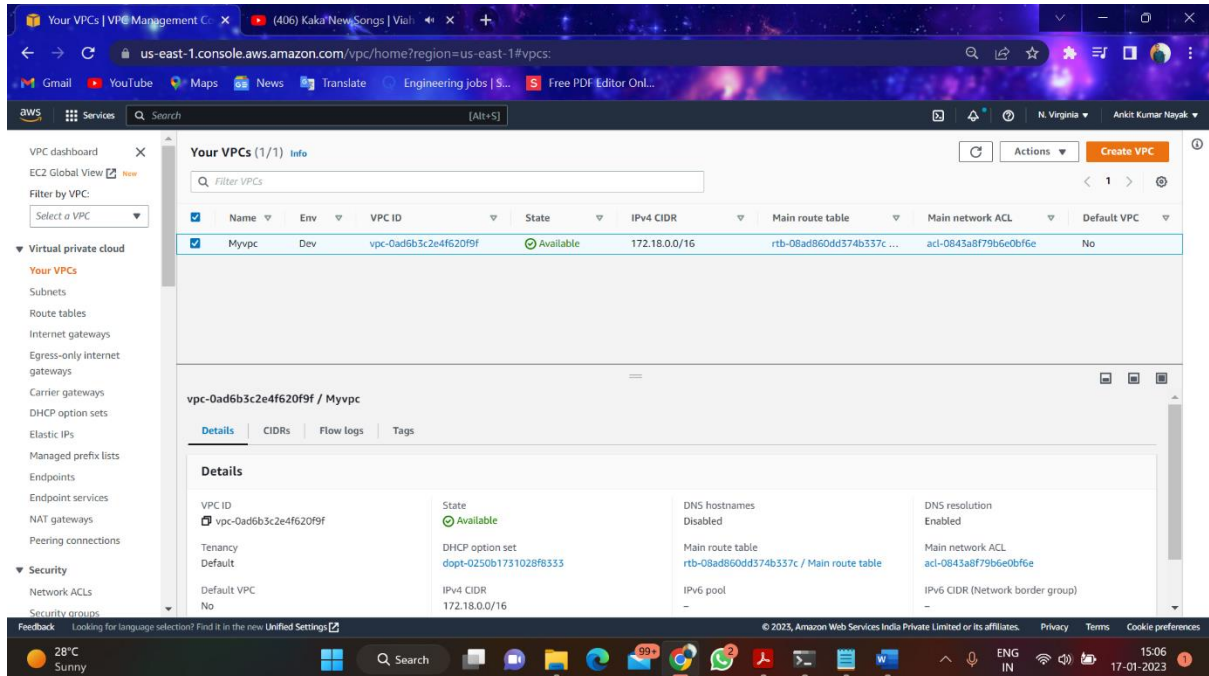
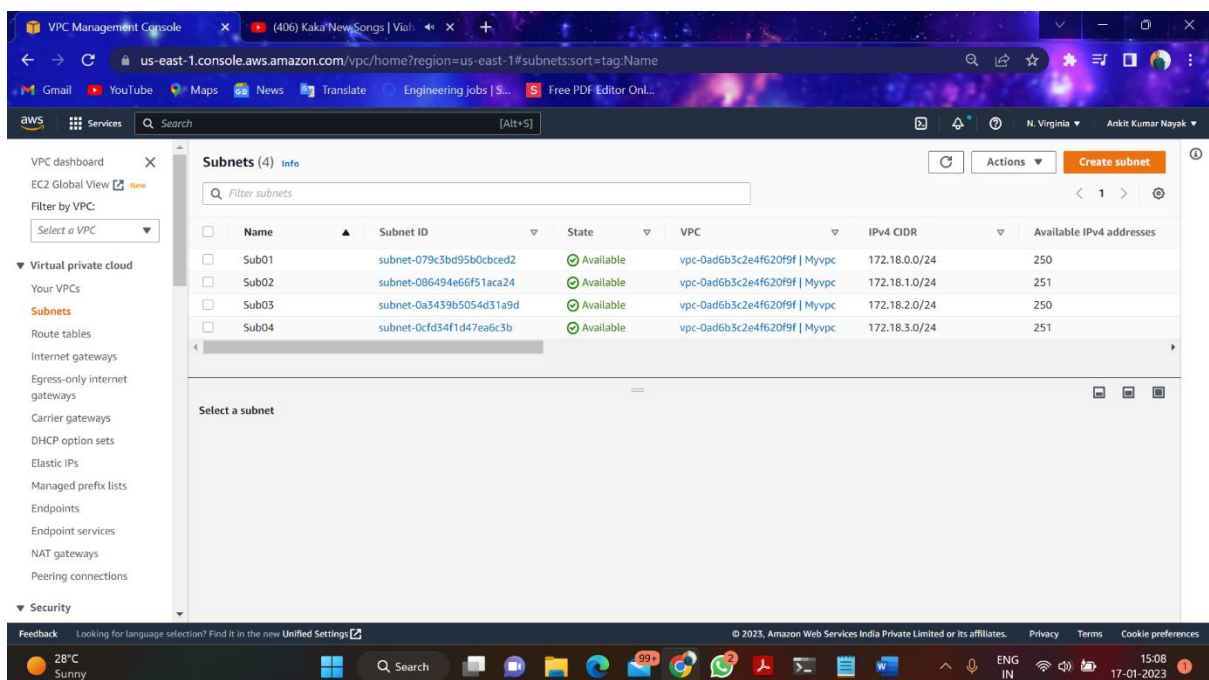


