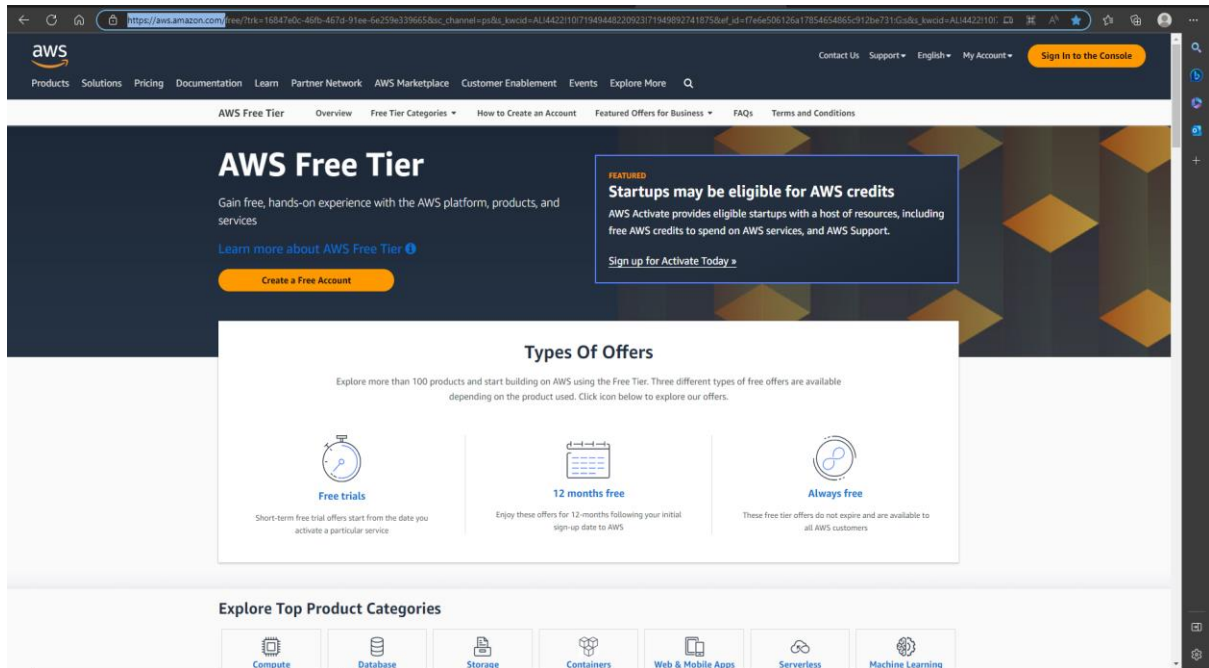


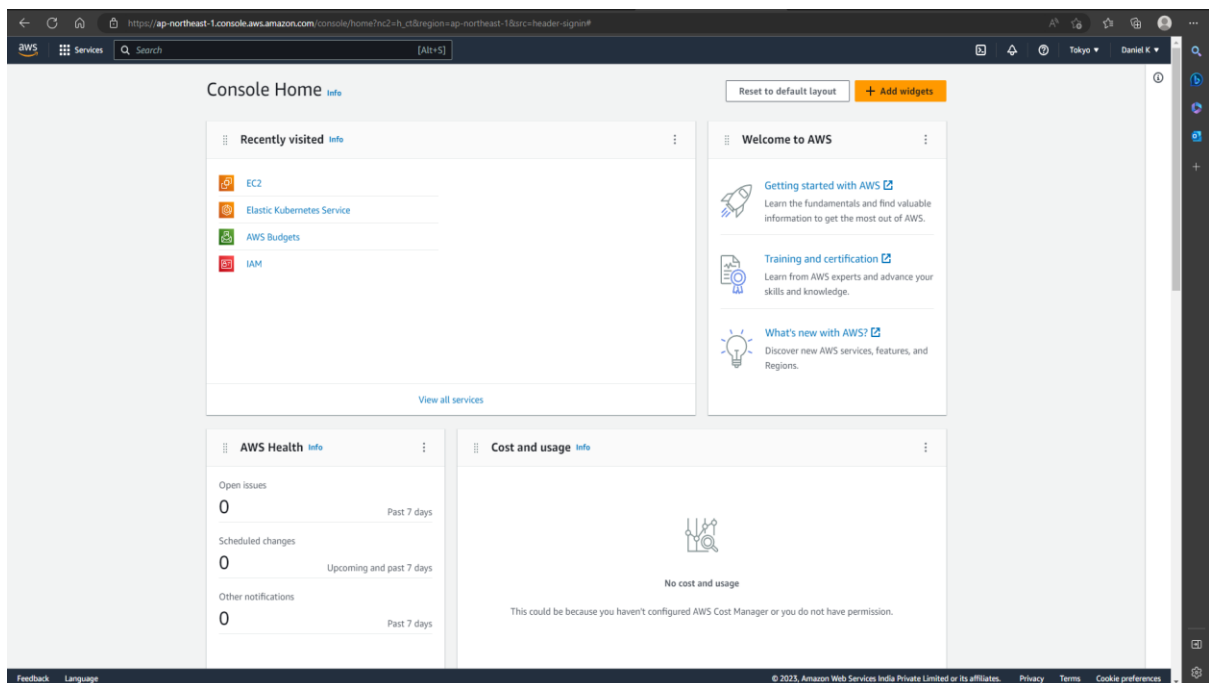
DEVOPS ASSIGNMENTS- Module 2- Build Tools

