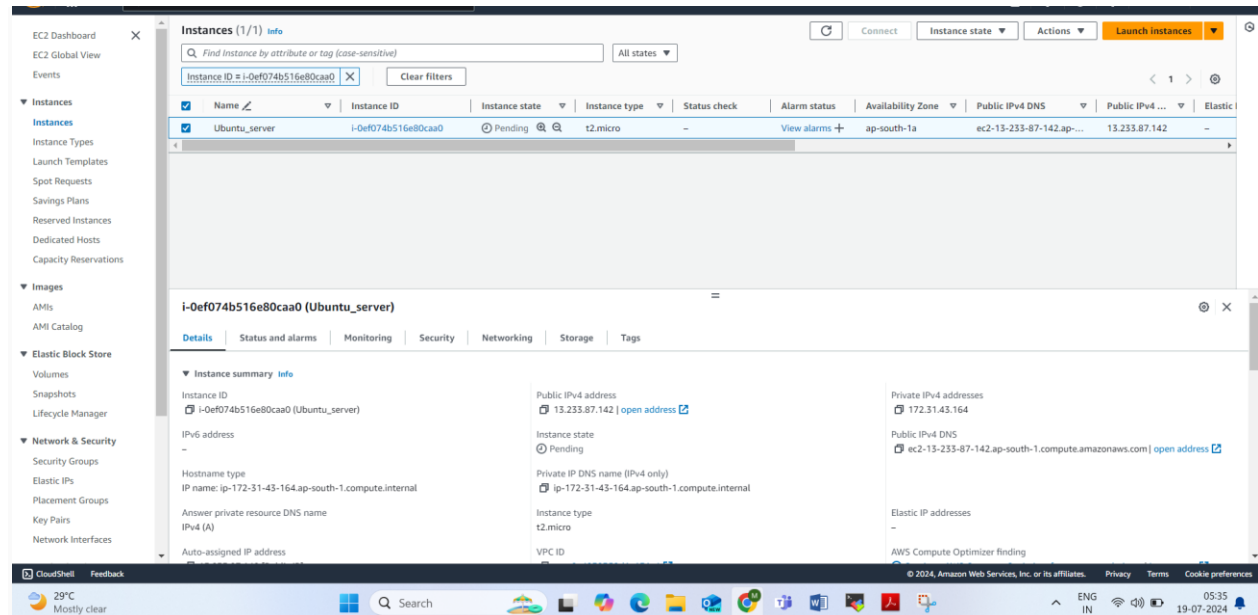
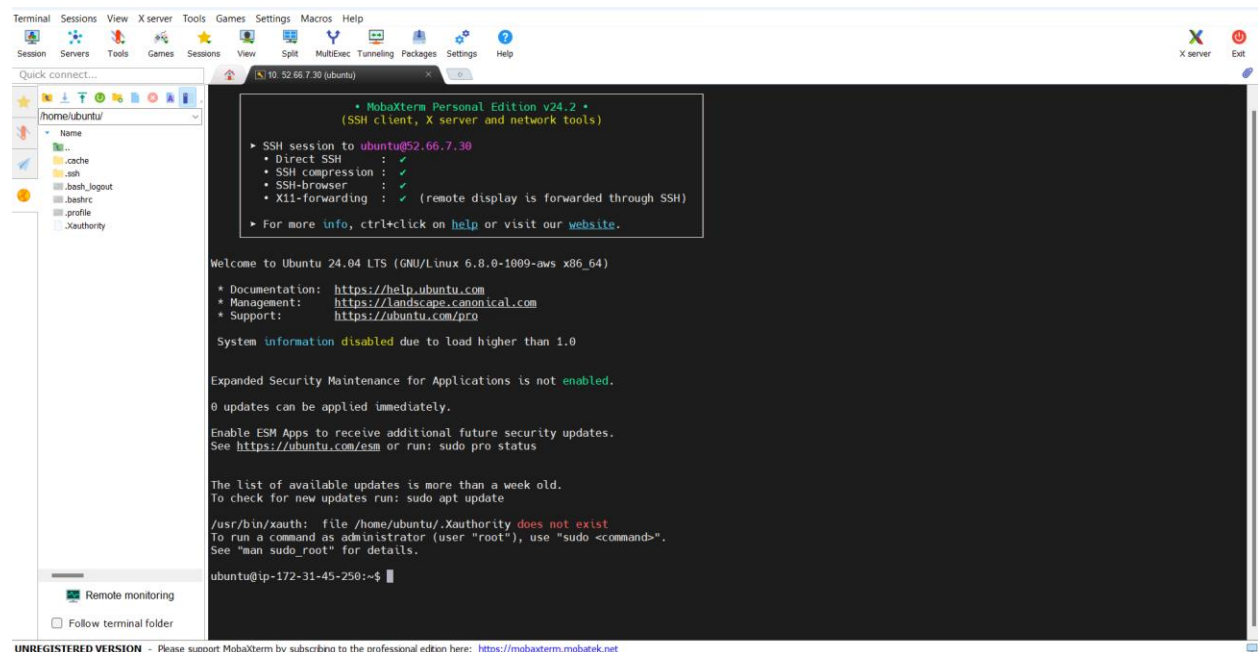