Making to access virtual machine 1 to virtual machine 2

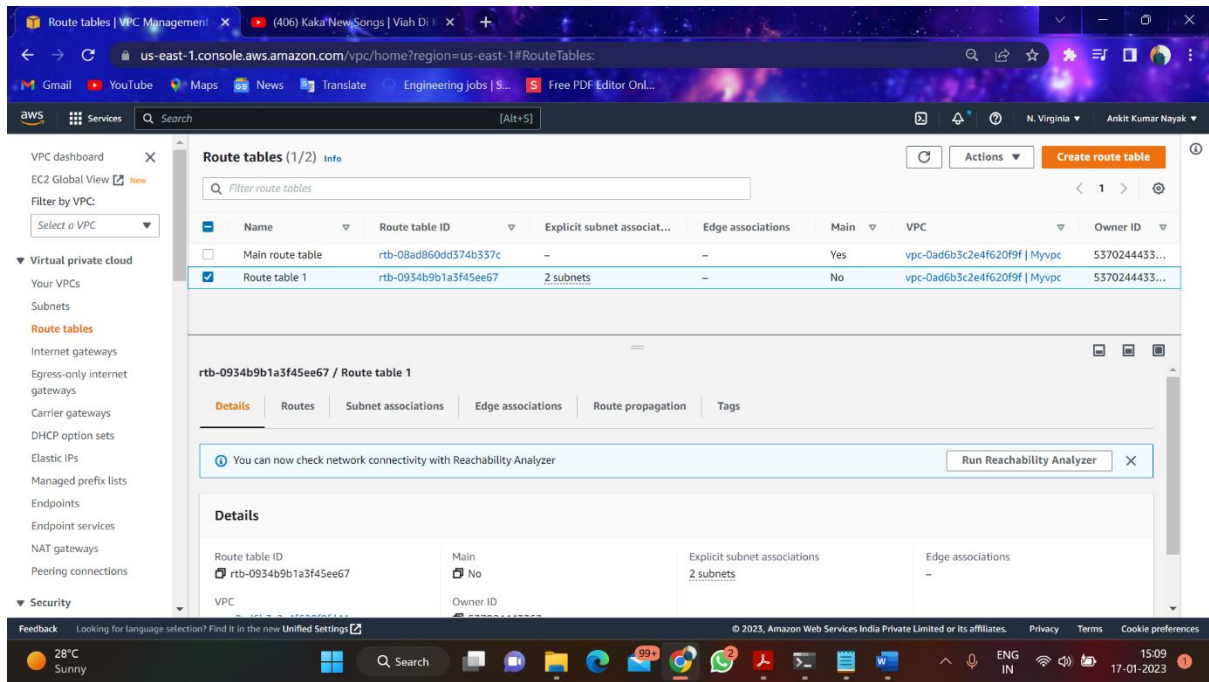
Creating VPC



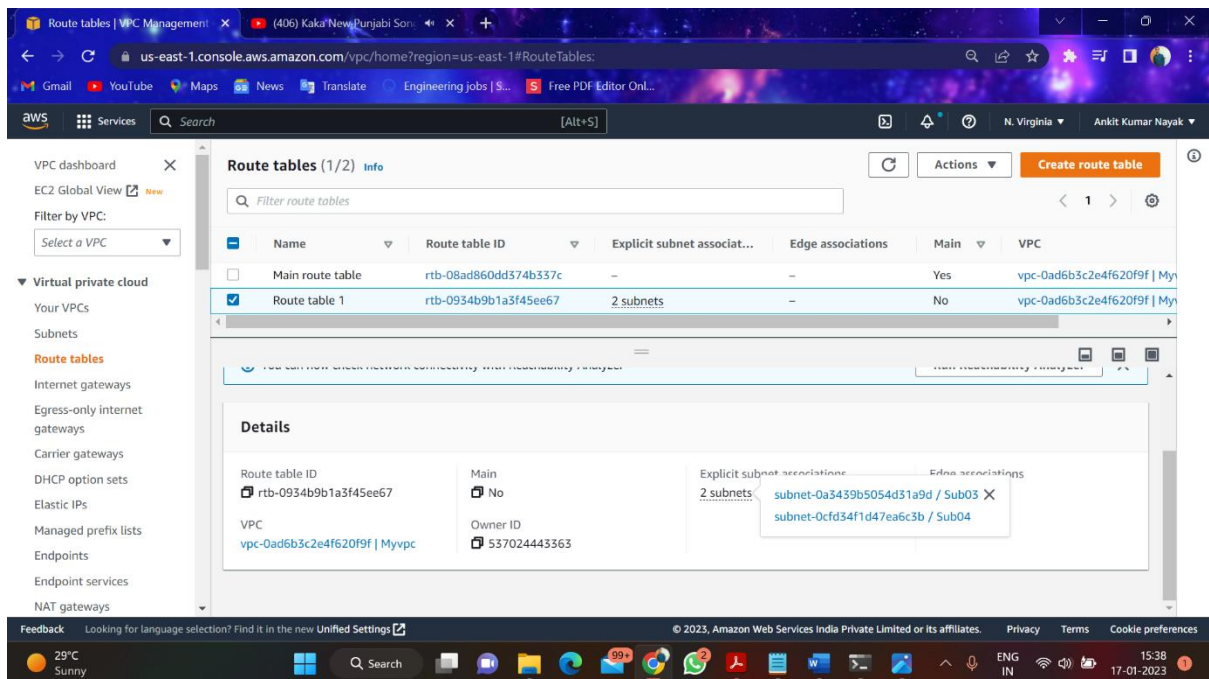
Creating Subnet



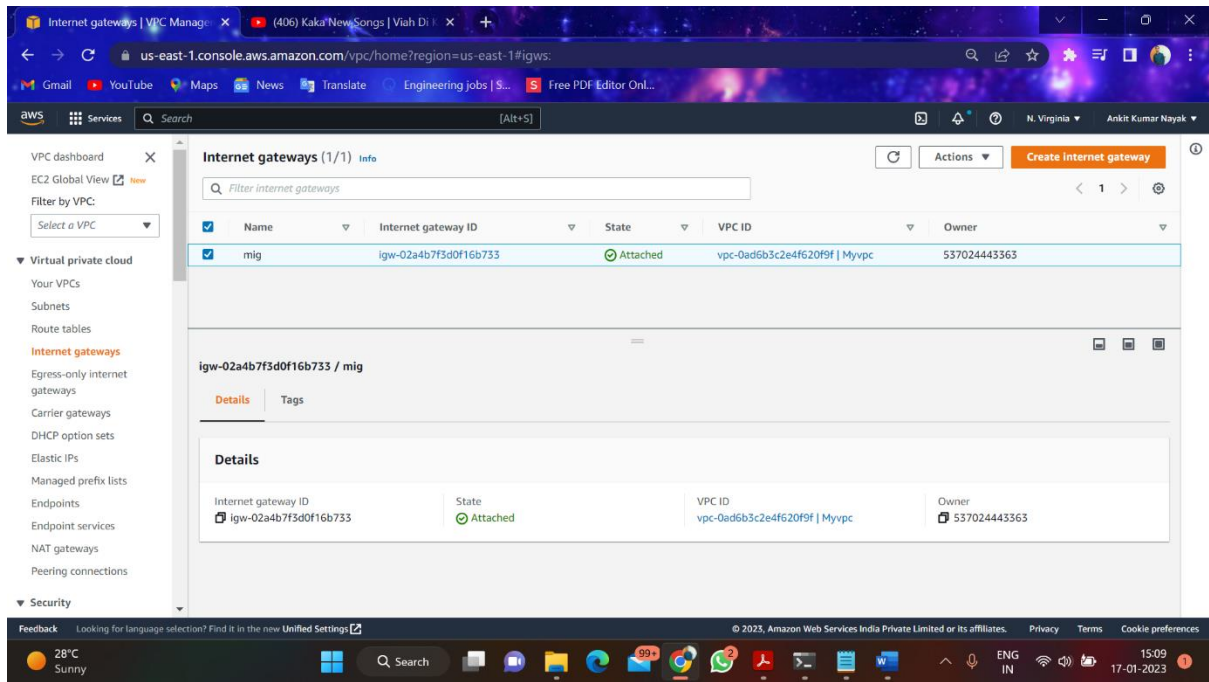
