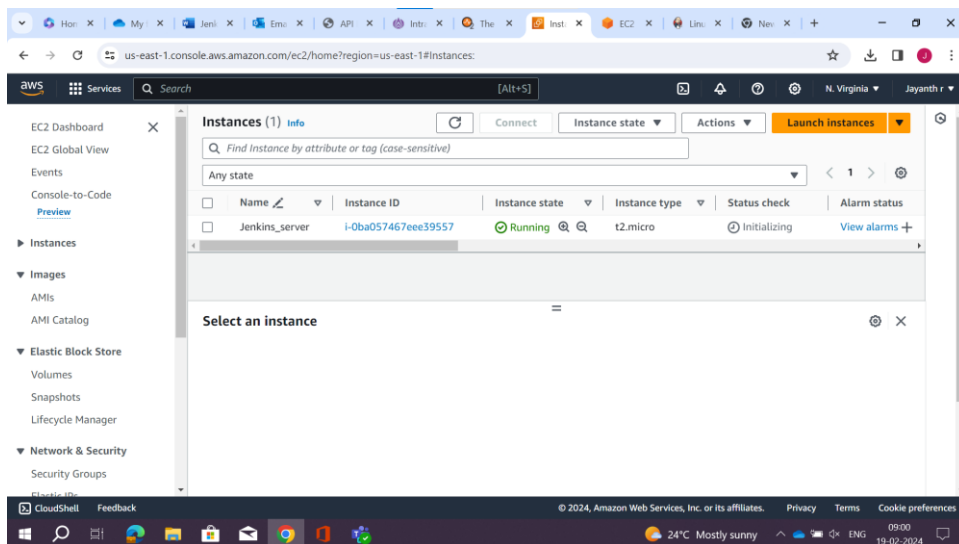


Jenkins and AWS

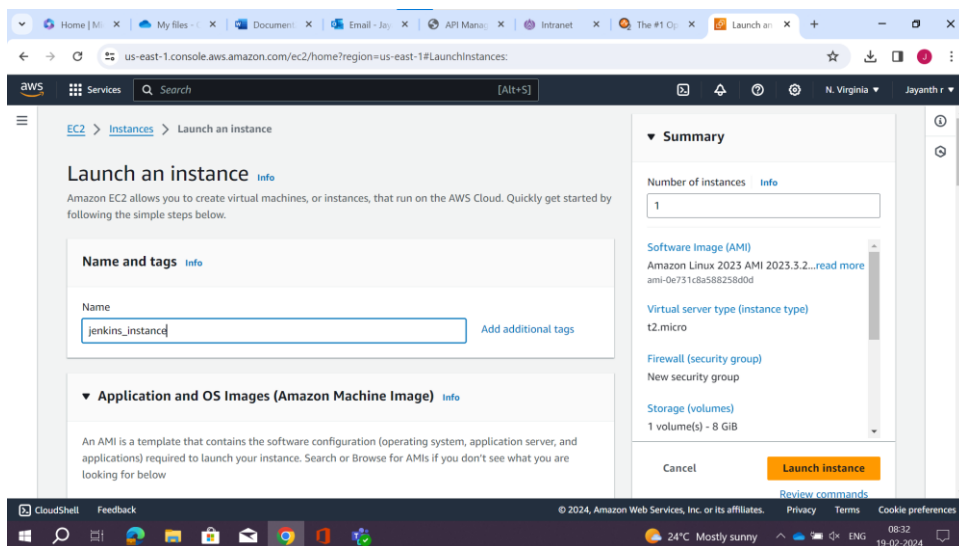
Jayanth r
ACE11696

Here are the steps for Creating Jenkins in AWS.

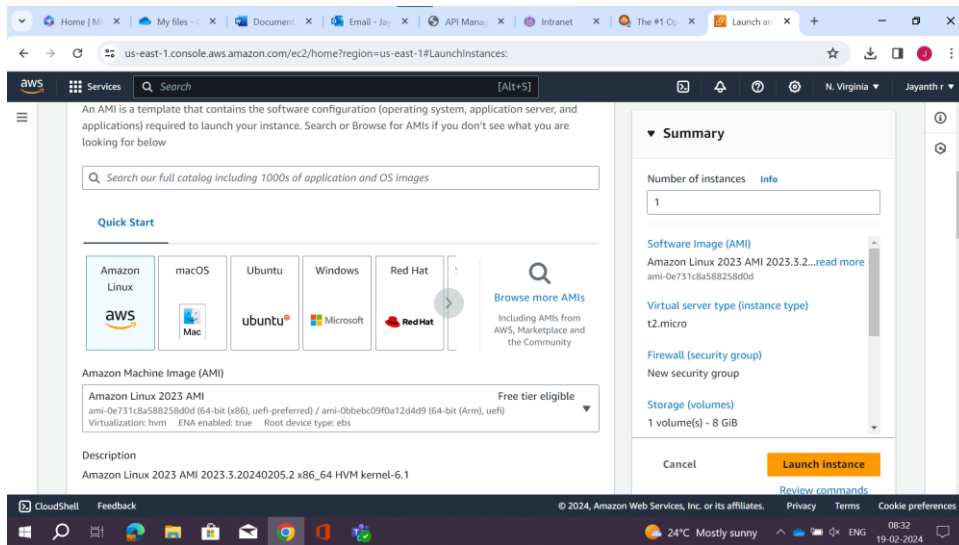
Step 1: Navigate to the EC2 service in navigation bar and give launch instance there.



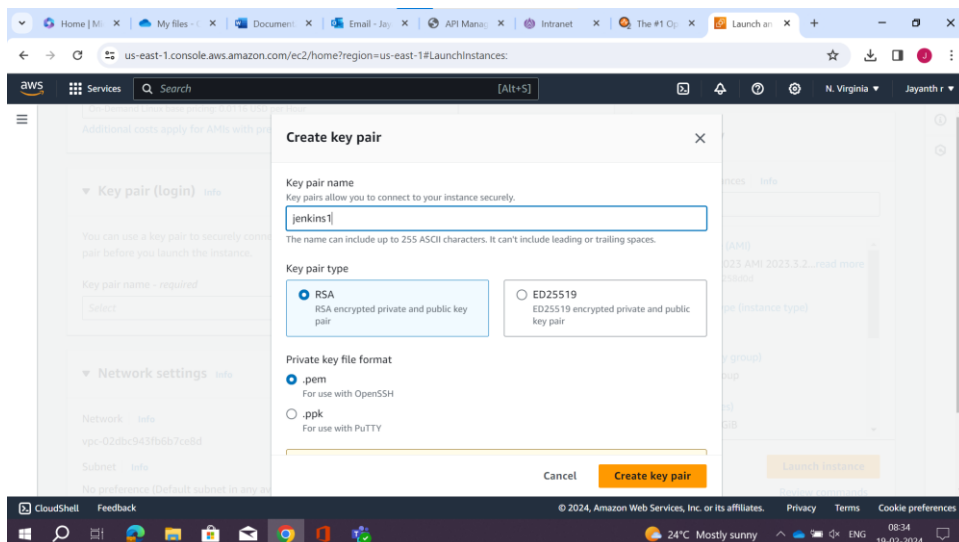
Step 2: Give the EC2 service name.



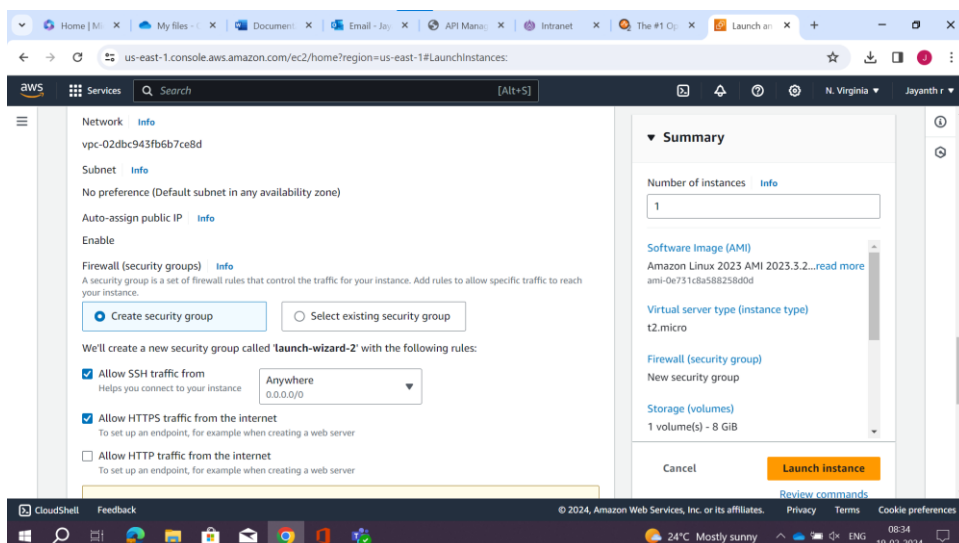
Step 3: Select OS AMI.