4. L4Connect to the AWS EC2 Ubuntu Instance and Update default packages, install JDK, Maven, Git, and validate the versions

Step 1 :- install the AWS EC2 Ubuntu instance



Step2 : Connect to mobaxterm

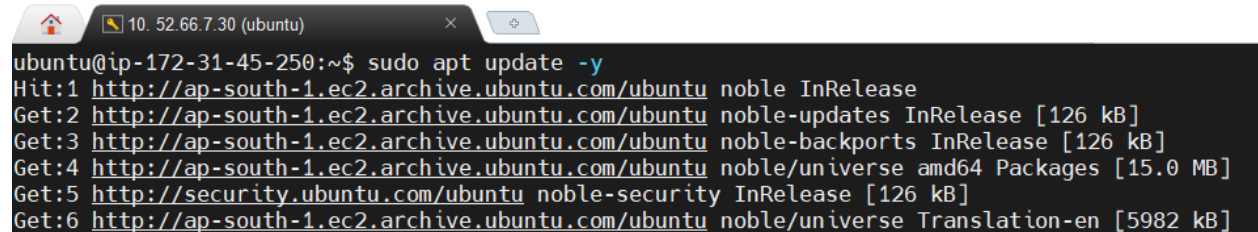


Step 3:

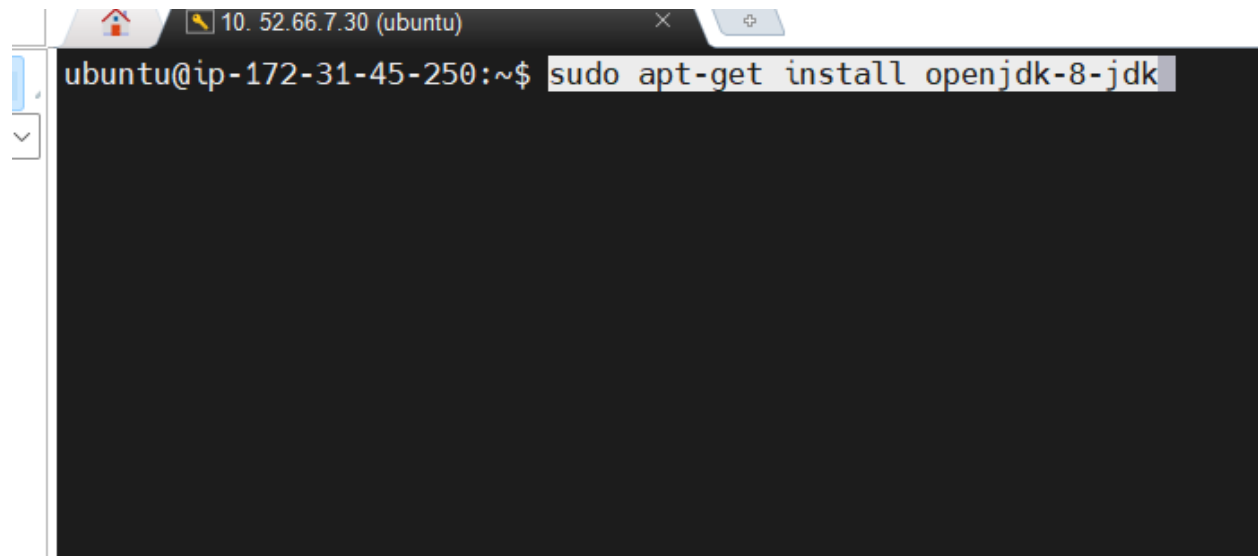
Perform the following command and Clear the screen

Clear

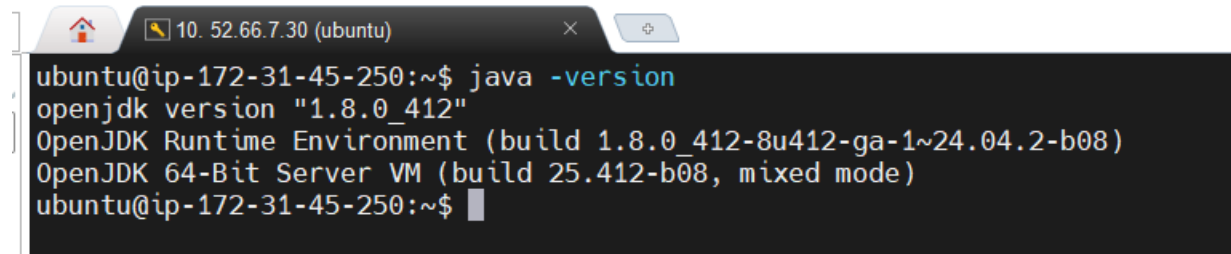
sudo apt update -y



```
ubuntu@ip-172-31-45-250:~$ sudo apt update -y
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
```



```
ubuntu@ip-172-31-45-250:~$ sudo apt-get install openjdk-8-jdk
```



```
ubuntu@ip-172-31-45-250:~$ java -version
openjdk version "1.8.0_412"
OpenJDK Runtime Environment (build 1.8.0_412-8u412-ga-1~24.04.2-b08)
OpenJDK 64-Bit Server VM (build 25.412-b08, mixed mode)
ubuntu@ip-172-31-45-250:~$
```

Step 4 : Installing maven

Execute command below to install maven

Sudo apt install maven -y

```
ubuntu@ip-172-31-32-100:~$ sudo apt install maven
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  alsa-topology-conf alsa-ucm-conf ca-certificates-java default-jre-headless fontconfig-config fonts-dejavu-core fonts-dejavu-mono java-common
  libaopalliance-java libapache-pom-java libasound2-data libasound2t64 libatinject-jsr330-api-java libavahi-client3 libavahi-common-data libavahi-common3
  libcdi-api-java libcommons-cli-java libcommons-io-java libcommons-lang3-java libcommons-parent-java libcups2t64 liberror-prone-java libfontconfig1
  libgeronimo-annotation-1.3-spec-java libgeronimo-interceptor-3.0-spec-java libgraphite2-3 libguava-java libguice-java libharfbuzz0b libjansi-java
  libjpeg-turbo8 libjpeg8 libjsr305-java liblcms2-2 libmaven-parent-java libmaven-resolver-java libmaven-shared-utils-java libmaven3-core-java libpcsclite1
  libplexus-cipher-java libplexus-classworlds-java libplexus-component-annotations-java libplexus-interpolation-java libplexus-sec-dispatcher-java
  libplexus-utils2-java libsisu-inject-java libsisu-plexus-java libslf4j-java libwagon-file-java libwagon-http-shaded-java libwagon-provider-api-java
  openjdk-21-jre-headless
Suggested packages:
  default-jre alsa-utils libasound2-plugins libatinject-jsr330-api-java-doc libel-api-java libcommons-io-java-doc cups-common libasm-java libcglib-java
  libjsr305-java-doc liblcms2-utils libmaven-shared-utils-java-doc liblogback-java pscd libplexus-utils2-java-doc junit4 testng libcommons-logging-java
  liblog4j1.2-java libnss-mdns fonts-dejavu-extra fonts-ipafont-gothic fonts-ipafont-mincho fonts-wqy-microhei | fonts-wqy-zenhei fonts-indic
The following NEW packages will be installed:
  alsa-topology-conf alsa-ucm-conf ca-certificates-java default-jre-headless fontconfig-config fonts-dejavu-core fonts-dejavu-mono java-common
```

mvn –version to check the version of maven

```
ubuntu@ip-172-31-45-250:~$ mvn -version
Apache Maven 3.8.7
Maven home: /usr/share/maven
Java version: 1.8.0_412, vendor: Private Build, runtime: /usr/lib/jvm/java-8-openjdk-amd64/jre
Default locale: en, platform encoding: UTF-8
OS name: "linux", version: "6.8.0-1009-aws", arch: "amd64", family: "unix"
ubuntu@ip-172-31-45-250:~$
```

Step 4 : Installing git

Execute command below to install maven

sudo apt install git -y

```
ubuntu@ip-172-31-32-100:~$ sudo apt install git -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
git is already the newest version (1:2.43.0-1ubuntu7.1).
git set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 22 not upgraded.
ubuntu@ip-172-31-32-100:~$ git -version
```

To check the git version execute the command

git --version

```
[--config-env=<name>=<envvar>]
ubuntu@ip-172-31-32-100:~$ git --version
git version 2.43.0
ubuntu@ip-172-31-32-100:~$
```