Creating Route Table



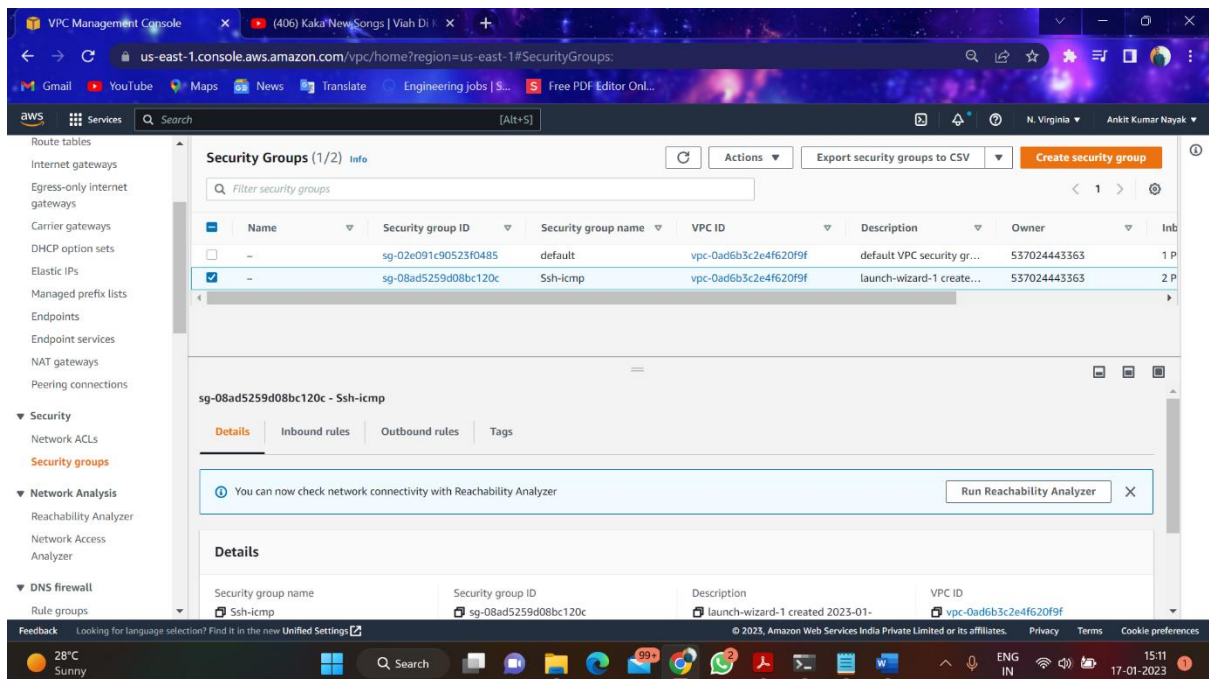
Subnet associating



Creating Internet Gateway

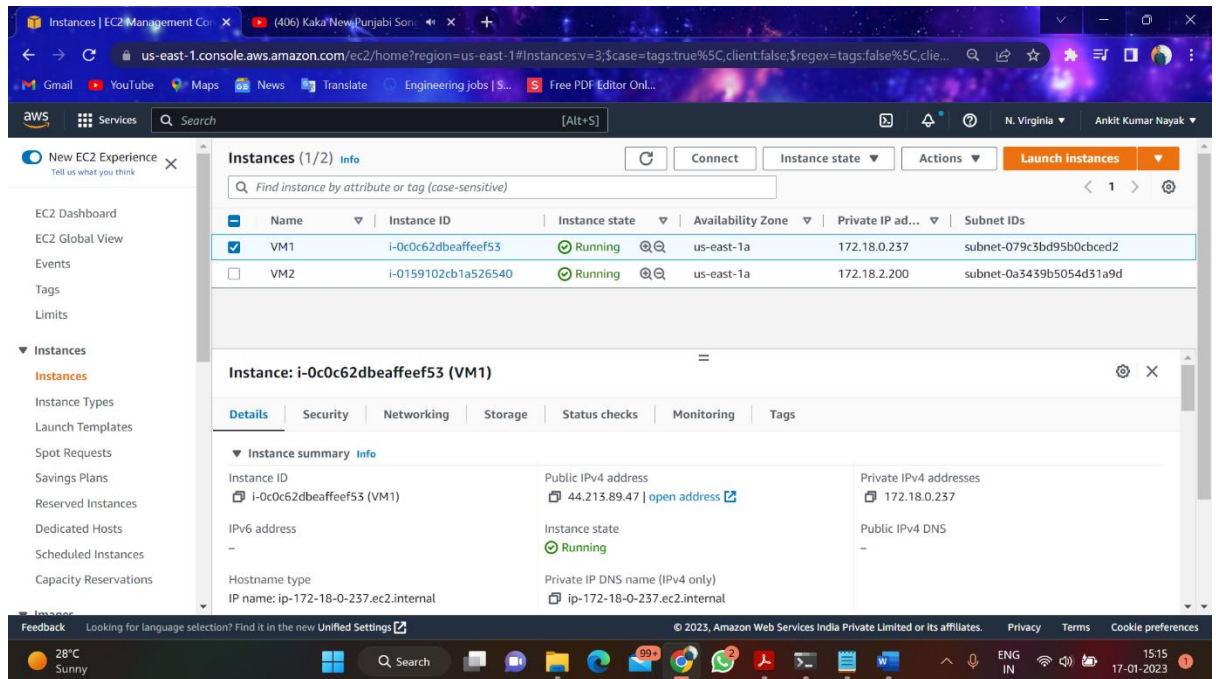


Creating Security Group

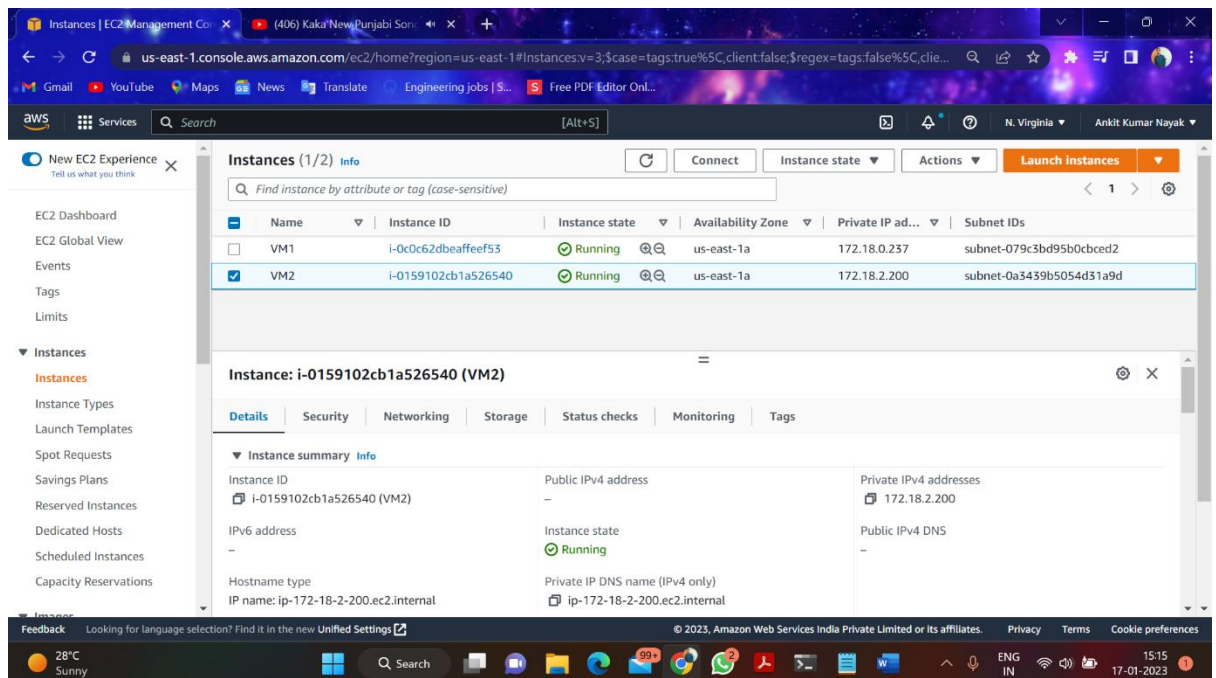