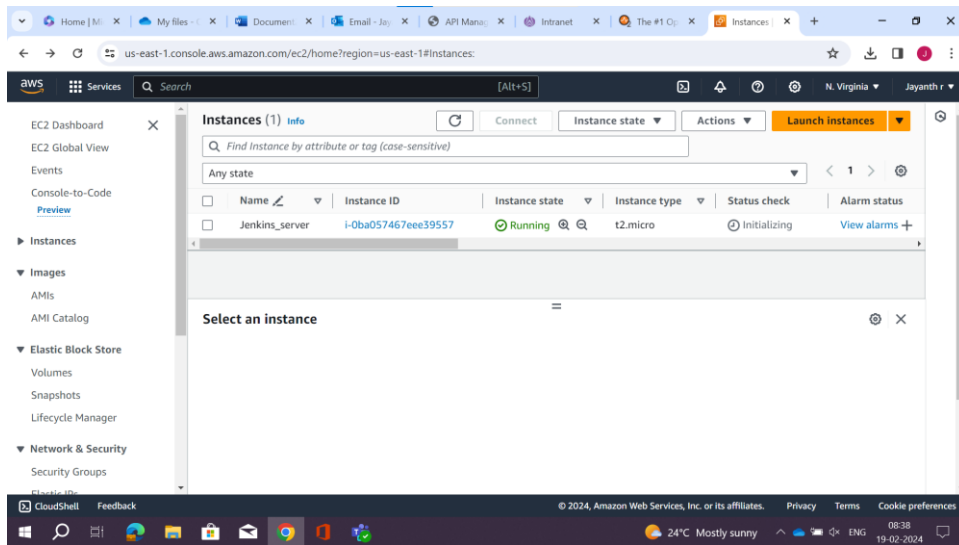
Step 4: Create Key pair.



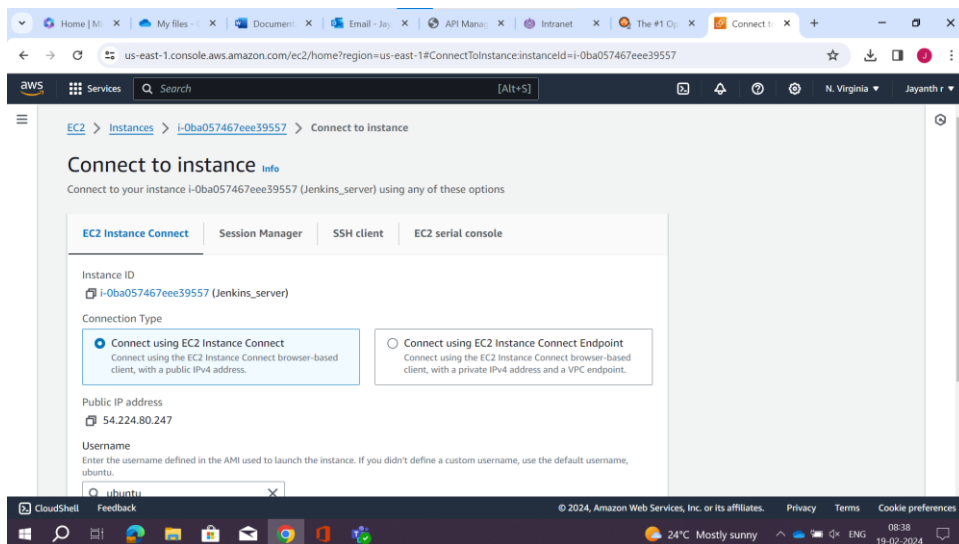
Step 5: Select Network Settings.



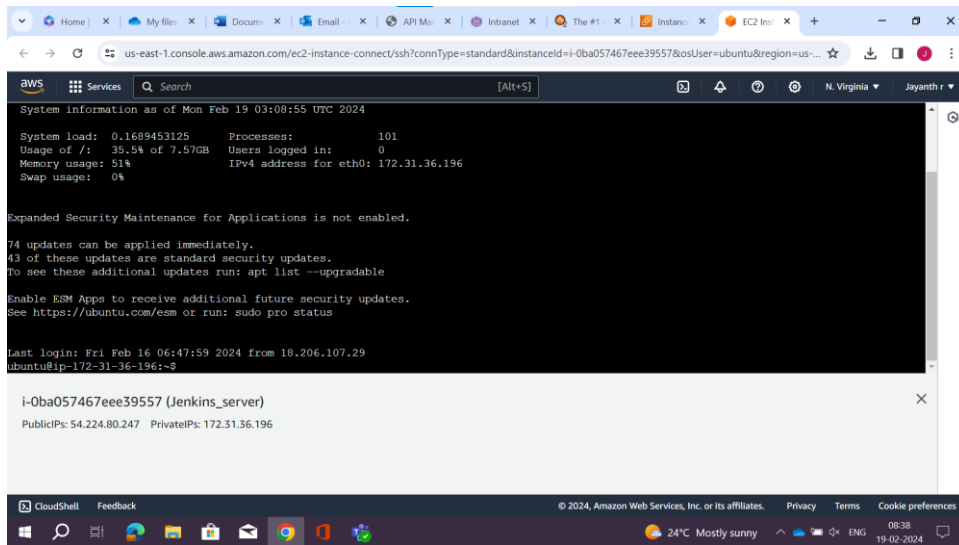
Step 6: After Creating it will start running.



Step 7: Connect to instance using ec2 connect.



Step 8: Now Your virtual Machine is ready to use.



```
System information as of Mon Feb 19 03:08:55 UTC 2024
System load: 0.1689453125      Processes: 101
Usage of /: 35.5% of 7.57GB    Users logged in: 0
Memory usage: 51%             IPv4 address for eth0: 172.31.36.196
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

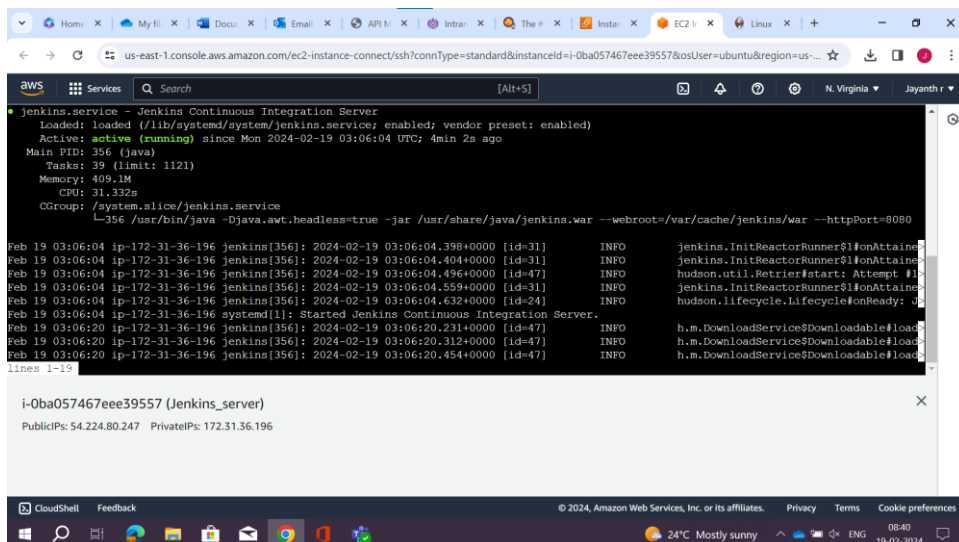
74 updates can be applied immediately.
43 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Fri Feb 16 06:47:59 2024 from 18.206.107.29
ubuntu@ip-172-31-36-196:~$
```

i-0ba057467eee39557 (Jenkins_server)
PublicIPs: 54.224.80.247 PrivateIPs: 172.31.36.196

Step 9: Install Java and Jenkins Using Commands.



```
* jenkins.service - Jenkins Continuous Integration Server
Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled)
Active: active (running) since Mon 2024-02-19 03:06:04 UTC; 4min 2s ago
Main PID: 356 (java)
Tasks: 39 (limit: 1121)
Memory: 409.1M
CPU: 31.232s
CGroup: /system.slice/jenkins.service
└─356 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080

Feb 19 03:06:04 ip-172-31-36-196 jenkins[356]: 2024-02-19 03:06:04.398+0000 [id=31] INFO jenkins.InitReactorRunner$1 onAttained
Feb 19 03:06:04 ip-172-31-36-196 jenkins[356]: 2024-02-19 03:06:04.404+0000 [id=31] INFO jenkins.InitReactorRunner$1 onAttained
Feb 19 03:06:04 ip-172-31-36-196 jenkins[356]: 2024-02-19 03:06:04.496+0000 [id=47] INFO hudson.util.Retrier$1 start: Attempt #1
Feb 19 03:06:04 ip-172-31-36-196 jenkins[356]: 2024-02-19 03:06:04.559+0000 [id=31] INFO jenkins.InitReactorRunner$1 onAttained
Feb 19 03:06:04 ip-172-31-36-196 jenkins[356]: 2024-02-19 03:06:04.632+0000 [id=24] INFO hudson.lifecycle.Lifecycle#onReady: up
Feb 19 03:06:04 ip-172-31-36-196 systemd[1]: Started Jenkins Continuous Integration Server.
Feb 19 03:06:20 ip-172-31-36-196 jenkins[356]: 2024-02-19 03:06:20.231+0000 [id=47] INFO h.m.DownloadService$Downloadable#load
Feb 19 03:06:20 ip-172-31-36-196 jenkins[356]: 2024-02-19 03:06:20.312+0000 [id=47] INFO h.m.DownloadService$Downloadable#load
Feb 19 03:06:20 ip-172-31-36-196 jenkins[356]: 2024-02-19 03:06:20.454+0000 [id=47] INFO h.m.DownloadService$Downloadable#load
```

i-0ba057467eee39557 (Jenkins_server)
PublicIPs: 54.224.80.247 PrivateIPs: 172.31.36.196

Step 10: Navigate to the Public Ip address you can see Jenkins running.

