh1234' in the 'United States (N. Virginia)' region. The main content area is divided into two sections: 'EC2' and 'Your VPCs (2)'. The 'EC2' section shows a list of instances, with one instance named 'Hospital-EC2' in a 'Running' state. The 'Your VPCs (2)' section shows a VPC named 'Hospital-VPC' in an 'Available' state. Below these sections, the browser address bar shows the URL 'us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/topic/arn:aws:sns:us-east-1:416946765337:Hospital-Reports-Topic'. The main content area is now displaying the 'Hospital-Reports-Topic' configuration page. A green notification banner at the top indicates a message was published successfully. The 'Details' section shows the topic name 'Hospital-Reports-Topic', its ARN, and the topic owner. The 'Subscriptions' section shows a single subscription for the email address 'lokesht.2007@gmail.com' with a status of 'Confirmed'.

EC2

Instances (2) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...
Hospital-EC2	i-008c5346b48215a95	Running	t3.micro	Initializing	View alarms +	us-east-1a	ec2-3-216-31-79.comp...	3.216.31.79

Your VPCs (2) Info

Last updated less than a minute ago

Name	VPC ID	State	Encryption c...	Encryption control ...	Block Public...	IPv4 CIDR	IPv6 CIDR
Hospital-VPC	vpc-0a1a219396b6d261c	Available	-	-	Off	10.0.0.0/16	-

Amazon SNS

Topics

Hospital-Reports-Topic

Message published to topic Hospital-Reports-Topic successfully.
Message "ID": 4f427d87-d8f4-5293-89f7-1f8Bac0f6793
Request "ID": 3e6daad0-fe12-5aad-8e5b-c8d38ae93fad

Hospital-Reports-Topic

Details

Name	ARN	Display name	Type
Hospital-Reports-Topic	arn:aws:sns:us-east-1:416946765337:Hospital-Reports-Topic	-	Standard

Topic owner: 416946765337

Subscriptions (1)

ID	Endpoint	Status	Protocol
de9ddaab-9c21-439e-ae1e-9fd1e9443e08	lokesht.2007@gmail.com	Confirmed	EMAIL