Creating 2 virtual machine

1. Virtual machine with Public and Private IP

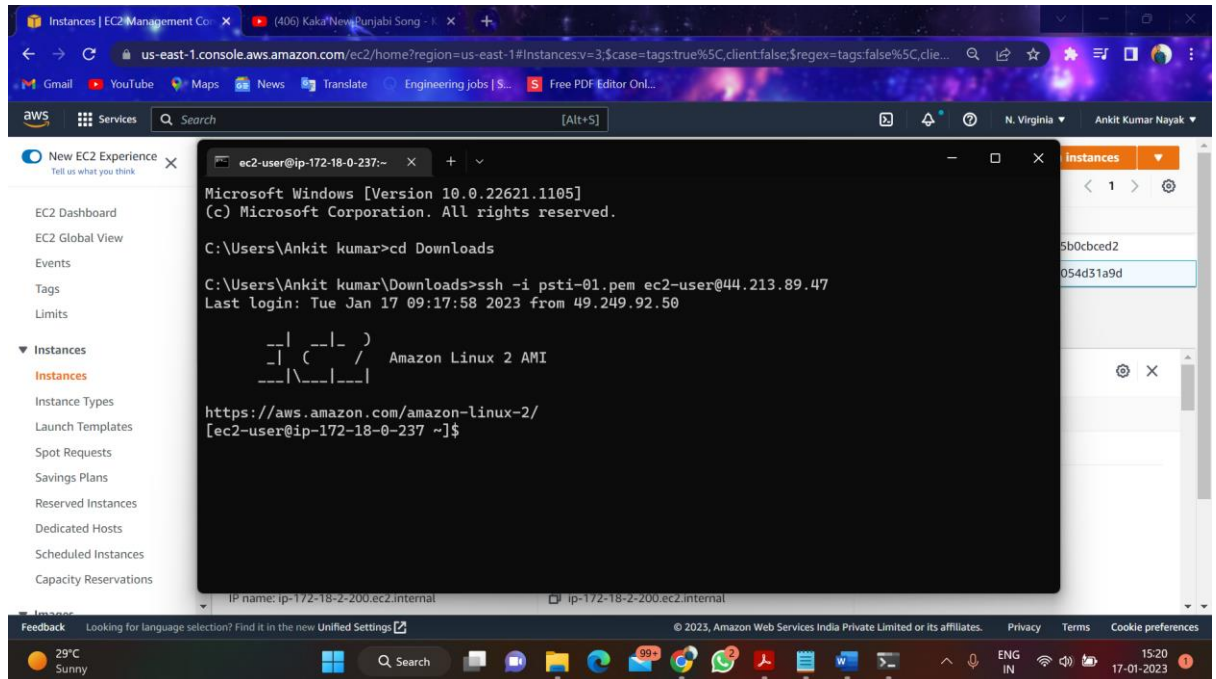


2. Virtual machine with only Private IP



Results

Running Virtual machine 1



```
