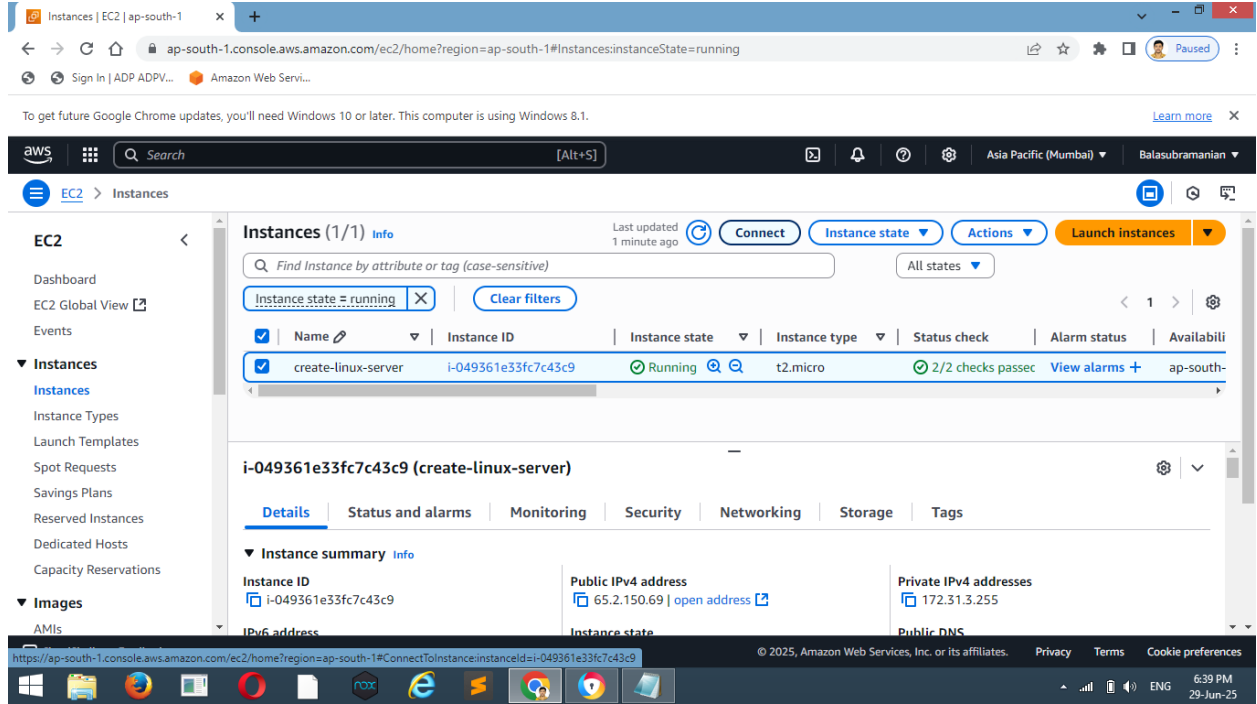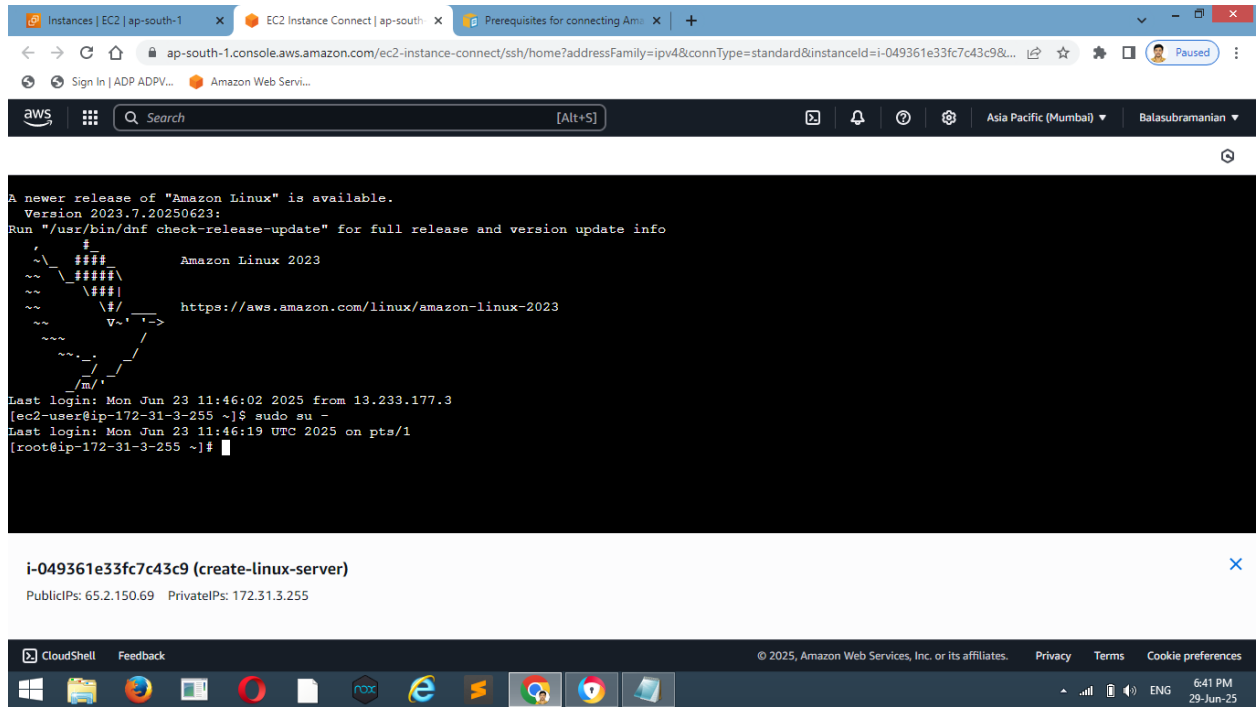# MAVEN BUILD PROJECT

