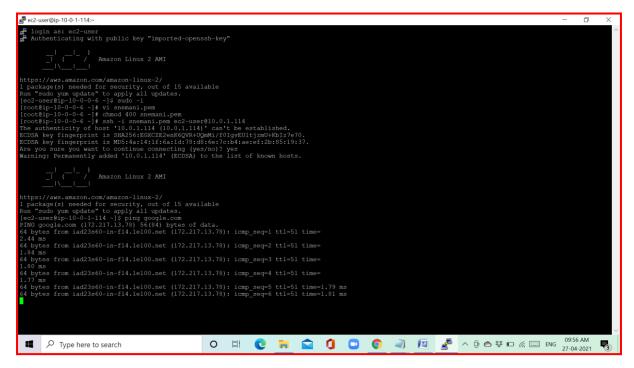
AWS Project: -1

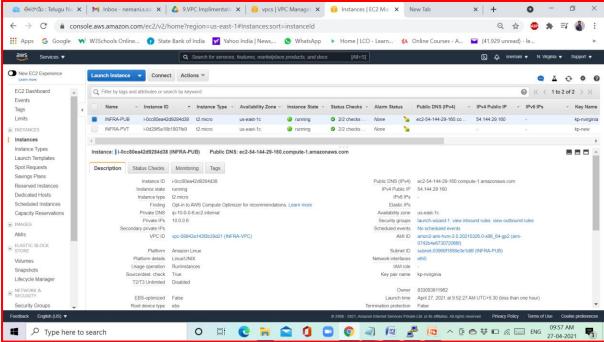
Project Date: - 27.04.2021

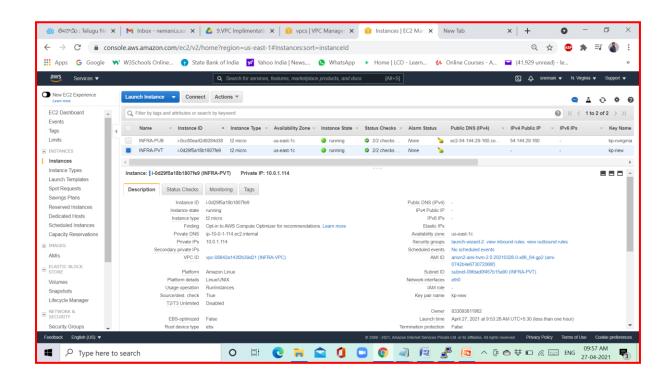
Prepared by: - Sarveswara Sarma Nemani

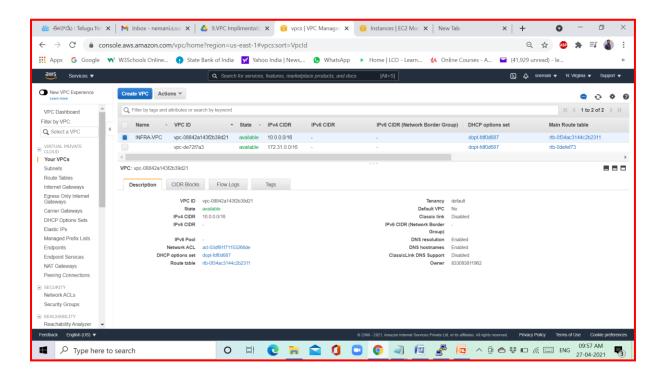
Create a VPC With Public subnet and Private subnet, create public and private servers and Provide internet to the Private server

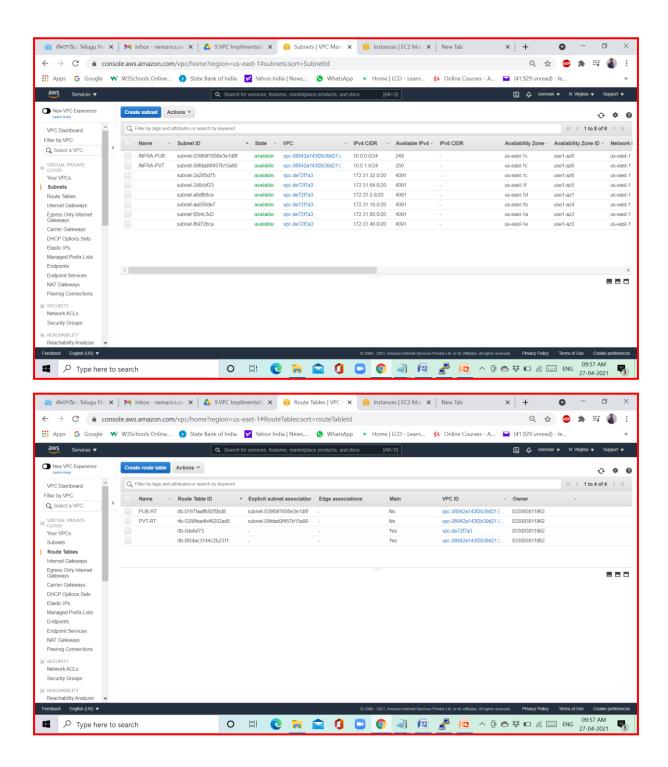
Sol:

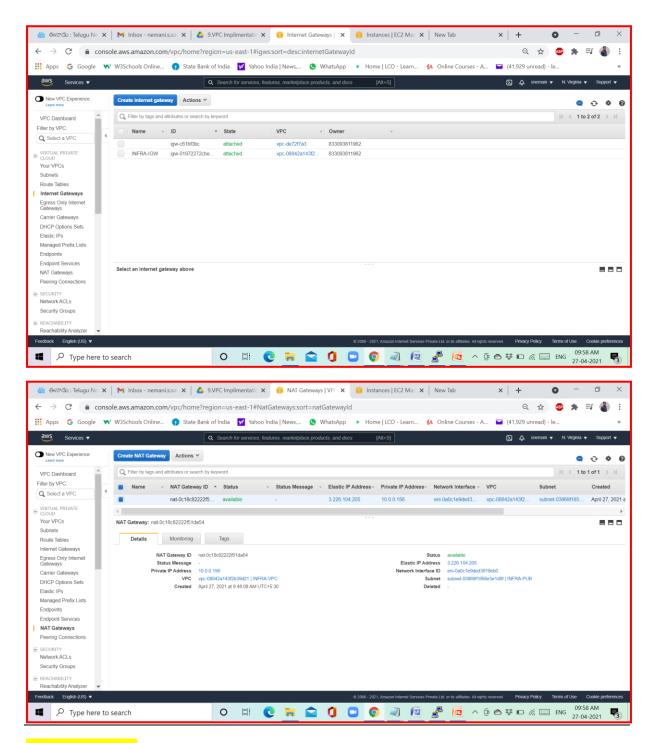












Terminal Logs: -

_| _|_)

_| (/ Amazon Linux 2 AMI

__|__|

https://aws.amazon.com/amazon-linux-2/

1 package(s) needed for security, out of 15 available

Run "sudo yum update" to apply all updates.

[ec2-user@ip-10-0-0-6 ~]\$ sudo -i

[root@ip-10-0-0-6 ~]# vi snemani.pem

[root@ip-10-0-0-6 ~]# chmod 400 snemani.pem

[root@ip-10-0-0-6 ~]# ssh -i snemani.pem ec2-user@10.0.1.114

The authenticity of host '10.0.1.114 (10.0.1.114)' can't be established.

ECDSA key fingerprint is SHA256:EGXCZE2enK6QVR+UQmMi/f0lgvEUltjzmU+Kblz7e70.

ECDSA key fingerprint is MD5:4a:14:1f:6a:1d:78:d8:6e:7c:b4:ae:ef:2b:85:19:37.

Are you sure you want to continue connecting (yes/no)? yes

Warning: Permanently added '10.0.1.114' (ECDSA) to the list of known hosts.

_| _|_)
_| (/ Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/

1 package(s) needed for security, out of 15 available

Run "sudo yum update" to apply all updates.

[ec2-user@ip-10-0-1-114 ~]\$ ping google.com

PING google.com (172.217.13.78) 56(84) bytes of data.