Microsoft Windows [Version 10.0.22621.1105]
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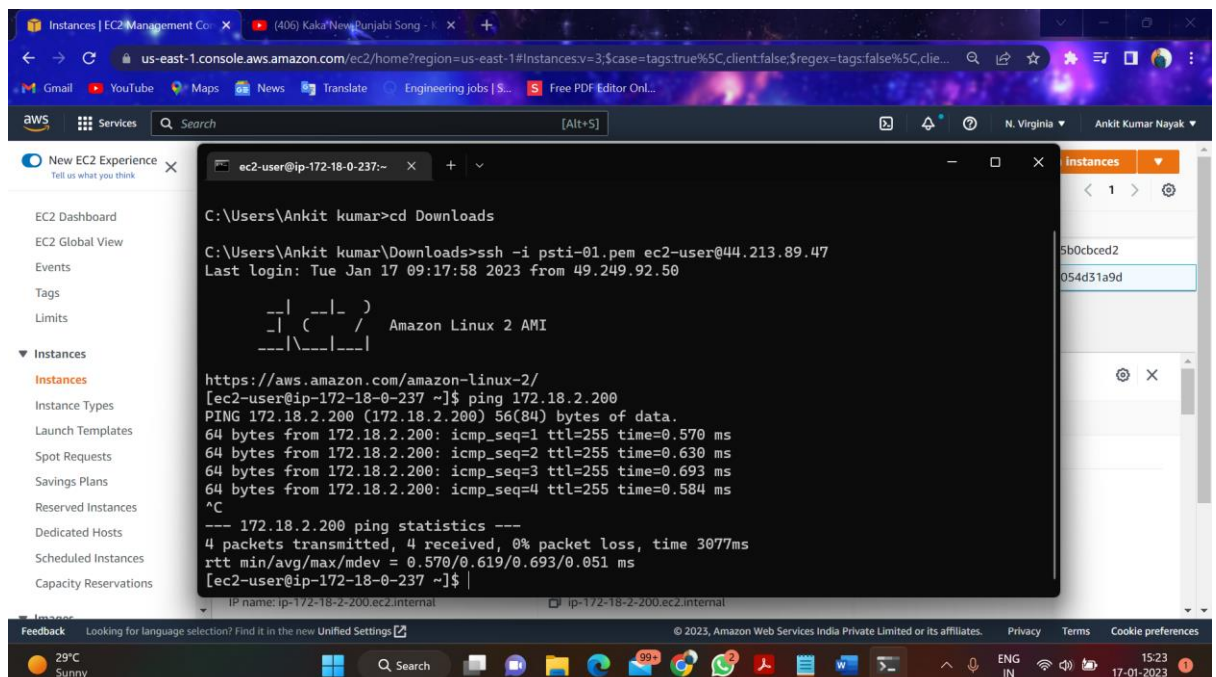
C:\Users\Ankit kumar>cd Downloads

C:\Users\Ankit kumar\Downloads>ssh -i psti-01.pem ec2-user@44.213.89.47
Last login: Tue Jan 17 09:17:58 2023 from 49.249.92.50

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

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-18-0-237 ~]$
```

