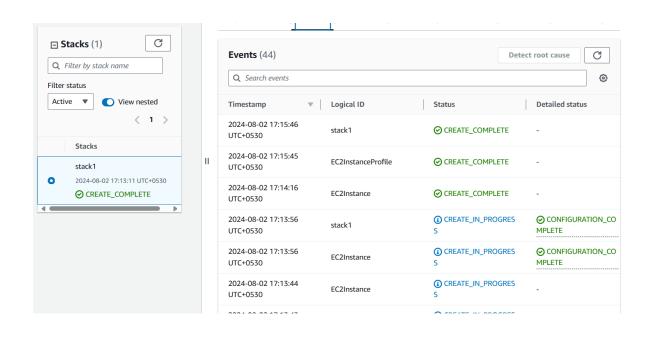
CAPSTONE PROJECT- 2 AWS

RESOURCES USED:

- 1. Key Pair
- 2. VPC and all its components
- 3. Amazon SNS Topic
- 4. IAM (Roles, Instance Profile)

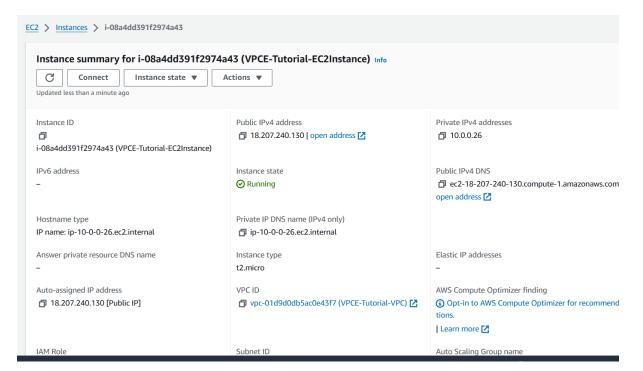
1. USING CLOUD FORMATION TEMPLATE:



2. EC2 INSTANCE:

i-08a4dd391f2974a43 (VPCE-Tutorial-EC2Instance) **Details** Status and alarms Monitoring Security Networking **▼** Instance summary Info Private IPv4 addresses Instance ID Public IPv4 address i-08a4dd391f2974a43 (VPCE-Tutorial-EC2Instance) **1**0.0.0.26 IPv6 address Instance state Public IPv4 DNS open address 🛂 Private IP DNS name (IPv4 only) Hostname type IP name: ip-10-0-0-26.ec2.internal ip-10-0-0-26.ec2.internal

3. VPC WITH 1 SUBNET



4. NO CONNECTION OF EC2 TO INTERNET:

```
[ec2-user@ip-10-0-0-26 ~]$ ping google.com
PING google.com (172.253.63.139) 56(84) bytes of data.
^C
--- google.com ping statistics ---
11 packets transmitted, 0 received, 100% packet loss, time 10233ms

[ec2-user@ip-10-0-0-26 ~]$|
```

For CONNECTION TO SNS

5. CREATION OF VPC ENDPOINT:

vpce-00c59cf17ef2c20ec / sns-endp

Details		
Endpoint ID	Status	Creation time
vpce-00c59cf17ef2c20ec	⊘ Available	Friday, August 2, 2024 at 17:18:5 GMT+5:30
VPC ID	Status message	
vpc-01d9d0db5ac0e43f7 (VPCE-	_	Service name
Tutorial-VPC)		com.amazonaws.us-east-1.
	IP address type	
DNS record IP type	ipv4	DNS names
ipv4		vpce-00c59cf17ef2c20ec-
		adg3vbqs.sns.us-east-
Private DNS only inbound resolver		1.vpce.amazonaws.com
endpoint		- (Z7HUB22UULQXV)
_		vpce-00c59cf17ef2c20ec-
		adg3vbqs-us-east-1f.sns.us-east
		1.vpce.amazonaws.com
		- (Z7HUB22UULQXV)
		sns.us-east-1.amazonaws.c
		- (Z032743610JPKBZ4UW82R)

6.CONNECTION THROUGH VPC ENDPOINT:→

```
[ec2-user@ip-10-0-0-26 ~]$ aws sns publish --region us-east-1 --topic-arn arn:aws:sns:us-east-1:891377323684:VPCE-Tutori
al-Topic --message "IT WORKS THATS ALL YOU NEED"
{
   "MessageId": "165dc3b5-00e0-5d9d-b798-9c93d053b37b"
}
[ec2-user@ip-10-0-0-26 ~]$|
```

AS PER SUBSCRIPTION TO EMAIL:

