

Install Jdk 1.8:

```
sudo yum install java-1.8.0-openjdk-devel
```

```
update-alternatives --config java
```

```
update-alternatives --config javac
```

Install Maven 3.3:

```
sudo wget http://repos.fedorapeople.org/repos/dchen/apache-maven/epel-apache-maven.repo
```

```
-O /etc/yum.repos.d/epel-apache-maven.repo
```

```
sudo sed -i s/$releasever/6/g /etc/yum.repos.d/epel-apache-maven.repo
```

```
sudo yum install -y apache-maven
```

```
mvn --version
```

Install tomcat :

Download tomcat

```
sudo wget
```

```
http://www-us.apache.org/dist/tomcat/tomcat-8/v8.5.20/bin/apache-tomcat-8.5.20.tar.gz
```

- Untar the file

```
sudo tar -xf apache-tomcat-8.5.20.tar.gz
```

- Rename the file

```
mv apache-tomcat-8.5.20 tomcat8
```

- Change the ownership of tomcat to ec2-user

```
sudo chown -R ec2-user:ec2-user tomcat8
```

- Starting tomcat server

```
${TOMCAT_HOME}/bin/startup.sh
```

Note: default port of tomcat is 8080

- Stopping tomcat server

```
${TOMCAT_HOME}/bin/shutdown.sh
```

Jenkins:

Step 1:

```
sudo wget -O /etc/yum.repos.d/jenkins.repo http://pkg.jenkins-ci.org/redhat-stable/jenkins.repo
```

Step 2:

```
sudo rpm --import http://pkg.jenkins-ci.org/redhat-stable/jenkins-ci.org.key
```

Step 3:

```
sudo yum install jenkins
```

Step 4:

```
sudo chkconfig jenkins on
```

```
sudo chkconfig jenkins --list
```

```
jenkins      0:off 1:off 2:on 3:on 4:on 5:on 6:off
```

0:off restart mode

1:off single user

2:on multi user

Step 5:

sudo service jenkins start

Step 6:

sudo service jenkins status

Step 7:

->To access jenkins Url

http://<your-Vultr-server-IP>:8080 or http://192.169.50.15:8080/

http://192.169.50.15:8080/ docker jenkins url

Step 8:

->To get initial password when you installing the jenkins it will ask initialAdminPassword and it show

Location of password.

sudo cat /var/lib/jenkins/secrets/initialAdminPassword

Step 9:

->Add the user details and take the copy of username/password

User details:

devopstoolsteam

devops123

Install SonarQube:

1 yum update -y

2 yum install docker

3 docker info

4 service docker start

5 chkconfig docker on

7 docker --version

8 docker run -d --name sonarqube -p 9000:9000 sonarqube

Install Nexus

1 yum update -y

2 yum install -y

3 yum install docker

4 service docker start

5 chkconfig docker on

6 docker run -d -p 8081:8081 --name nexus sonatype/nexus:oss