Virtual machine 1 is checking if virtual machine 2 is available



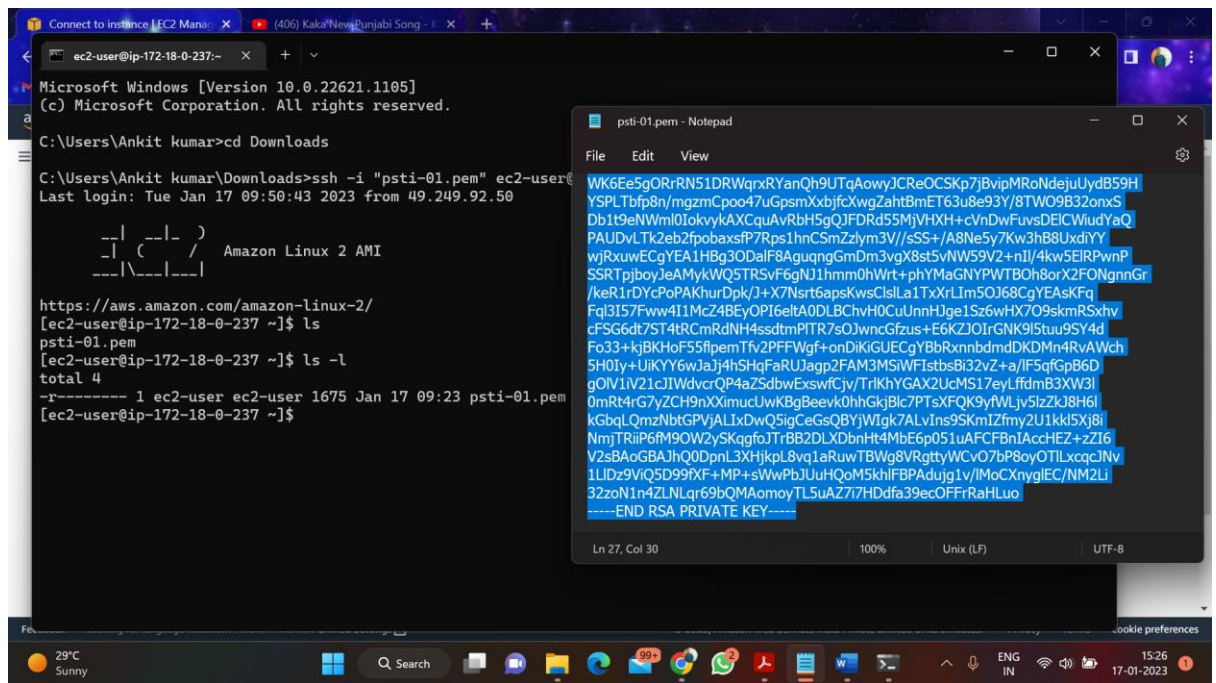
```
C:\Users\Ankit kumar>cd Downloads

C:\Users\Ankit kumar\Downloads>ssh -i psti-01.pem ec2-user@44.213.89.47
Last login: Tue Jan 17 09:17:58 2023 from 49.249.92.50

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

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-18-0-237 ~]$ ping 172.18.2.200
PING 172.18.2.200 (172.18.2.200) 56(84) bytes of data.
64 bytes from 172.18.2.200: icmp_seq=1 ttl=255 time=0.570 ms
64 bytes from 172.18.2.200: icmp_seq=2 ttl=255 time=0.630 ms
64 bytes from 172.18.2.200: icmp_seq=3 ttl=255 time=0.693 ms
64 bytes from 172.18.2.200: icmp_seq=4 ttl=255 time=0.584 ms
^C
--- 172.18.2.200 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3077ms
rtt min/avg/max/mdev = 0.570/0.619/0.693/0.051 ms
[ec2-user@ip-172-18-0-237 ~]$
```

Copying Key



```
Microsoft Windows [Version 10.0.22621.1105]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ankit kumar>cd Downloads

C:\Users\Ankit kumar\Downloads>ssh -i "pst-01.pem" ec2-user@ip-172-18-0-237:~
Last login: Tue Jan 17 09:50:43 2023 from 49.249.92.50

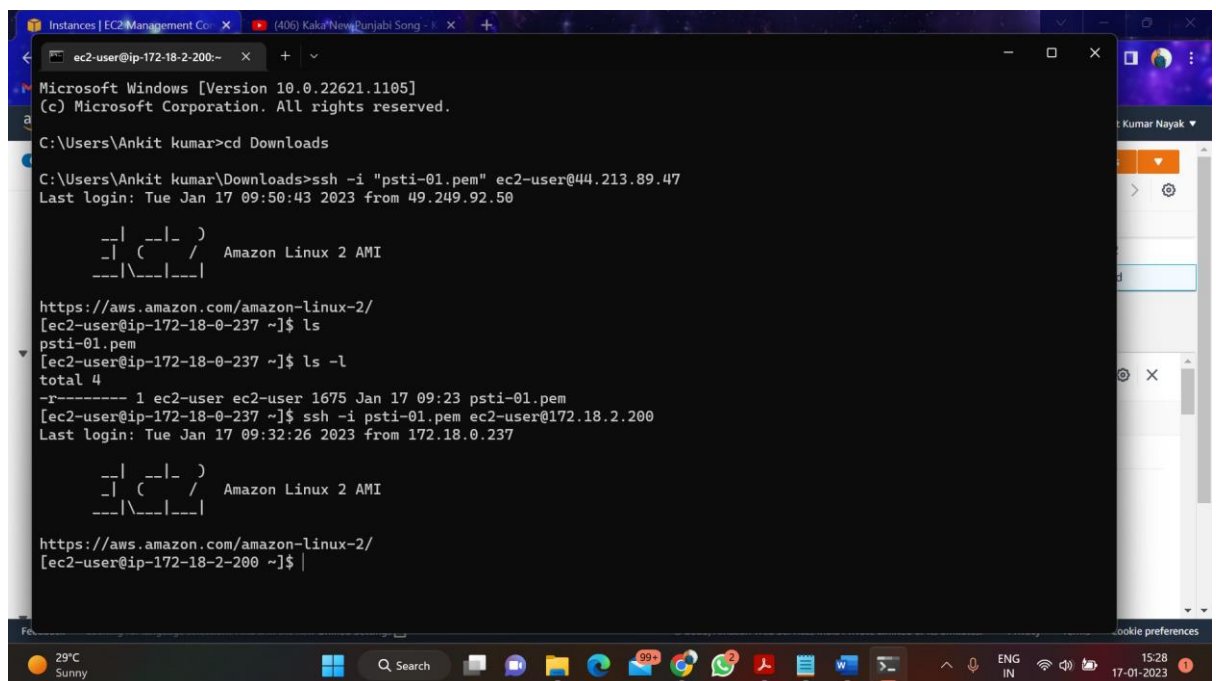
  _ _ _ _ _
 _ _ _ _ _ /   Amazon Linux 2 AMI
 _ _ _ _ _

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-18-0-237 ~]$ ls
pst-01.pem
[ec2-user@ip-172-18-0-237 ~]$ ls -l
total 4
-r----- 1 ec2-user ec2-user 1675 Jan 17 09:23 pst-01.pem
[ec2-user@ip-172-18-0-237 ~]$
```