SUMMARY: **BUILD AND COMPILED JAVA APPLICATIONS USING MAVEN INSIDE AN EC2 INSTANCE**
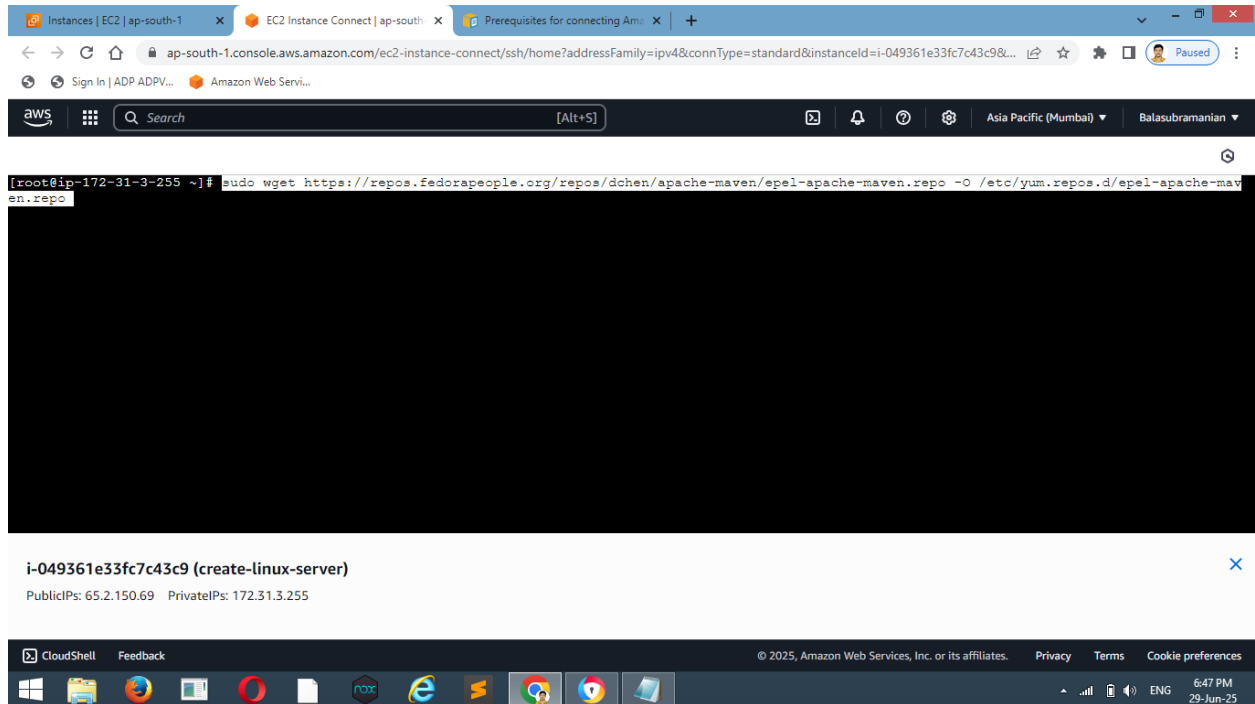