Assignment 1 - Creating Amazon EC2 Instance.docx.txt

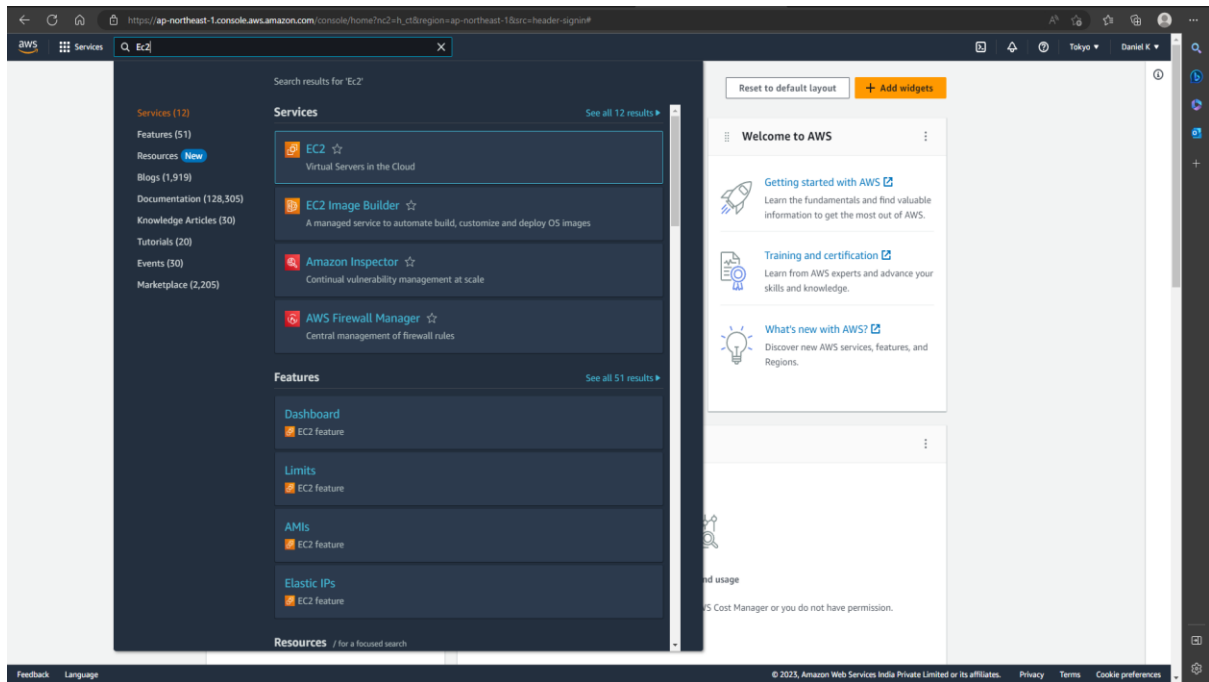
Here is the official website of AWS Amazon web services: - <https://aws.amazon.com/>



