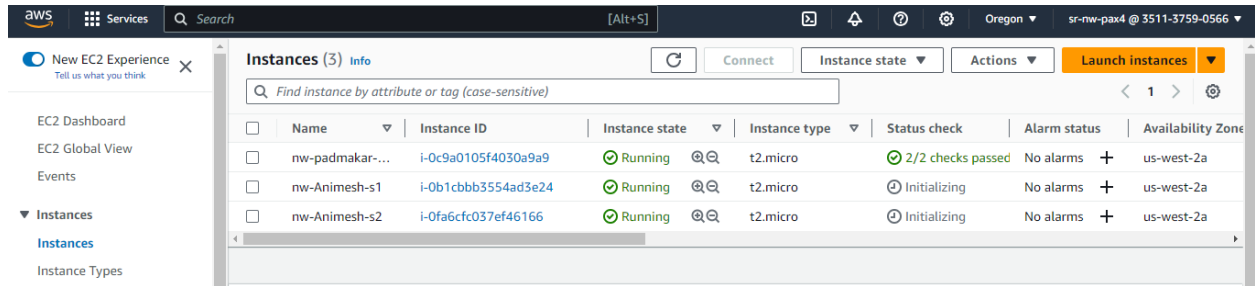


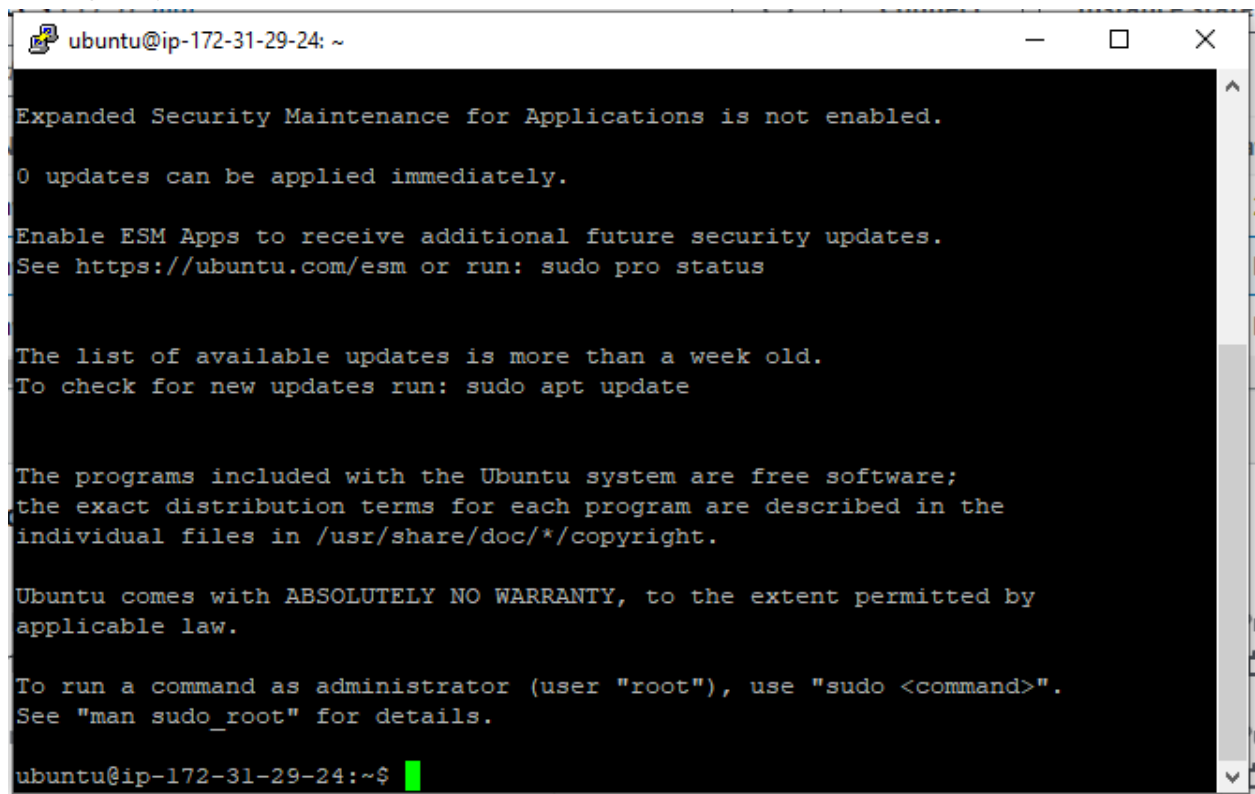
Aws / putty / connecting to 2nd server/ coping file :