STEP 1: **FIRST GO TO EC2 SERVICE AND CONNECT EC2 INSTANCE – I WILL CHOOSE LINUX INSTANCE TO CONNECT**
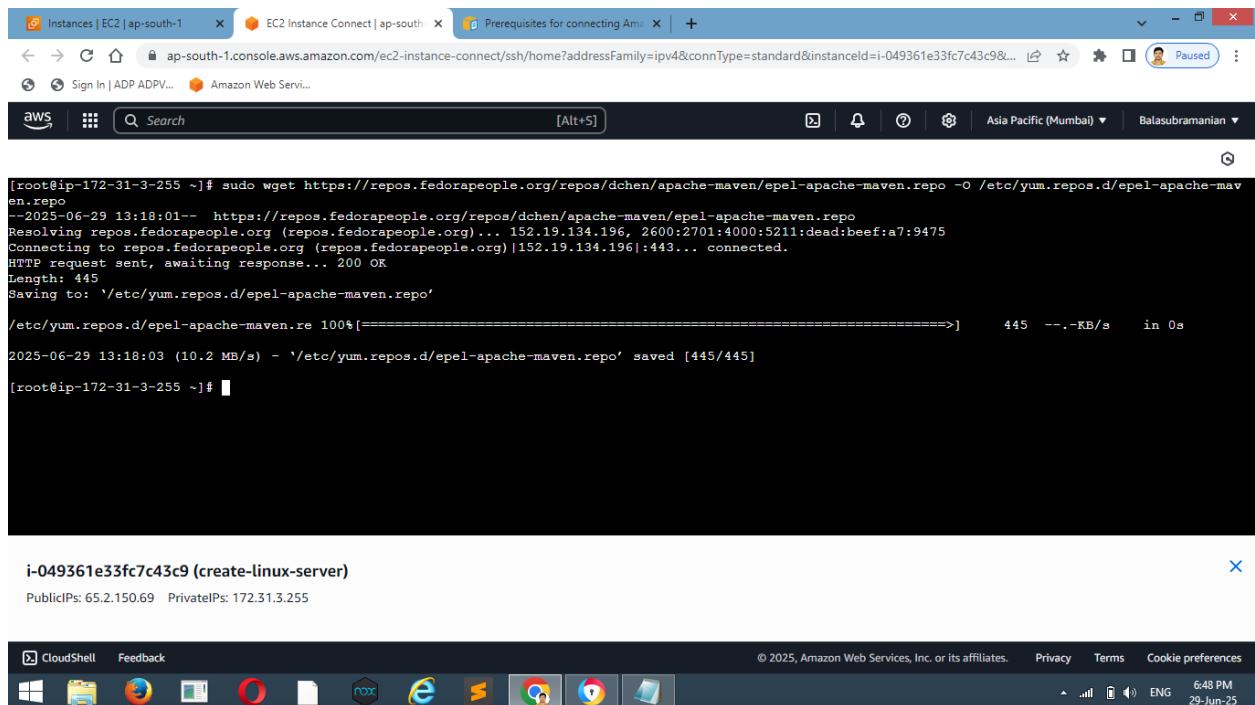

STEP 2: **ENTERING ROOT USER TO LOGIN**

STEP 3: TO INSTALL APACHE MAVEN ON EC2 INSTANCE

```
[root@ip-172-31-3-255 ~]# sudo wget https://repos.fedorapeople.org/repos/dchen/apache-maven/epel-apache-maven.repo -O /etc/yum.repos.d/epel-apache-maven.repo
--2025-06-29 13:18:01--  https://repos.fedorapeople.org/repos/dchen/apache-maven/epel-apache-maven.repo
Resolving repos.fedorapeople.org (repos.fedorapeople.org)... 152.19.134.196, 2600:2701:4000:5211:dead:beef:a7:9475
Connecting to repos.fedorapeople.org (repos.fedorapeople.org)|152.19.134.196|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 445
Saving to: '/etc/yum.repos.d/epel-apache-maven.repo'

/etc/yum.repos.d/epel-apache-maven.re 100%[===================================================================>]     445  --.-KB/s    in 0s

2025-06-29 13:18:03 (10.2 MB/s) - '/etc/yum.repos.d/epel-apache-maven.repo' saved [445/445]

[root@ip-172-31-3-255 ~]# sudo sed -i s/\$releasever/6/g /etc/yum.repos.d/epel-apache-maven.repo
```

i-049361e33fc7c43c9 (create-linux-server)

PublicIPs: 65.2.150.69   PrivateIPs: 172.31.3.255

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6:48 PM
ENG
29-Jun-25

```
[root@ip-172-31-3-255 ~]# sudo wget https://repos.fedorapeople.org/repos/dchen/apache-maven/epel-apache-maven.repo -O /etc/yum.repos.d/epel-apache-maven.repo
--2025-06-29 13:18:01--  https://repos.fedorapeople.org/repos/dchen/apache-maven/epel-apache-maven.repo
Resolving repos.fedorapeople.org (repos.fedorapeople.org)... 152.19.134.196, 2600:2701:4000:5211:dead:beef:a7:9475
Connecting to repos.fedorapeople.org (repos.fedorapeople.org)|152.19.134.196|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 445
Saving to: '/etc/yum.repos.d/epel-apache-maven.repo'

/etc/yum.repos.d/epel-apache-maven.re 100%[===================================================================>]     445  --.-KB/s    in 0s

2025-06-29 13:18:03 (10.2 MB/s) - '/etc/yum.repos.d/epel-apache-maven.repo' saved [445/445]

[root@ip-172-31-3-255 ~]# sudo sed -i s/\$releasever/6/g /etc/yum.repos.d/epel-apache-maven.repo
[root@ip-172-31-3-255 ~]# sudo yum install -y apache-maven
```

i-049361e33fc7c43c9 (create-linux-server)

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STEP 4: TO INSTALL JAVA ON EC2 INSTANCE