64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=1 ttl=51 time= 2.44 ms

64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=2 ttl=51 time= 1.84 ms

64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=3 ttl=51 time= 1.80 ms

64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=4 ttl=51 time= 1.77 ms

64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=5 ttl=51 time=1.79 ms

64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=6 ttl=51 time=1.81 ms

64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=7 ttl=51 time=1.76 ms

64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=8 ttl=51 time=1.76 ms

64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=9 ttl=51 time=1.75 ms

64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=10 ttl=51 time=1.74 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=11 ttl=51 time=1.77 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=12 ttl=51 time=1.82 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=13 ttl=51 time=1.76 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=14 ttl=51 time=1.83 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=15 ttl=51 time=1.71 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=16 ttl=51 time=1.77 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=17 ttl=51 time=1.87 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=18 ttl=51 time=1.80 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=19 ttl=51 time=1.86 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=20 ttl=51 time=1.77 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78); icmp_seq=21 ttl=51 time=1.83 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78); icmp_seq=22 ttl=51 time=1.79 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=23 ttl=51 time=1.75 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=24 ttl=51 time=1.78 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=25 ttl=51 time=1.76 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=26 ttl=51 time=1.79 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=27 ttl=51 time=2.21 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=28 ttl=51 time=1.80 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=29 ttl=51 time=1.74 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78); icmp_seq=30 ttl=51 time=1.76 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=31 ttl=51 time=1.75 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=32 ttl=51 time=1.80 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=33 ttl=51 time=1.80 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=34 ttl=51 time=1.82 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=35 ttl=51 time=1.94 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78); icmp seq=36 ttl=51 time=1.76 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=37 ttl=51 time=1.82 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=38 ttl=51 time=1.77 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=39 ttl=51 time=1.77 ms 64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=40 ttl=51 time=1.80 ms

64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=41 ttl=51 time=1.76 ms
64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=42 ttl=51 time=1.79 ms
64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=43 ttl=51 time=1.75 ms
64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=44 ttl=51 time=1.83 ms
64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=45 ttl=51 time=1.80 ms
64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=46 ttl=51 time=1.99 ms
64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=47 ttl=51 time=1.77 ms
64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=48 ttl=51 time=1.81 ms
64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=49 ttl=51 time=1.76 ms
64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=50 ttl=51 time=1.83 ms
64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=51 ttl=51 time=1.73 ms
64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=51 ttl=51 time=1.76 ms
64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=52 ttl=51 time=1.75 ms
64 bytes from iad23s60-in-f14.1e100.net (172.217.13.78): icmp_seq=52 ttl=51 time=1.76 ms

> ^C

[ec2-user@ip-10-0-1-114 ~]\$ ^C

[ec2-user@ip-10-0-1-114 ~]\$

Event Logs: -

2021-04-27 09:54:47 Looking up host "ec2-54-144-29-160.compute-1.amazonaws.com" for SSH connection

2021-04-27 09:54:47 Connecting to 54.144.29.160 port 22

2021-04-27 09:54:47 We claim version: SSH-2.0-PuTTY_Release_0.74

2021-04-27 09:54:48 Remote version: SSH-2.0-OpenSSH_7.4

2021-04-27 09:54:48 Using SSH protocol version 2

2021-04-27 09:54:48 No GSSAPI security context available

2021-04-27 09:54:48 Doing ECDH key exchange with curve Curve25519 and hash SHA-256 (unaccelerated)

2021-04-27 09:54:49 Server also has ecdsa-sha2-nistp256/ssh-rsa host keys, but we don't know any of them

2021-04-27 09:54:49 Host key fingerprint is:

2021-04-27 09:54:49 ssh-ed25519 255 3d:c6:b9:bb:c1:25:af:26:f3:c1:59:75:e8:7c:9c:ba

2021-04-27 09:54:50 Initialised AES-256 SDCTR (AES-NI accelerated) outbound encryption

2021-04-27 09:54:50	Initialised HMAC-SHA-256 (unaccelerated) outbound MAC algorithm
2021-04-27 09:54:50	Initialised AES-256 SDCTR (AES-NI accelerated) inbound encryption
2021-04-27 09:54:50	Initialised HMAC-SHA-256 (unaccelerated) inbound MAC algorithm
2021-04-27 09:54:50	Reading key file "D:\Sarvesh\SRT AWS\Key Pairs\kp-nvirginia.ppk"
2021-04-27 09:54:54	Offered public key
2021-04-27 09:54:54	Offer of public key accepted
2021-04-27 09:54:55	Sent public key signature
2021-04-27 09:54:55	Access granted
2021-04-27 09:54:55	Opening main session channel
2021-04-27 09:54:55	Opened main channel
2021-04-27 09:54:56	Allocated pty
2021-04-27 09:54:56	Started a shell/command