File Edit View

```
WK6Ee5gORrRN51DRWqrxRYanQh9UTgAowjJCRoCSKp7jBvipMRoNdejuUydb59H
YSPLTbfp8n/mgzrnCpoo47uGpsmXxbjfcXwgZahtBmET63u8e93Y/8TWO9B32onxS
Db1t9eNWml0IokvykAXCquAvRbH5gQJfDRd55MjVHXH+cVnDwFuvsDEICWiudYaQ
PAUDvLTk2eb2fpobaxsP7Rps1hnCSmZzlym3V//sSS+/A8Ne5y7Kw3hB8UxdYY
wjRxuwECgYEA1HBg3ODalF8AguqngGmDm3vgX8st5vNW59V2+nIl/4kw5EIRPwnP
SSRTpjboyJeAMykWQ5TR5vF6gN11hmm0hWrt+phYMaGNYPTB0h8orX2FOgnnGr
/keR1rDYcPoPAKhurDpk/J+X7Nsr6apsKwsClLl1TxXrLIm5OJ68CgYEAkFq
Fq3I57Fww41McZ48EYOPI6altA0DLBChvH0CuUnnHJge1Sz6wHX7O9skmRSxhv
cFSG6dt7ST4tRcmRdNH4ssdtmPITR7sOJwncGfzuc+E6KZJOIrGNK9I5tuo9SY4d
Fo33+kjBKHoF55flpemTfV2PFFWgF+onDiKiGUEGyBbRxnndmdDKDMn4RvAWch
5H0Iy+UiKYY6wJaJj4hSHqFaRUJagp2FAM3MSiWFlstbsB32vZ+a/IF5qfGp86D
gOIV1iV21cJlWdvcrQP4aZSdbwExswfCjv/TrlKhYGAX2UcMS17eyLffdmB3XW3l
0mRt4rG7yZCH9nXximucUwKBgBeevk0hhGkjbLc7PTsXFQK9yFWLjv5lzZk38H6l
kGblQlQmzNbtGPVjAL1xDwQ5igCeGsQ8YjWjgk7ALvIns9SKmIZfmy2U1kk5Xj8l
NmjTRIIP6M9OW2ySKqgfoJTrB82DLXDbnHt4MbE6p051uAFCFBnIAccHEZ+zL6
V2sBAoGBAJhQ0DpnL3XHjkl8vq1aRuWtBWg8VRgttyWCvO7bP8oyOTLlxcqCjNV
1LIDz9VQSD99pXF+MP+sWwPbJUuHqoM5khfBPAdujg1v/IMoCXnvgI/ECNM2U
32zoN1n4ZLNlqr69bQMAomoyTL5uAZ7i7HDfa39ecOFFrRaHLuo
-----END RSA PRIVATE KEY-----
```

Virtual machine 2 running



```
Microsoft Windows [Version 10.0.22621.1105]
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C:\Users\Ankit kumar>cd Downloads

C:\Users\Ankit kumar\Downloads>ssh -i "pst-01.pem" ec2-user@44.213.89.47
Last login: Tue Jan 17 09:50:43 2023 from 49.249.92.50

  _ _ _ _ _
 _ _ _ _ _ /   Amazon Linux 2 AMI
 _ _ _ _ _

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-18-0-237 ~]$ ls
pst-01.pem
[ec2-user@ip-172-18-0-237 ~]$ ls -l
total 4
-r----- 1 ec2-user ec2-user 1675 Jan 17 09:23 pst-01.pem
[ec2-user@ip-172-18-0-237 ~]$ ssh -i pst-01.pem ec2-user@172.18.2.200
Last login: Tue Jan 17 09:32:26 2023 from 172.18.0.237

  _ _ _ _ _
 _ _ _ _ _ /   Amazon Linux 2 AMI
 _ _ _ _ _

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-18-2-200 ~]$
```