STEP 5: TO SETUP CONFIG JAVA

```
     polkit-pkla-compat-0.1-19.amzn2023.0.2.x86_64          poppler-22.08.0-3.amzn2023.0.5.x86_64
     poppler-data-0.4.9-7.amzn2023.0.2.noarch              poppler-glib-22.08.0-3.amzn2023.0.5.x86_64
     pulseaudio-libs-15.0-5.amzn2023.0.4.x86_64            rsvg-pixbuf-loader-2.59.2-317.amzn2023.x86_64
     rtkit-0.11-26.amzn2023.0.2.x86_64                     shared-mime-info-2.2-2.amzn2023.0.1.x86_64
     sound-theme-freedesktop-0.8-22.amzn2023.noarch        tracker-3.7.3-3.amzn2023.0.1.x86_64
     tracker-miners-3.7.4-2.amzn2023.0.1.x86_64            upower-1.90.6-139.amzn2023.x86_64
     upower-libs-1.90.6-139.amzn2023.x86_64                webrtc-audio-processing-0.3.1-6.amzn2023.0.2.x86_64
     wireplumber-0.5.7-1.amzn2023.0.1.x86_64               wireplumber-libs-0.5.7-1.amzn2023.0.1.x86_64
     xdg-desktop-portal-1.18.4-105.amzn2023.x86_64         xdg-desktop-portal-gtk-1.15.1-61.amzn2023.x86_64
     xkeyboard-config-2.41-1.amzn2023.0.1.noarch           xprop-1.2.7-1.amzn2023.x86_64

Complete!
[root@ip-172-31-3-255 ~]# sudo /usr/sbin/alternatives --config java

There are 3 programs which provide 'java'.

  Selection        Command
-----------------------------------------------
*+ 1             /usr/lib/jvm/java-24-amazon-corretto.x86_64/bin/java
   2             /usr/lib/jvm/java-17-amazon-corretto.x86_64/bin/java
   3             /usr/lib/jvm/java-1.8.0-amazon-corretto.x86_64/jre/bin/java

Enter to keep the current selection[+], or type selection number: 3
```

i-049361e33fc7c43c9 (create-linux-server)

PublicIPs: 65.2.150.69   PrivateIPs: 172.31.3.255

```
     poppler-data-0.4.9-7.amzn2023.0.2.noarch              poppler-glib-22.08.0-3.amzn2023.0.5.x86_64
     pulseaudio-libs-15.0-5.amzn2023.0.4.x86_64            rsvg-pixbuf-loader-2.59.2-317.amzn2023.x86_64
     rtkit-0.11-26.amzn2023.0.2.x86_64                     shared-mime-info-2.2-2.amzn2023.0.1.x86_64
     sound-theme-freedesktop-0.8-22.amzn2023.noarch        tracker-3.7.3-3.amzn2023.0.1.x86_64
     tracker-miners-3.7.4-2.amzn2023.0.1.x86_64            upower-1.90.6-139.amzn2023.x86_64
     upower-libs-1.90.6-139.amzn2023.x86_64                webrtc-audio-processing-0.3.1-6.amzn2023.0.2.x86_64
     wireplumber-0.5.7-1.amzn2023.0.1.x86_64               wireplumber-libs-0.5.7-1.amzn2023.0.1.x86_64
     xdg-desktop-portal-1.18.4-105.amzn2023.x86_64         xdg-desktop-portal-gtk-1.15.1-61.amzn2023.x86_64
     xkeyboard-config-2.41-1.amzn2023.0.1.noarch           xprop-1.2.7-1.amzn2023.x86_64

Complete!
[root@ip-172-31-3-255 ~]# sudo /usr/sbin/alternatives --config java

There are 3 programs which provide 'java'.

  Selection        Command
-----------------------------------------------
*+ 1             /usr/lib/jvm/java-24-amazon-corretto.x86_64/bin/java
   2             /usr/lib/jvm/java-17-amazon-corretto.x86_64/bin/java
   3             /usr/lib/jvm/java-1.8.0-amazon-corretto.x86_64/jre/bin/java

Enter to keep the current selection[+], or type selection number: 3
[root@ip-172-31-3-255 ~]# sudo /usr/sbin/alternatives --config javac
```

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STEP 6: TO CHECK MAVEN VERSION

STEP 7: TO GENERATE MAVEN PROJECT USING BY MAVEN COMMENT

STEP 8: TO INSTALL TREE IN LINUX ON EC2

STEP 9: TO VISIT THE FILE

STEP 10: THEN TO USE MAVEN INSTALL COMMENT

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STEP 11: TO USE MAVEN COMPILE COMMENT

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STEP 12: TO USE MAVEN TEST COMMENT

STEP 13: TO RUN JAVA COMMENT

STEP 14: SUCCESSFULLY BUILD ON JAVA FILE IN MAVEN