

Jenkins
adminmk
admin

```
1  cd /opt
2  sudo apt update -y
3  sudo apt-get update -y
4  sudo apt-get install openjdk-8-jdk
5  wget -q -O - http://pkg.jenkins-ci.org/debian/jenkins-
ci.org.key | sudo apt-key add -
6  echo "deb http://pkg.jenkins-ci.org/debian binary/" | sudo tee
-a /etc/apt/sources.list.d/jenkins.list
7  sudo apt-get update
8  sudo apt-get install jenkins
9  service jenkins status
apt-get install openjdk-8-jdk
```

Install Maven
Maven Project - Pet Clinic

Dashboard View

-----Maven

```
32 java -version
33 mvn -v
34 apt install maven
35 mvn -v
36 which maven
37 which mvn
38 mvn -v
39 sudo apt-get remove maven3
40 sudo apt-get remove maven
41 sudo add-apt-repository "deb
http://ppa.launchpad.net/natecarlson/maven3/ubuntu precise main"
42 sudo apt-get update
43 sudo apt-get install maven3
44 sudo ln -s /usr/share/maven3/bin/mvn /usr/bin/mvn
45 mvn -v
46 echo MAVEN_HOME
47 echo $MAVEN_HOME
48 echo $JAVA_HOME
49 which java
50 which mvn
51 java -version
52 mvn -version
53 echo $$
54 echo $MAVEN_HOME
55 export MAVEN_HOME
56 export MAVEN_HOME=/usr/share/maven3
57 echo $MAVEN_HOME
```

-----Java Configuration
sudo apt-get install openjdk-8-jdk
/usr/lib/jvm/java-8-openjdk-amd64

```
77 export JAVA_HOME=/usr/lib/jvm/java-8-openjdk-amd64/jre
78 echo $JAVA_HOME
```

nexus repository
<https://www.sonatype.com/nexus-repository-sonatype>

<https://www.sonatype.com/oss-thank-you-tar.gz>

<https://www.sonarqube.org/downloads/>

<https://www.howtoforge.com/tutorial/how-to-install-sonarqube-on-ubuntu-1604/>

-----Nexus on Windows-----

- Install Java
- Install Jenkins

<https://www.blazemeter.com/blog/how-to-install-jenkins-on-windows>

- Install Maven

<https://www.mkymong.com/maven/how-to-install-maven-in-windows/>

JAVA_HOME=C:\Program Files\Java\jdk1.8.0_191
MAVEN_HOME=C:\opt\apache-maven-3.6.0\bin

1. Install nexus on windows
<https://www.sonatype.com/oss-thank-you-win64.zip>
zip file downloads
unzip it C:\nexus\

2.cmd -> C:\nexus\nexus-3.11.0-01-win64\nexus-3.11.0-01\bin
nexus.exe /run

3. Access nexus webportal (admin,admin123)
localhost:8081

4. git clone https://github.com/maheshkharwadkar/mvnrepo.git
artifactory change
POM update

5.create settings.xml
~/.m2/settings.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<settings xmlns="http://maven.apache.org/SETTINGS/1.1.0"
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:schemaLocation="http://maven.apache.org/SETTINGS/1.1.0
http://maven.apache.org/xsd/settings-1.1.0.xsd">
  <servers>
    <server>
      <id>deployment</id>
      <username>admin</username>
      <password>admin123</password>
    </server>
  </servers>
</settings>
```

6. on nexus
mobilebank-snap

7.
mvn deploy

-----Sonarcube-----

C:\nexus

C:\Jenkins
Jenkins_HOME = C:\Users\mahesh_kharwadkar\.jenkins

C:\sonarcube

Default Password - admin/default

Please read this link - <https://www.blazemeter.com/blog/how-to-use-the-jenkins-declarative-pipeline>