

Publishing Amazon SNS Messages Privately

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.

Solution:

Cloud Formation → Infrastructure Composer → create template → confirm

Stack name: project-stack

userKeyPairName: existing

userMailId:emailed

submit



VPC → endpoint → Create endpoint

Name: snsendpoint

Services: sns

VPC: myproject-VPC

Subnets: select

Security groups : My-Project-ec2-sg

VPC → Actions → Edit VPC → Enable DNS hostnames

Create

A screenshot of the AWS VPC Endpoints service. It shows a list of endpoints with one entry: snsendpoint, which is associated with a VPC endpoint ID vpce-0a09e7f0060811a9d. The interface includes filters and actions buttons.

EC2 → Connect

```
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

hi from ec2

MessageID: "9b2c0320-e017-56b7-9a36-e222453f9630"


```

A screenshot of the AWS Notification Service. It shows a confirmation message for a subscription to a topic and an email inbox with a message from the topic containing the text "hi from ec2".