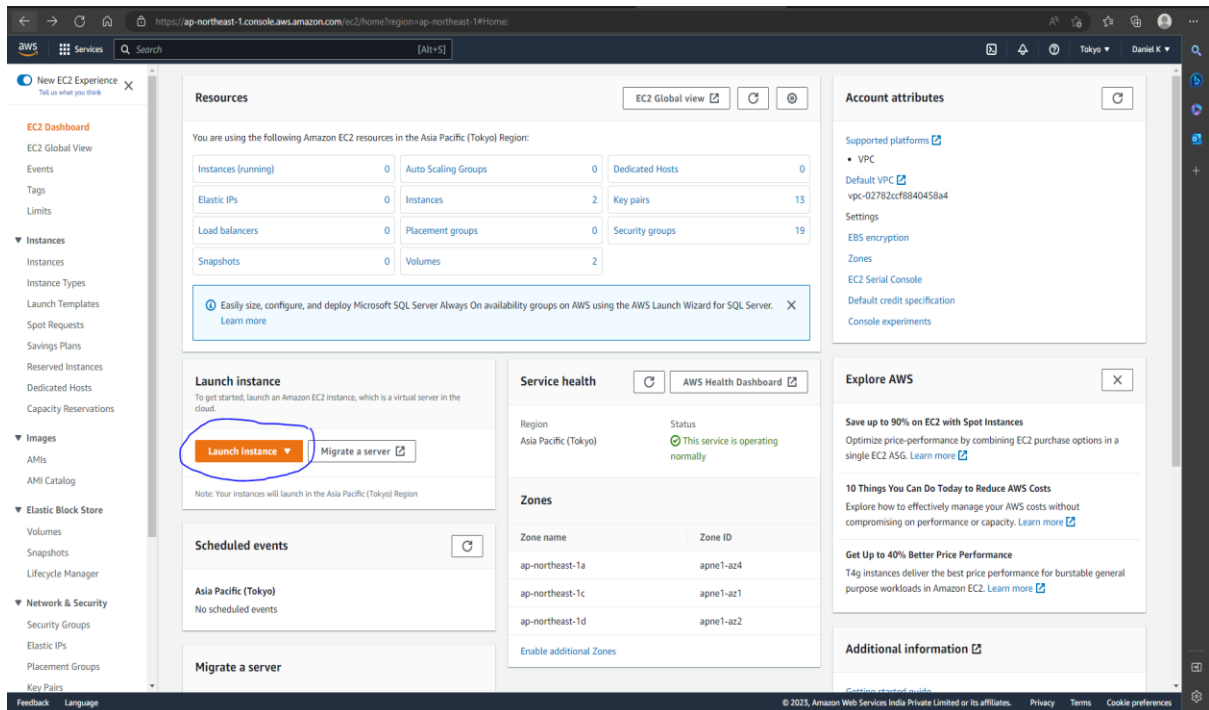
1. Sign into to your Account



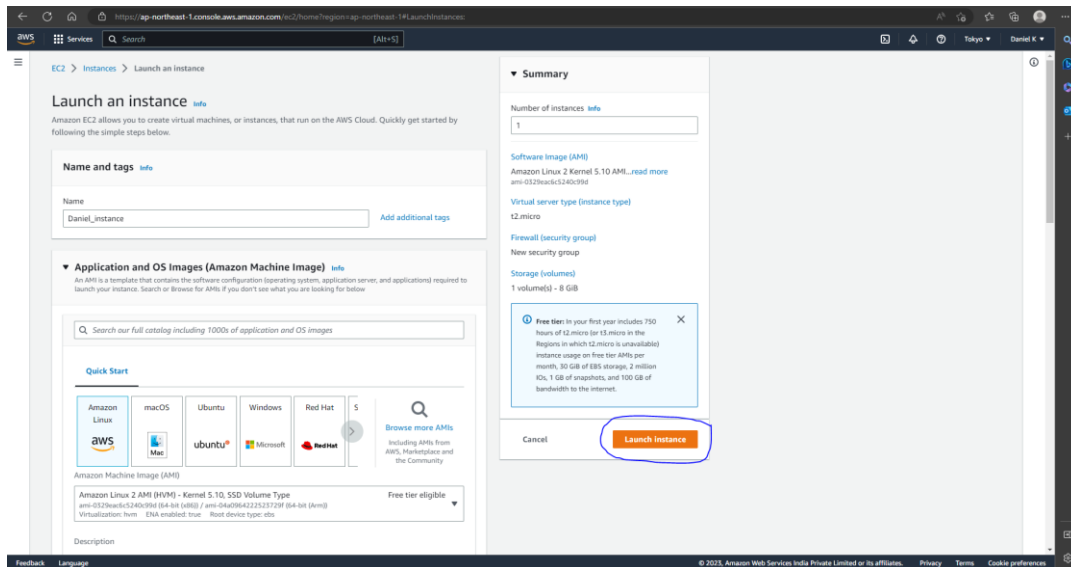
2. In search box search for EC2 and select EC2.



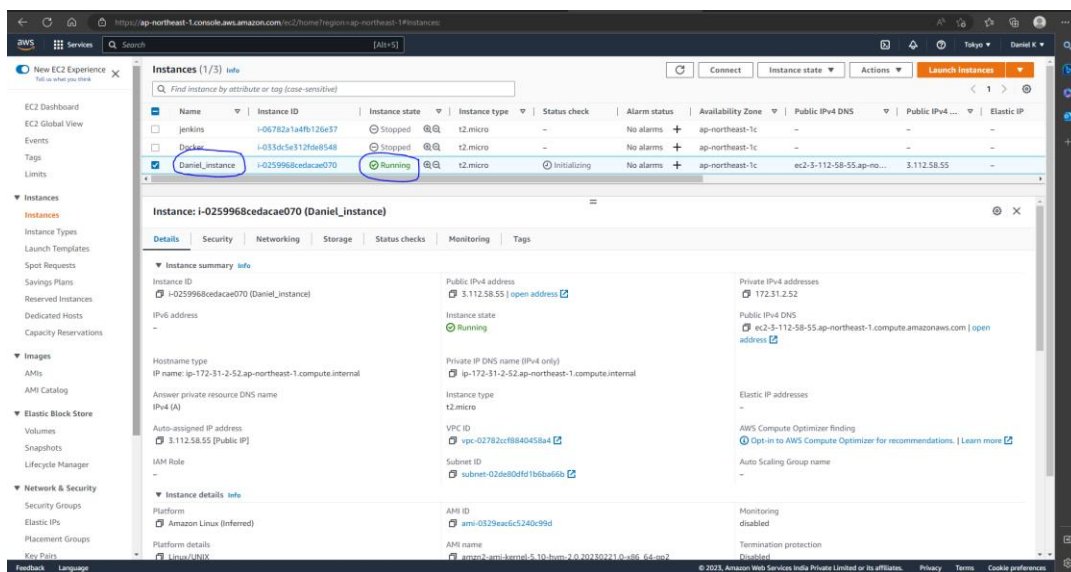
3. Click on Launch Instance



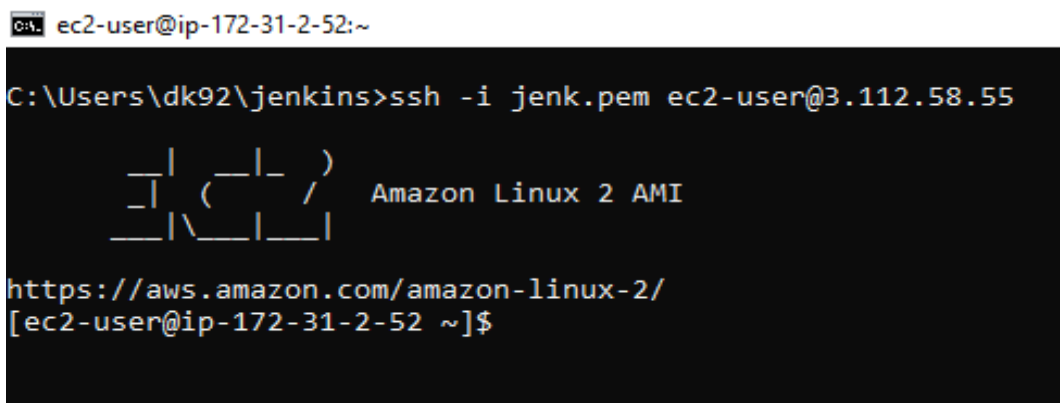
4. Provide the Required Information such as name, operating system, key pair, etc and click on Launch Instance



5. Amazon EC2 Instance is Created Successfully and Running.



6. To connect to Instance use Puttygen or SSH into cmd



Assignment 2 -Installing Maven on Amazon Linux.docx.txt

1. Create and connect to EC2 Instance

```
ec2-user@ip-172-31-2-52:~
```

```
C:\Users\dk92\jenkins>ssh -i jenk.pem ec2-user@3.112.58.55
```

```
  _ | _ | _ )  
 _ | ( _ | /  Amazon Linux 2 AMI  
 _ | \ _ | _ |
```

```
https://aws.amazon.com/amazon-linux-2/  
[ec2-user@ip-172-31-2-52 ~]$
```

2. Command for installing Maven in Amazon Linux

→sudo yum install maven

```
ec2-user@ip-172-31-2-52:~
```

```
https://aws.amazon.com/amazon-linux-2/  
[ec2-user@ip-172-31-2-52 ~]$ sudo yum install maven  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
amzn2-core  
Resolving Dependencies  
--> Running transaction check  
--> Package maven.noarch 0:3.0.5-17.amzn2 will be installed  
--> Processing Dependency: java >= 1.5 for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: sisu-inject-plexus for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: sisu-inject-bean for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: plexus-utils for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: plexus-sec-dispatcher for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: plexus-interpolation for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: plexus-container-component-annotations for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: plexus-cipher for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: objectweb-asm for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(org.sonatype.sisu:sisu-inject-plexus) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(org.sonatype.plexus:plexus-sec-dispatcher) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(org.sonatype.plexus:plexus-cipher) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(org.sonatype.aether:aether-util) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(org.sonatype.aether:aether-spi) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(org.sonatype.aether:aether-impl) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(org.sonatype.aether:aether-api) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(org.codehaus.plexus:plexus-utils) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(org.codehaus.plexus:plexus-interpolation) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(org.codehaus.plexus:plexus-container-default) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(org.codehaus.plexus:plexus-component-annotations) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(org.codehaus.plexus:plexus-classworlds) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(org.apache.maven.wagon:wagon-provider-api) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: mvn(commons-cli:commons-cli) for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: maven-wagon for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: jpackage-utils for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: java-devel for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: httpcomponents-core for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: httpcomponents-client for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: guava for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: google-guice for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: cglib for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: atinject for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: apache-commons-logging for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: apache-commons-codec for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: apache-commons-cli for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: aopalliance for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: aether-util for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: aether-spi for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: aether-impl for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: aether-connector-wagon for package: maven-3.0.5-17.amzn2.noarch  
--> Processing Dependency: aether-api for package: maven-3.0.5-17.amzn2.noarch  
--> Running transaction check  
--> Package aether-api.noarch 0:1.13.1-13.amzn2 will be installed  
--> Package aether-connector-wagon.noarch 0:1.13.1-13.amzn2 will be installed  
--> Package aether-impl.noarch 0:1.13.1-13.amzn2 will be installed  
--> Package aether-spi.noarch 0:1.13.1-13.amzn2 will be installed  
--> Package aether-util.noarch 0:1.13.1-13.amzn2 will be installed  
--> Package aopalliance.noarch 0:1.0-8.1.amzn2 will be installed  
--> Package apache-commons-cli.noarch 0:1.2-13.amzn2 will be installed  
--> Package apache-commons-codec.noarch 0:1.8-7.amzn2 will be installed  
--> Package apache-commons-logging.noarch 0:1.1.2-7.amzn2 will be installed  
--> Processing Dependency: mvn(log4j:log4j) for package: apache-commons-logging-1.1.2-7.amzn2.noarch  
--> Processing Dependency: mvn(log4j:log4j) for package: apache-commons-logging-1.1.2-7.amzn2.noarch  
--> Processing Dependency: mvn(avalon-framework:avalon-framework-api) for package: apache-commons-logging-1.1.2-7.amzn2.noarch  
--> Package atinject.noarch 0:1-13.20100611svn86.amzn2 will be installed
```

3. If Prompted for confirmation type y

```
ec2-user@ip-172-31-2-52:~$
libxslt x86_64 1.1.5-3.amzn2.0.2
libxslt x86_64 1.2.3-1.amzn2.0.2
libxslt x86_64 1.12-1.amzn2.0.2
libxslt x86_64 1.1.28-6.amzn2
log4j noarch 1.2.17-18.amzn2
log4j-cve-2021-44228-hotpatch noarch 1.3-7.amzn2
maven-wagon noarch 2.4-3.amzn2
nekohtml noarch 1.9.14-13.amzn2
objectweb-asm noarch 3.3.1-9.amzn2
plexus-cipher noarch 1.7-5.amzn2
plexus-classworlds noarch 2.4.2-8.amzn2
plexus-component-api noarch 1.0-0.16.alpha15.amzn2
plexus-containers-component-annotations noarch 1.5.5-14.amzn2
plexus-containers-container-default noarch 1.5.5-14.amzn2
plexus-interactivity noarch 1.0-0.14.alpha6.amzn2
plexus-interpolation noarch 1.15-8.amzn2
plexus-sec-dispatcher noarch 1.4-13.amzn2
plexus-utils noarch 3.0.9-9.amzn2
python-javapackages noarch 3.4.1-11.amzn2
python-lxml x86_64 3.2.1-4.amzn2.0.4
qdox noarch 1.12.1-10.amzn2
regexp noarch 1.5-13.amzn2
sisu-inject-bean noarch 2.3.0-11.amzn2
sisu-inject-plexus noarch 2.3.0-11.amzn2
slf4j noarch 1.7.4-4.amzn2
tomcat-servlet-3.0-api noarch 7.0.76-10.amzn2.0.2
xalan-j2 noarch 2.7.1-23.1.amzn2
xbean noarch 3.13-6.amzn2
xerces-j2 noarch 2.11.0-17.amzn2
xml-commons-apis noarch 1.4.01-16.amzn2
xml-commons-resolver noarch 1.2-15.amzn2

Transaction Summary
-----
Install 1 Package (+95 Dependent packages)

Total download size: 117 M
Installed size: 279 M
Is this ok [y/d/N]: y
```

4. Maven installation completed successfully.

```
ec2-user@ip-172-31-2-52:~$
Verifying : google-guice-3.1.3-9.amzn2.noarch
Verifying : guava-13.0-6.amzn2.noarch
Verifying : junit-4.11-8.1.amzn2.0.1.noarch
Verifying : objectweb-asm-3.3.1-9.amzn2.noarch
Verifying : xalan-j2-2.7.1-23.1.amzn2.noarch

Installed:
  maven.noarch 0:3.0.5-17.amzn2

Dependency Installed:
  aether-api.noarch 0:1.13.1-13.amzn2
  aether-spi.noarch 0:1.13.1-13.amzn2
  aopalliance.noarch 0:1.0-8.1.amzn2
  apache-commons-io.noarch 1:2.4-12.amzn2
  apache-commons-net.noarch 0:3.2-8.amzn2
  avalon-logkit.noarch 0:2.1-14.1.amzn2
  cdi-api.noarch 0:1.0-11.SP4.amzn2
  dejavu-sans-fonts.noarch 0:2.33-6.amzn2
  easymock2.noarch 0:2.5.2-12.1.amzn2
  fontpackages-filesystem.noarch 0:1.44-8.amzn2
  giflib.x86_64 0:4.1.6-9.amzn2.0.2
  hamcrest.noarch 0:1.3-6.1.amzn2
  jakarta-commons-httpclient.noarch 1:3.1-16.amzn2
  java-17-amazon-corretto-headless.x86_64 1:17.0.6+10-1.amzn2.1
  javassist.noarch 0:3.16.1-10.amzn2
  jboss-interceptors-1.1-api.noarch 0:1.0.2-0.9.20120319git49a904.amzn2
  jboss-transaction-1.1-api.noarch 0:1.0-1-8.amzn2
  jsoup.noarch 0:1.6.1-10.amzn2
  libICE.x86_64 0:1.0.9-9.amzn2.0.2
  libX11-common.noarch 0:1.6.7-3.amzn2.0.2
  libX11.x86_64 0:1.7.9-1.amzn2.0.2
  libXrender.x86_64 0:0.9.10-1.amzn2.0.2
  libxcb.x86_64 0:1.12-1.amzn2.0.2
  log4j-cve-2021-44228-hotpatch.noarch 0:1.3-7.amzn2
  objectweb-asm.noarch 0:3.3.1-9.amzn2
  plexus-component-api.noarch 0:1.0-0.16.alpha15.amzn2
  plexus-interactivity.noarch 0:1.0-0.14.alpha6.amzn2
  plexus-interpolation.noarch 0:1.15-8.amzn2
  plexus-utils.noarch 0:3.0.9-9.amzn2
  qdox.noarch 0:1.12.1-10.amzn2
  sisu-inject-plexus.noarch 0:2.3.0-11.amzn2
  xalan-j2.noarch 0:2.7.1-23.1.amzn2
  xml-commons-apis.noarch 0:1.4.01-16.amzn2
  aether-connector-wagon.noarch 0:1.13.1-13.amzn2
  aether-util.noarch 0:1.13.1-13.amzn2
  apache-commons-cli.noarch 0:1.2-13.amzn2
  apache-commons-lang.noarch 0:2.6-15.amzn2
  atinject.noarch 0:1-13.20100611svn06.amzn2
  bcel.noarch 0:5.2-18.amzn2.0.1
  cglib.noarch 0:2.2-18.1.amzn2
  dejavu-sans-mono-fonts.noarch 0:2.33-6.amzn2
  felix-framework.noarch 0:4.2.1-5.amzn2
  geronimo-annotation.noarch 0:1.0-15.amzn2
  google-guice.noarch 0:3.1.3-9.amzn2
  httpcomponents-client.noarch 0:4.2.5-5.amzn2.0.1
  java-17-amazon-corretto.x86_64 1:17.0.6+10-1.amzn2.1
  javamail.noarch 0:1.4.6-8.amzn2
  jboss-ejb-3.1-api.noarch 0:1.0-2-10.amzn2
  jboss-jaxrpc-1.1-api.noarch 0:1.0-1-7.amzn2
  jline.noarch 0:1.0-8.amzn2
  junit.noarch 0:4.11-8.1.amzn2.0.1
  libSM.x86_64 0:1.2.2-2.amzn2.0.2
  libXau.x86_64 0:1.0.8-2.1.amzn2.0.2
  libXinerama.x86_64 0:1.1.3-2.1.amzn2.0.2
  libXt.x86_64 0:1.1.5-3.amzn2.0.2
  libxslt.x86_64 0:1.1.28-6.amzn2
  maven-wagon.noarch 0:2.4-3.amzn2
  plexus-cipher.noarch 0:1.7-5.amzn2
  plexus-containers-component-annotations.noarch 0:1.5.5-14.amzn2
  plexus-interpolation.noarch 0:1.15-8.amzn2
  python-javapackages.noarch 0:3.4.1-11.amzn2
  regexp.noarch 0:1.5-13.amzn2
  slf4j.noarch 0:1.7.4-4.amzn2
  xbean.noarch 0:3.13-6.amzn2
  xml-commons-resolver.noarch 0:1.2-15.amzn2

Complete!
ec2-user@ip-172-31-2-52 ~]$
```

5. Command to verify maven installation and to check maven version

→ mvn --version

```
ca. Select ec2-user@ip-172-31-2-52:~
xml-commons-apis.noarch 0:1.4.01-16.amzn2
xml-commons-resolver.noar

Complete!
[ec2-user@ip-172-31-2-52 ~]$ mvn --version
Apache Maven 3.0.5 (Red Hat 3.0.5-17)
Maven home: /usr/share/maven
Java version: 17.0.6, vendor: Amazon.com Inc.
Java home: /usr/lib/jvm/java-17-amazon-corretto.x86_64
Default locale: en_US, platform encoding: UTF-8
OS name: "linux", version: "5.10.167-147.601.amzn2.x86_64", arch: "amd64", family: "unix"
[ec2-user@ip-172-31-2-52 ~]$
```