1) Creating aws instance

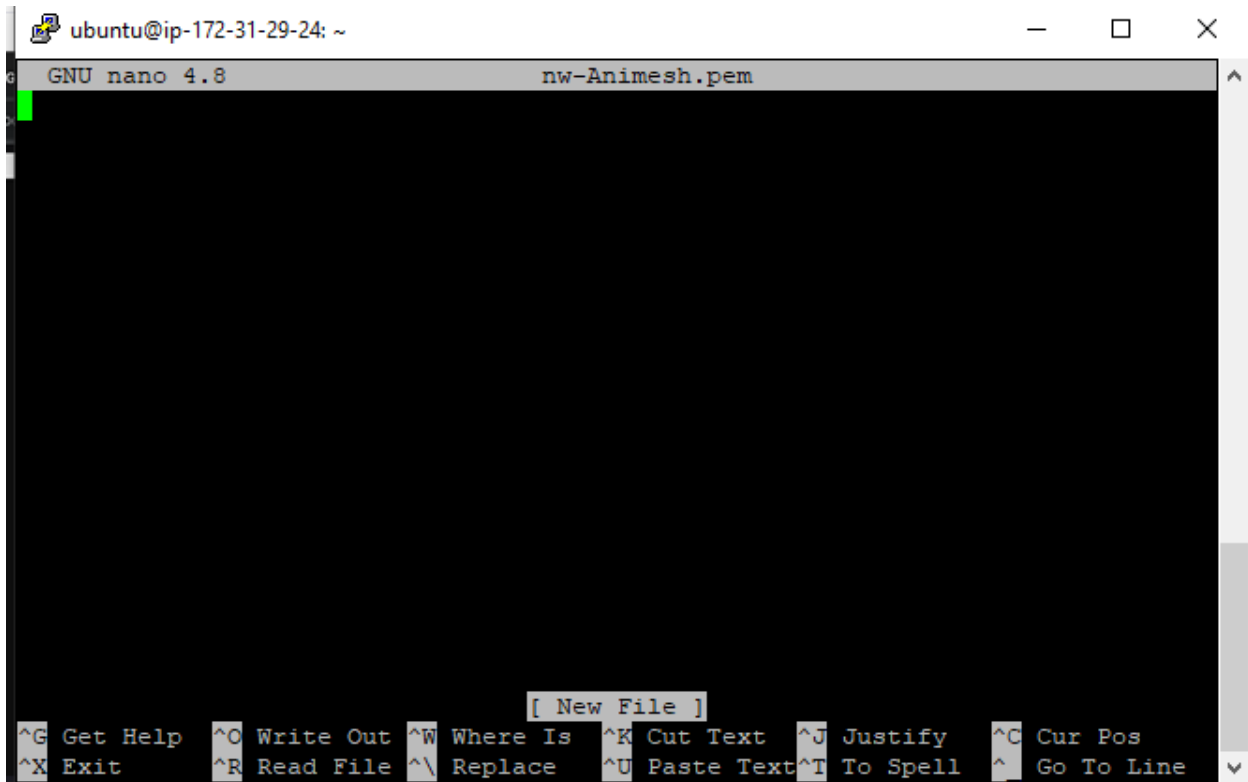


2)

Starting putty :



3)Opening pem file and copy key



```
ubuntu@ip-172-31-29-24: ~  
GNU nano 4.8 nw-Animesh.pem  
  
[ New File ]  
^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos  
^X Exit      ^R Read File ^\ Replace   ^U Paste Text ^T To Spell  ^_ Go To Line
```

