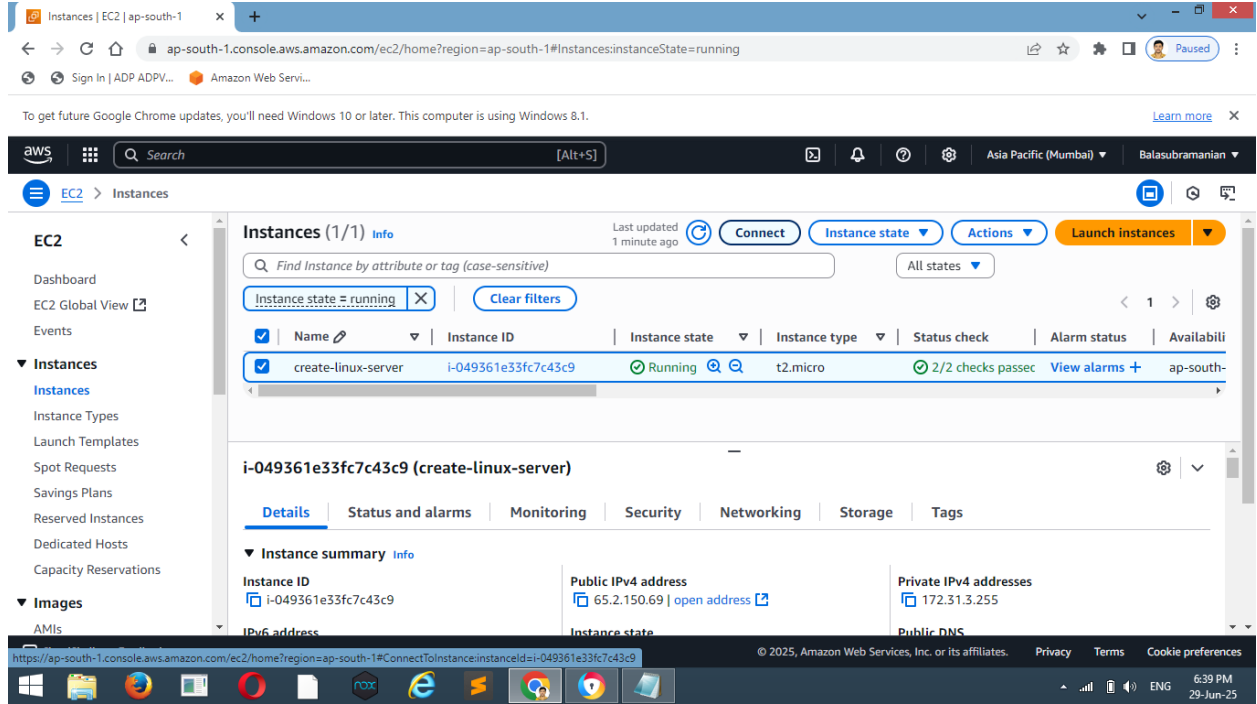


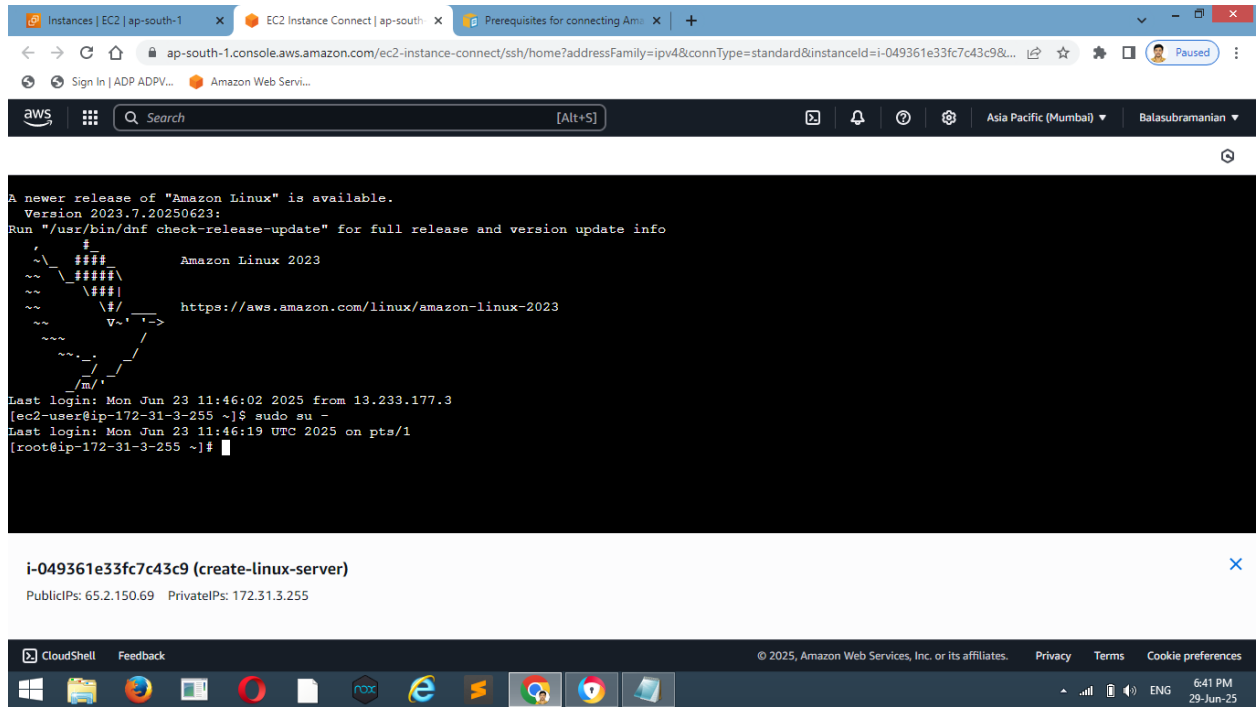
MAVEN BUILD PROJECT

SUMMARY: BUILD AND COMPILED JAVA APPLICATIONS USING MAVEN INSIDE AN EC2 INSTANCE

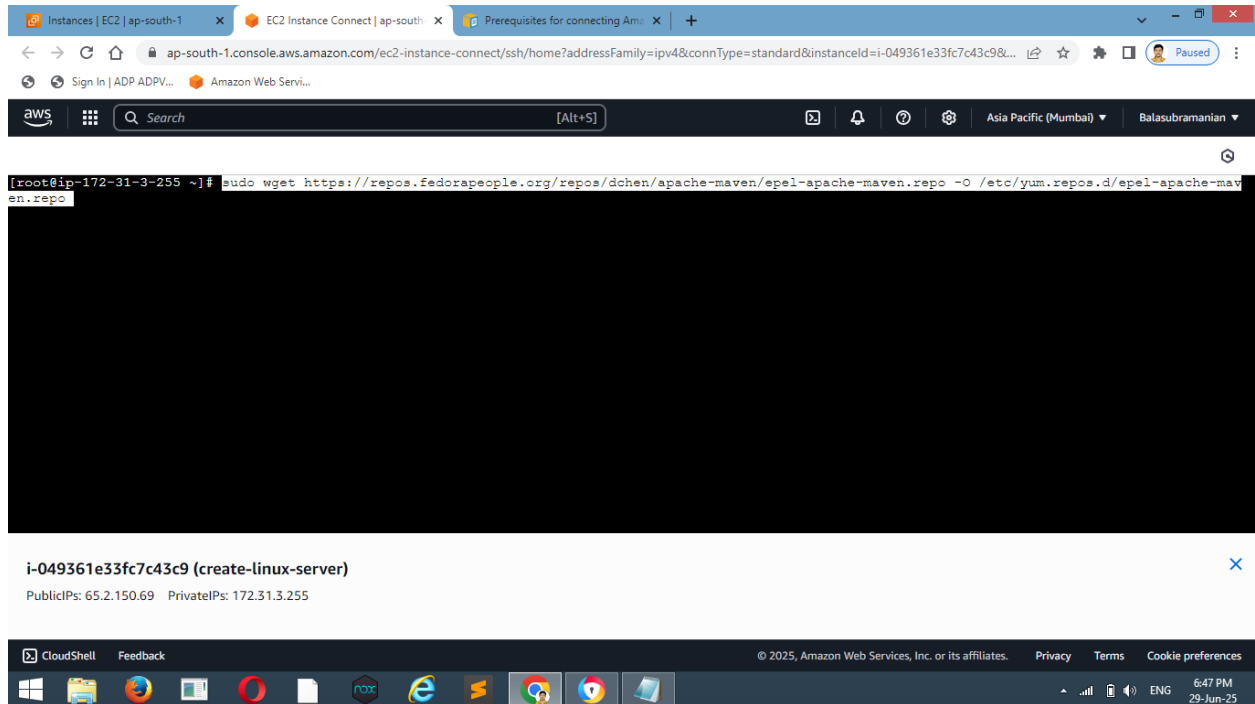
STEP 1: FIRST GO TO EC2 SERVICE AND CONNECT EC2 INSTANCE – I WILL CHOOSE LINUX INSTANCE TO CONNECT



STEP 2: ENTERING ROOT USER TO LOGIN



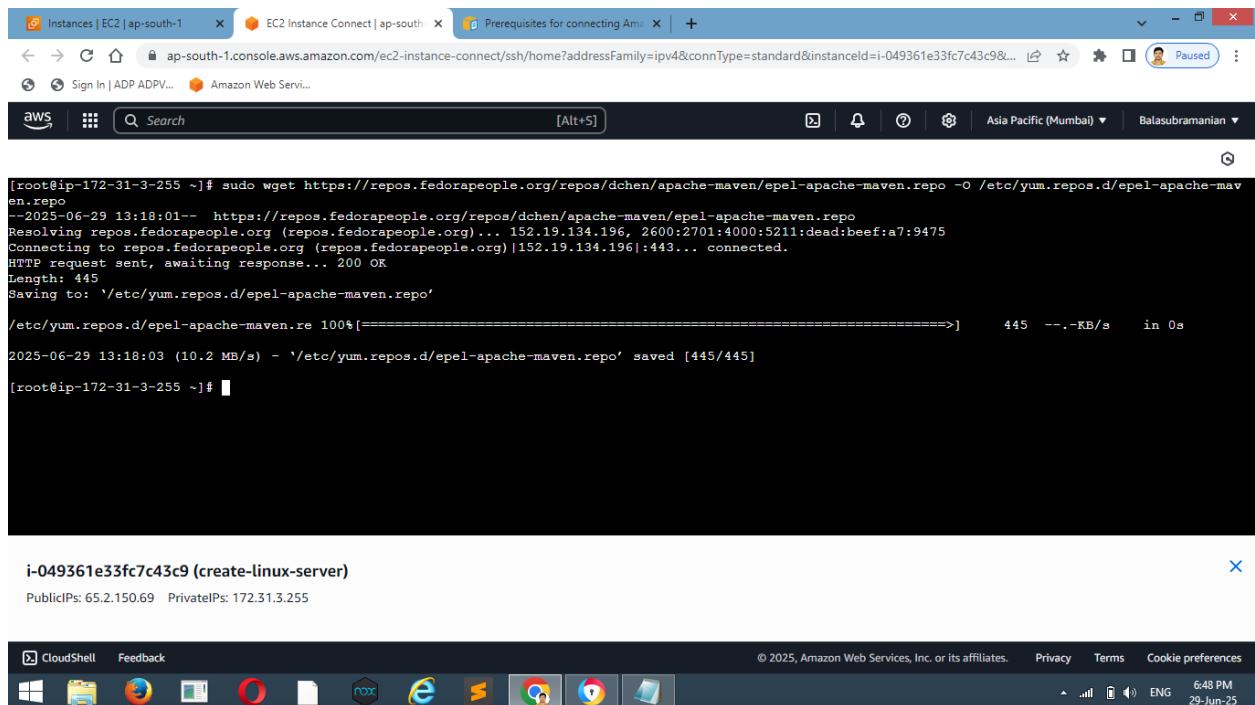
STEP 3: TO INSTALL APACHE MAVEN ON EC2 INSTANCE



The screenshot shows the AWS Management Console interface for an EC2 instance named 'ap-south-1'. The terminal window displays the command to download the Apache Maven repository file from the Fedora People repository. The command is: `sudo wget https://repos.fedorapeople.org/repos/dchen/apache-maven/epel-apache-maven.repo -O /etc/yum.repos.d/epel-apache-maven.repo`. The output shows the file being downloaded and saved to the specified location.

```
[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
```

i-049361e33fc7c43c9 (create-linux-server)
PublicIPs: 65.2.150.69 PrivateIPs: 172.31.3.255



The screenshot shows the AWS Management Console interface for an EC2 instance named 'ap-south-1'. The terminal window displays the command to download the Apache Maven repository file from the Fedora People repository. The output shows the file being downloaded and saved to the specified location.

```
[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 ~]#
```

i-049361e33fc7c43c9 (create-linux-server)
PublicIPs: 65.2.150.69 PrivateIPs: 172.31.3.255

Instances | EC2 | ap-south-1 x EC2 Instance Connect | ap-south-1 x Prerequisites for connecting Am... x +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98&... Paused

Sign In | ADP ADPV... Amazon Web Servi...

aws Search [Alt+S] Asia Pacific (Mumbai) Balasubramanian

```
dejavu-sans-mono-fonts-2.37-16.amzn2023.0.2.noarch
fontconfig-2.13.94-2.amzn2023.0.2.x86_64
freetype-2.13.2-5.amzn2023.0.1.x86_64
google-noto-fonts-common-20201206-2.amzn2023.0.2.noarch
graphite2-1.3.14-7.amzn2023.0.2.x86_64
java-17-amazon-corretto-headless-1:17.0.15+6-1.amzn2023.1.x86_64
java-24-amazon-corretto-devel-1:24.0.1+9-1.amzn2023.1.x86_64
javapackages-filessystem-6.0.0-7.amzn2023.0.6.noarch
langpacks-core-font-en-3.0-21.amzn2023.0.4.noarch
libSM-1.2.4-3.amzn2023.0.1.x86_64
libX11-common-1.8.10-2.amzn2023.0.1.noarch
libXext-1.3.6-1.amzn2023.0.1.x86_64
libXinerama-1.1.5-6.amzn2023.0.1.x86_64
libXrender-0.9.11-6.amzn2023.0.1.x86_64
libXtst-1.2.5-1.amzn2023.0.1.x86_64
libjpeg-turbo-2.1.4-2.amzn2023.0.5.x86_64
libxcb-1.17.0-1.amzn2023.0.1.x86_64
xml-common-0.6.3-56.amzn2023.0.2.noarch
Skipped:
apache-maven-3.5.2-1.el6.noarch
Complete!
[root@ip-172-31-3-255 ~]#
```

i-049361e33fc7c43c9 (create-linux-server)

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6:49 PM 29-Jun-25

STEP 4: TO INSTALL JAVA ON EC2 INSTANCE

EC2 Instance Connect | ap-south-1 x +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98&... Paused

Sign In | ADP ADPV... Amazon Web Servi...

aws Search [Alt+S] Asia Pacific (Mumbai) Balasubramanian

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

There are 2 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

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

There are 2 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

Enter to keep the current selection[+], or type selection number: ^Z
[1]+  Stopped                  sudo /usr/sbin/alternatives --config java
[root@ip-172-31-3-255 ~]# sudo yum install java-1.8.0-devel
```

i-049361e33fc7c43c9 (create-linux-server)

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EC2 Instance Connect | ap-south-1 x +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98&... Paused

Sign In | ADP ADPV... Amazon Web Servi...

aws Search [Alt+S] Asia Pacific (Mumbai) Balasubramanian

```
mesa-libEGL-24.2.6-1267.amzn2023.0.1.x86_64
mesa-libgbm-24.2.6-1267.amzn2023.0.1.x86_64
mesa-va-drivers-24.2.6-1267.amzn2023.0.1.x86_64
openjpeg2-2.4.0-11.amzn2023.0.6.x86_64
orc-0.4.31-4.amzn2023.0.4.x86_64
osinfo-db-tools-1.12.0-1.amzn2023.0.1.x86_64
pipewire-1.2.7-4.amzn2023.0.4.x86_64
pipewire-jack-audio-connection-kit-1.2.7-4.amzn2023.0.4.x86_64
pipewire-libs-1.2.7-4.amzn2023.0.4.x86_64
polkit-125-1.amzn2023.0.1.x86_64
polkit-pkla-compat-0.1-19.amzn2023.0.2.x86_64
poppler-data-0.4.9-7.amzn2023.0.2.noarch
pulseaudio-libs-15.0-5.amzn2023.0.4.x86_64
rtkit-0.11-26.amzn2023.0.2.x86_64
sound-theme-freedesktop-0.8-22.amzn2023.noarch
tracker-miners-3.7.4-2.amzn2023.0.1.x86_64
upower-libs-1.90.6-139.amzn2023.x86_64
wireplumber-0.5.7-1.amzn2023.0.1.x86_64
xdg-desktop-portal-1.18.4-105.amzn2023.x86_64
xkeyboard-config-2.41-1.amzn2023.0.1.noarch

mesa-libGL-24.2.6-1267.amzn2023.0.1.x86_64
mesa-libglapi-24.2.6-1267.amzn2023.0.1.x86_64
openexr-libs-3.1.5-1.amzn2023.0.4.x86_64
opus-1.3.1-8.amzn2023.0.3.x86_64
osinfo-db-20240701-1.amzn2023.0.1.noarch
pango-1.54.0-2.amzn2023.0.4.x86_64
pipewire-alsa-1.2.7-4.amzn2023.0.4.x86_64
pipewire-jack-audio-connection-kit-libs-1.2.7-4.amzn2023.0.4.x86_64
pipewire-pulseaudio-1.2.7-4.amzn2023.0.4.x86_64
polkit-libs-125-1.amzn2023.0.1.x86_64
poppler-22.08.0-3.amzn2023.0.5.x86_64
poppler-glib-22.08.0-3.amzn2023.0.5.x86_64
rsvg-pixbuf-loader-2.59.2-317.amzn2023.x86_64
shared-mime-info-2.2-2.amzn2023.0.1.x86_64
tracker-3.7.3-3.amzn2023.0.1.x86_64
upower-1.90.6-139.amzn2023.x86_64
webRTC-audio-processing-0.3.1-6.amzn2023.0.2.x86_64
wireplumber-libs-0.5.7-1.amzn2023.0.1.x86_64
xdg-desktop-portal-gtk-1.15.1-61.amzn2023.x86_64
xprop-1.2.7-1.amzn2023.x86_64

Complete!
[root@ip-172-31-3-255 ~]#
```

i-049361e33fc7c43c9 (create-linux-server)

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STEP 5: TO SETUP CONFIG JAVA

EC2 Instance Connect | ap-south-1 x +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98&... Paused

Sign In | ADP ADPV... Amazon Web Servi...

aws Search [Alt+S] Asia Pacific (Mumbai) Balasubramanian

```
mesa-libEGL-24.2.6-1267.amzn2023.0.1.x86_64
mesa-libgbm-24.2.6-1267.amzn2023.0.1.x86_64
mesa-va-drivers-24.2.6-1267.amzn2023.0.1.x86_64
openjpeg2-2.4.0-11.amzn2023.0.6.x86_64
orc-0.4.31-4.amzn2023.0.4.x86_64
osinfo-db-tools-1.12.0-1.amzn2023.0.1.x86_64
pipewire-1.2.7-4.amzn2023.0.4.x86_64
pipewire-jack-audio-connection-kit-1.2.7-4.amzn2023.0.4.x86_64
pipewire-libs-1.2.7-4.amzn2023.0.4.x86_64
polkit-125-1.amzn2023.0.1.x86_64
polkit-pkla-compat-0.1-19.amzn2023.0.2.x86_64
poppler-data-0.4.9-7.amzn2023.0.2.noarch
pulseaudio-libs-15.0-5.amzn2023.0.4.x86_64
rtkit-0.11-26.amzn2023.0.2.x86_64
sound-theme-freedesktop-0.8-22.amzn2023.noarch
tracker-miners-3.7.4-2.amzn2023.0.1.x86_64
upower-libs-1.90.6-139.amzn2023.x86_64
wireplumber-0.5.7-1.amzn2023.0.1.x86_64
xdg-desktop-portal-1.18.4-105.amzn2023.x86_64
xkeyboard-config-2.41-1.amzn2023.0.1.noarch

mesa-libGL-24.2.6-1267.amzn2023.0.1.x86_64
mesa-libglapi-24.2.6-1267.amzn2023.0.1.x86_64
openexr-libs-3.1.5-1.amzn2023.0.4.x86_64
opus-1.3.1-8.amzn2023.0.3.x86_64
osinfo-db-20240701-1.amzn2023.0.1.noarch
pango-1.54.0-2.amzn2023.0.4.x86_64
pipewire-alsa-1.2.7-4.amzn2023.0.4.x86_64
pipewire-jack-audio-connection-kit-libs-1.2.7-4.amzn2023.0.4.x86_64
pipewire-pulseaudio-1.2.7-4.amzn2023.0.4.x86_64
polkit-libs-125-1.amzn2023.0.1.x86_64
poppler-22.08.0-3.amzn2023.0.5.x86_64
poppler-glib-22.08.0-3.amzn2023.0.5.x86_64
rsvg-pixbuf-loader-2.59.2-317.amzn2023.x86_64
shared-mime-info-2.2-2.amzn2023.0.1.x86_64
tracker-3.7.3-3.amzn2023.0.1.x86_64
upower-1.90.6-139.amzn2023.x86_64
webRTC-audio-processing-0.3.1-6.amzn2023.0.2.x86_64
wireplumber-libs-0.5.7-1.amzn2023.0.1.x86_64
xdg-desktop-portal-gtk-1.15.1-61.amzn2023.x86_64
xprop-1.2.7-1.amzn2023.x86_64

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

i-049361e33fc7c43c9 (create-linux-server)

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EC2 Instance Connect | ap-south-1

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98&...

Sign In | ADP ADPV... | Amazon Web Servi...

aws

Search

[Alt+S]

Asia Pacific (Mumbai)

Balasubramanian

```
polkit-pkla-compat-0.1-19.amzn2023.0.2.x86_64
poppler-data-0.4.9-7.amzn2023.0.2.noarch
pulseaudio-libs-15.0-5.amzn2023.0.4.x86_64
rtkit-0.11-26.amzn2023.0.2.x86_64
sound-theme-freedesktop-0.8-22.amzn2023.noarch
tracker-miners-3.7.4-2.amzn2023.0.1.x86_64
upower-libs-1.90.6-139.amzn2023.x86_64
wireplumber-0.5.7-1.amzn2023.0.1.x86_64
xdg-desktop-portal-1.18.4-105.amzn2023.x86_64
xkeyboard-config-2.41-1.amzn2023.0.1.noarch

poppler-22.08.0-3.amzn2023.0.5.x86_64
poppler-glib-22.08.0-3.amzn2023.0.5.x86_64
rsvg-pixbuf-loader-2.59.2-317.amzn2023.x86_64
shared-mime-info-2.2-2.amzn2023.0.1.x86_64
tracker-3.7.3-3.amzn2023.0.1.x86_64
upower-1.90.6-139.amzn2023.x86_64
webrtc-audio-processing-0.3.1-6.amzn2023.0.2.x86_64
wireplumber-libs-0.5.7-1.amzn2023.0.1.x86_64
xdg-desktop-portal-gtk-1.15.1-61.amzn2023.x86_64
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)

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EC2 Instance Connect | ap-south-1

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98&...

Sign In | ADP ADPV... | Amazon Web Servi...

aws

Search

[Alt+S]

Asia Pacific (Mumbai)

Balasubramanian

```
poppler-data-0.4.9-7.amzn2023.0.2.noarch
pulseaudio-libs-15.0-5.amzn2023.0.4.x86_64
rtkit-0.11-26.amzn2023.0.2.x86_64
sound-theme-freedesktop-0.8-22.amzn2023.noarch
tracker-miners-3.7.4-2.amzn2023.0.1.x86_64
upower-libs-1.90.6-139.amzn2023.x86_64
wireplumber-0.5.7-1.amzn2023.0.1.x86_64
xdg-desktop-portal-1.18.4-105.amzn2023.x86_64
xkeyboard-config-2.41-1.amzn2023.0.1.noarch

poppler-glib-22.08.0-3.amzn2023.0.5.x86_64
rsvg-pixbuf-loader-2.59.2-317.amzn2023.x86_64
shared-mime-info-2.2-2.amzn2023.0.1.x86_64
tracker-3.7.3-3.amzn2023.0.1.x86_64
upower-1.90.6-139.amzn2023.x86_64
webrtc-audio-processing-0.3.1-6.amzn2023.0.2.x86_64
wireplumber-libs-0.5.7-1.amzn2023.0.1.x86_64
xdg-desktop-portal-gtk-1.15.1-61.amzn2023.x86_64
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

i-049361e33fc7c43c9 (create-linux-server)

PublicIPs: 65.2.150.69 PrivateIPs: 172.31.3.255

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EC2 Instance Connect | ap-south-1 console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98&...
Sign In | ADP ADPV... Amazon Web Servi...

aws Search [Alt+S] Asia Pacific (Mumbai) Balasubramanian

```
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

There are 2 programs which provide 'javac'.

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

Enter to keep the current selection[+], or type selection number: 2
```

i-049361e33fc7c43c9 (create-linux-server)
PublicIPs: 65.2.150.69 PrivateIPs: 172.31.3.255

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STEP 6: TO CHECK MAVEN VERSION

EC2 Instance Connect | ap-south-1 console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98&...
Sign In | ADP ADPV... Amazon Web Servi...

aws Search [Alt+S] Asia Pacific (Mumbai) Balasubramanian

```
[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

There are 2 programs which provide 'javac'.

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

Enter to keep the current selection[+], or type selection number: 2
[root@ip-172-31-3-255 ~]# mvn -v
```

i-049361e33fc7c43c9 (create-linux-server)
PublicIPs: 65.2.150.69 PrivateIPs: 172.31.3.255

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EC2 Instance Connect | ap-south-1 | x

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98&... | Paused

Sign In | ADP ADPV... | Amazon Web Servi...

aws | Search | [Alt+S] | Asia Pacific (Mumbai) | Balasubramanian

```
*+ 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

There are 2 programs which provide 'javac'.

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

Enter to keep the current selection[+], or type selection number: 2
[root@ip-172-31-3-255 ~]# mvn -v
Apache Maven 3.2.5 (12a6b3acb947671f09b81f49094c53f426d8cea1; 2014-12-14T17:29:23+00:00)
Maven home: /usr/share/apache-maven
Java version: 1.8.0_452, vendor: Amazon.com Inc.
Java home: /usr/lib/jvm/java-1.8.0-amazon-corretto.x86_64/jre
Default locale: en, platform encoding: UTF-8
OS name: "linux", version: "6.1.140-154.222.amzn2023.x86_64", arch: "amd64", family: "unix"
[root@ip-172-31-3-255 ~]#
```

i-049361e33fc7c43c9 (create-linux-server)

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STEP 7: TO GENERATE MAVEN PROJECT USING BY MAVEN COMMENT

EC2 Instance Connect | ap-south-1 | x

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98&... | Paused

Sign In | ADP ADPV... | Amazon Web Servi...

aws | Search | [Alt+S] | Asia Pacific (Mumbai) | Balasubramanian

```
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

There are 2 programs which provide 'javac'.

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

Enter to keep the current selection[+], or type selection number: 2
[root@ip-172-31-3-255 ~]# mvn -v
Apache Maven 3.2.5 (12a6b3acb947671f09b81f49094c53f426d8cea1; 2014-12-14T17:29:23+00:00)
Maven home: /usr/share/apache-maven
Java version: 1.8.0_452, vendor: Amazon.com Inc.
Java home: /usr/lib/jvm/java-1.8.0-amazon-corretto.x86_64/jre
Default locale: en, platform encoding: UTF-8
OS name: "linux", version: "6.1.140-154.222.amzn2023.x86_64", arch: "amd64", family: "unix"
[root@ip-172-31-3-255 ~]# mvn archetype:generate -DgroupId=com.bala -DartifactId=mavenproject -DarchetypeArtifactId=maven-archetype-quickstart -Dversion=1.4-SNAPSHOT -DinteractiveMode=false
```

i-049361e33fc7c43c9 (create-linux-server)

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EC2 Instance Connect | ap-south-1

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c9&... Paused

Sign In | ADP ADPV... Amazon Web Servi...

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```
Running scriptlet: tree-1.8.0-6.amzn2023.0.2.x86_64
Verifying : tree-1.8.0-6.amzn2023.0.2.x86_64 1/1

WARNING:
A newer release of "Amazon Linux" is available.

Available Versions:

Version 2023.7.20250623:
Run the following command to upgrade to 2023.7.20250623:

dnf upgrade --releasever=2023.7.20250623

Release notes:
https://docs.aws.amazon.com/linux/al2023/release-notes/relnotes-2023.7.20250623.html

Installed:
tree-1.8.0-6.amzn2023.0.2.x86_64

Complete!
[root@ip-172-31-3-255 ~]#
```

i-049361e33fc7c43c9 (create-linux-server)

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7:23 PM 29-Jun-25

STEP 9: TO VISIT THE FILE

Instances | EC2 | ap-south-1 EC2 Instance Connect | ap-south-1 Prerequisites for connecting Am... +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c9&... Paused

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```
[root@ip-172-31-3-255 mavenproject]# tree
.
├── pom.xml
├── src
│   ├── main
│   │   ├── java
│   │   │   ├── com
│   │   │   │   ├── bala
│   │   │   │   │   └── App.java
│   │   └── test
│   │       ├── java
│   │       │   ├── com
│   │       │   │   ├── bala
│   │       │   │   │   └── AppTest.java
│   └── 9 directories, 3 files
[root@ip-172-31-3-255 mavenproject]# nano src/main/java/com/bala/App.java
```

i-049361e33fc7c43c9 (create-linux-server)

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Instances | EC2 | ap-south-1 x EC2 Instance Connect | ap-south-1 x Prerequisites for connecting Am... x +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98&... i ☆ Paused

Sign In | ADP ADPV... Amazon Web Servi...

aws Search [Alt+S] Asia Pacific (Mumbai) Balasubramanian

```
└─ java
  └─ com
    └─ bala
      └─ AppTest.java

9 directories, 3 files
[root@ip-172-31-3-255 mavenproject]# nano src/main/java/com/bala/App.java
[root@ip-172-31-3-255 mavenproject]# ^C
[root@ip-172-31-3-255 mavenproject]# cat src/main/java/com/bala/App.java
package com.bala;

/**
 * Hello world!
 *
 */
public class App
{
    public static void main( String[] args )
    {
        System.out.println( "Hello World!" );
    }
}
[root@ip-172-31-3-255 mavenproject]# mvn install
```

i-049361e33fc7c43c9 (create-linux-server)

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STEP 10: THEN TO USE MAVEN INSTALL COMMENT

Instances | EC2 | ap-south-1 x EC2 Instance Connect | ap-south-1 x Prerequisites for connecting Am... x +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98&... i ☆ Paused

Sign In | ADP ADPV... Amazon Web Servi...

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```
└─ java
  └─ com
    └─ bala
      └─ AppTest.java

9 directories, 3 files
[root@ip-172-31-3-255 mavenproject]# nano src/main/java/com/bala/App.java
[root@ip-172-31-3-255 mavenproject]# ^C
[root@ip-172-31-3-255 mavenproject]# cat src/main/java/com/bala/App.java
package com.bala;

/**
 * Hello world!
 *
 */
public class App
{
    public static void main( String[] args )
    {
        System.out.println( "Hello World!" );
    }
}
[root@ip-172-31-3-255 mavenproject]# mvn install
```

i-049361e33fc7c43c9 (create-linux-server)

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Instances | EC2 | ap-south-1 x EC2 Instance Connect | ap-south x Prerequisites for connecting Am... x +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98... Paused

Sign In | ADP ADPV... Amazon Web Servi...

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```
[INFO] Final Memory: 17M/41M
[INFO] -----
[root@ip-172-31-3-255 mavenproject]# mvn compile
[INFO] Scanning for projects...
[INFO]
[INFO] -----
[INFO] Building mavenproject 1.4-SNAPSHOT
[INFO]
[INFO] -----
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ mavenproject ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /root/mavenproject/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ mavenproject ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO]
[INFO] -----
[INFO] Total time: 1.126 s
[INFO] Finished at: 2025-06-29T14:32:43+00:00
[INFO] Final Memory: 7M/17M
[INFO] -----
[root@ip-172-31-3-255 mavenproject]#
```

i-049361e33fc7c43c9 (create-linux-server)

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STEP 12: TO USE MAVEN TEST COMMENT

Instances | EC2 | ap-south-1 x EC2 Instance Connect | ap-south x Prerequisites for connecting Am... x +

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98... Paused

Sign In | ADP ADPV... Amazon Web Servi...

aws Search [Alt+S] Asia Pacific (Mumbai) Balasubramanian

```
[INFO] Final Memory: 17M/41M
[INFO] -----
[root@ip-172-31-3-255 mavenproject]# mvn compile
[INFO] Scanning for projects...
[INFO]
[INFO] -----
[INFO] Building mavenproject 1.4-SNAPSHOT
[INFO]
[INFO] -----
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ mavenproject ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /root/mavenproject/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ mavenproject ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO]
[INFO] -----
[INFO] Total time: 1.126 s
[INFO] Finished at: 2025-06-29T14:32:43+00:00
[INFO] Final Memory: 7M/17M
[INFO] -----
[root@ip-172-31-3-255 mavenproject]# mvn test
```

i-049361e33fc7c43c9 (create-linux-server)

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STEP 14: SUCCESSFULLY BUILD ON JAVA FILE IN MAVEN

The screenshot displays the AWS CloudShell interface. At the top, the browser tabs show 'Instances | EC2 | ap-south-1', 'EC2 Instance Connect | ap-south', and 'Prerequisites for connecting Am...'. The address bar shows the URL: `ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049361e33fc7c43c98...`. The AWS logo and search bar are visible in the top navigation bar.

The main terminal window shows the following output:

```

├── createdFiles.lst
│   ├── inputFiles.lst
│   └── testCompile
│       ├── default-testCompile
│       │   ├── createdFiles.lst
│       │   └── inputFiles.lst
├── mavenproject-1.4-SNAPSHOT.jar
├── surefire-reports
│   ├── TEST-com.bala.AppTest.xml
│   └── com.bala.AppTest.txt
├── test-classes
│   └── com
│       └── bala
│           └── AppTest.class
└── 24 directories, 13 files

[root@ip-172-31-3-255 mavenproject]# ls
pom.xml  src  target
[root@ip-172-31-3-255 mavenproject]# java -cp target/Car com.bala.App
[root@ip-172-31-3-255 mavenproject]# ^C
[root@ip-172-31-3-255 mavenproject]# java -cp target/mavenproject-1.4-SNAPSHOT.jar com.bala.App
Hello World!
[root@ip-172-31-3-255 mavenproject]#
```

Below the terminal output, a notification for instance `i-049361e33fc7c43c9` (create-linux-server) is shown with Public IPs: 65.2.150.69 and Private IPs: 172.31.3.255.

The bottom of the screen shows the CloudShell toolbar with icons for CloudShell, Feedback, and various applications. The footer includes the copyright notice: © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences. The system clock shows 8:12 PM on 29-Jun-25.