4) copy key

```
ubuntu@ip-172-31-29-24: ~  
e4c9DmUgx7AD0ajh+xFwqdOhzh1ZUvmFkIU3dwWQVIza/yfsiYxEhMw2FP+o3WAE  
HhwbKcY8sEmE8YCvrLxoZprKI/NOWF7N17z+pMa5MFkedBtGhN6kl3vv/ray5C8S  
Be98d2slcA4eEelejco10YYiA6S0wBVI49nqxwIDAQABAoIBAEBfSBI2lhftWC/g  
Ay2Vr8C4UK6d2X0a4wz6QQIU/deoU+7pAphMHLr3/JUZmb1FDhMPe6emN43+GvM0  
el2B8AJ0m8SrG6eWbcC4Bt7w0viYtu8KFq2avAiLnGshkVAKcSsTgsgunZMt8jpd  
UW1NE7sGbyd8aRHGI1+djKZPoADURWLEEGEGke2GYXyW4ndoPIsDMh52X0qKL9Hi  
S7u4x2hnJ+o7JJYM5yR3ytYqjIjF40jEy2sPjUVWncE/cCmX114r+L0BwEge8tKm  
iIKDprx+WujwD5gp4rwwh9IIs1hZbtXP1FjW7Xva2R+Zo0BvKxexsLxApBX2nEhB  
5jSxXhECgYEA/OfZbrWYECvuHPXdivAPIeEC0u8AV5F4orlqQQA4rhuJjR35zme  
FncWhVVGWpakSMEHZczI7O69Cblcjrc01D1/XD+xmqPsmF/S1NYZ7fpbjmAHgOsv  
kKkM404e8nMnGuBoR8nfSDJvCR0n5tKwxuOHVOAb09+POM7Xn7gnVq0CgYEA5S2p  
DKGJqwmvHrrGSKwdt10w0SU5vU3hFwFNN6cJgL3o3Jluw4iJpXgeVMRV2ub41CMk  
qARCqAJBBN03koUG6gSEQ+X/sBbKqqd6g2ca8HkrXk64Ook6JrMdjsTyDfPFScwP  
PeRysj9uuJ0fuc7QeuM7/5jmI8VT9nh5VmmcGcMCgYBksTa7wmdZwPPb6fQb9jpA  
JeNG8ktzkGKy4LFmRqEno4CPi4JVuHX9wcpqgb5kMugT42671E5HLOJq1087rxyJ  
3V6c7usag7uWa0h43wmR24UKaadzJ7BXa0crVRYzN6/RHpnGQ1S33QSiW4YU+7vQ  
ZBSksVnDAJZ4arok6GA2PQKBgQCV/KMVZCcgLYJmfCBIAbaoYhsPlcgLD4wPrUdm  
88fxXNiofzYRfCtXgsJ/AZuazuzCrplP6LHjGM6Kq2iyWKNkxp3lffIvwUrUEXXI  
J9NmrDZo2yYRETxglXrztAsifHaSzJzxCbDS3VbPri+cQDELK+pZZizAHmXL+Z6X  
ojiKVwKBgHvGxPJJSiGrawlJMuopQlWpf8V9uUPjTbilGqk7CR3tLvHxRlhlfv3P2  
F9/JUAIhc9EqJ+h563cmL8hAes1lpgfsls00iuyZgodxuPBXdtgtgb616QIbwXWMI  
O6DC/vXRZ+moAcN6qMz2vJvQnYuM4NyqdKgU0za5CNSGVcvZMW5o  
-----END RSA PRIVATE KEY-----  
ubuntu@ip-172-31-29-24:~$
```

5) giving permission to ubuntu:

```
O6DC/vXRZ+moAcN6qMz2vJvQnYuM4NyqdKgU0za5CNSGVcvZMW5o  
-----END RSA PRIVATE KEY-----  
ubuntu@ip-172-31-29-24:~$ chmod 400 nw-Animesh.pem  
ubuntu@ip-172-31-29-24:~$
```

6) connecting to second server:

```
F9/JUAIhc9EqJ+h563cmL8hAes1lpgfsls00iuyZgodxuPBXdtgtgb616QIbwXWMI  
O6DC/vXRZ+moAcN6qMz2vJvQnYuM4NyqdKgU0za5CNSGVcvZMW5o  
-----END RSA PRIVATE KEY-----  
ubuntu@ip-172-31-29-24:~$ chmod 400 nw-Animesh.pem  
ubuntu@ip-172-31-29-24:~$ ssh -i nw-Animesh.pem ubuntu@172.31.28.145  
The authenticity of host '172.31.28.145 (172.31.28.145)' can't be established.  
ECDSA key fingerprint is SHA256:n0IxpwcQD+z4BCH0OA+V2vaVWiIEzj5Vd/Flxy56nfg.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added '172.31.28.145' (ECDSA) to the list of known hosts.  
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1036-aws x86_64)
```

7) giving server name

```
ubuntu@ip-172-31-28-145:~$ sudo hostname2
sudo: hostname2: command not found
ubuntu@ip-172-31-28-145:~$ sudo hostname s2
ubuntu@ip-172-31-28-145:~$ exit
```

8) copying file from 1 server to other

```
Connection to 172.31.28.145 closed.
ubuntu@s1:~$ scp -i nw-Animesh.pem nw-Animesh.pem ubuntu@172.31.28.145:/home/ubuntu/
nw-Animesh.pem 100% 1675 2.5MB/s 00:00
```

9) copying file from 1 server to other

```
ubuntu@s1:~$ scp -i nw-Animesh.pem spark.py ubuntu@172.31.28.145:/home/ubuntu/
spark.py 100% 0 0.0KB/s 00:00
ubuntu@s1:~$ scp -i nw-Animesh.pem kafka.txt ubuntu@172.31.28.145:/home/ubuntu/
kafka.txt 100% 0 0.0KB/s 00:00
ubuntu@s1:~$
```

10) going to .profile file (nano .profile)

```
ubuntu@s1: ~
GNU nano 4.8 .profile Modified
# if running bash
if [ -n "$BASH_VERSION" ]; then
    # include .bashrc if it exists
    if [ -f "$HOME/.bashrc" ]; then
        . "$HOME/.bashrc"
    fi
fi

# set PATH so it includes user's private bin if it exists
if [ -d "$HOME/bin" ] ; then
    PATH="$HOME/bin:$PATH"
fi

# set PATH so it includes user's private bin if it exists
if [ -d "$HOME/.local/bin" ] ; then
    PATH="$HOME/.local/bin:$PATH"
fi

eval `ssh-agent` ssh-add /home/ubuntu/nw-Animesh.pem
```

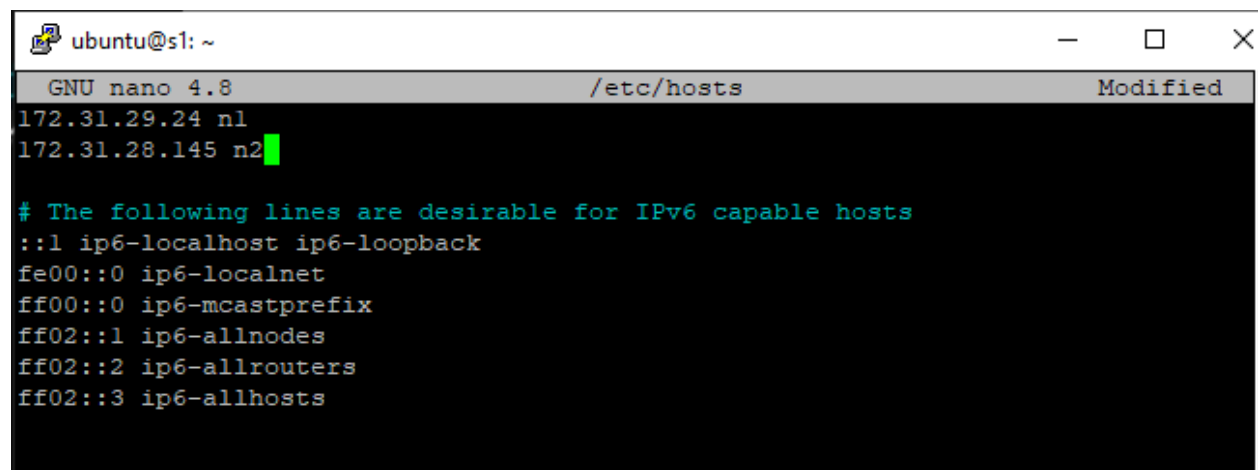
11) added identity

```
ubuntu@s1:~$ bash .profile
ubuntu@s1:~$ nano .profile
ubuntu@s1:~$ source .profile
Agent pid 2065
Identity added: /home/ubuntu/nw-Animesh.pem (/home/ubuntu/nw-Animesh.pem)
ubuntu@s1:~$
```

12) editing server path

```
Connection to 172.31.28.145 closed.
ubuntu@s1:~$ sudo nano /etc/hosts
ubuntu@s1:~$ sudo nano /etc/hosts
ubuntu@s1:~$
```

13) editing server path



```
ubuntu@s1: ~
GNU nano 4.8 /etc/hosts Modified
172.31.29.24 n1
172.31.28.145 n2

# The following lines are desirable for IPv6 capable hosts
::1 ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
ff02::3 ip6-allhosts
```

14) connecting

```
ubuntu@s2:~$ exit
logout
Connection to 172.31.28.145 closed.
ubuntu@s1:~$ sudo nano /etc/hosts
ubuntu@s1:~$ sudo nano /etc/hosts
ubuntu@s1:~$ sudo nano /etc/hosts
ubuntu@s1:~$ ssh s2
```