**MAVEN Installation**

First download the Maven Installation files to our local pc.

Set the Environment Variables first:

Open My Computer 🡪 Advanced System Settings 🡪Environment Variables.

Click New at User Variables Sasikanth

Variable Name: JAVA\_HOME

Variable Path: C:\Program Files\Java\jdk1.7.0\_79

Click OK.

Click New at User Variables Sasikanth

Variable Name: M2\_HOME

Variable Path: C:\Users\Sasikanth\Desktop\DevOps\Devops softwares\Maven\_practice\apache-maven-3.3.9

Click OK.

At the same Environment Variables page go to System Variables and set JAVA Path.

Path: C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\Perl64\site\bin;C:\Perl64\bin;C:\Program Files (x86)\AMD APP\bin\x86\_64;C:\Program Files (x86)\AMD APP\bin\x86;C:\Program Files (x86)\PC Connectivity Solution\;C:\Program Files\Common Files\Microsoft Shared\Windows Live;C:\Program Files (x86)\Common Files\Microsoft Shared\Windows Live;C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Program Files (x86)\Windows Live\Shared;C:\Program Files (x86)\Common Files\Roxio Shared\DLLShared\;C:\Program Files (x86)\Common Files\Roxio Shared\OEM\DLLShared\;C:\Program Files (x86)\Common Files\Roxio Shared\OEM\DLLShared\;C:\Program Files (x86)\Common Files\Roxio Shared\OEM\12.0\DLLShared\;C:\Program Files (x86)\Roxio\OEM\AudioCore\;C:\Users\Sasikanth\AppData\Local\Smartbar\Application\;C:\Users\Sasikanth\AppData\Local\Smartbar\Application\;C:\Program Files (x86)\SIPped\;C:\Program Files (x86)\Skype\Phone\;C:\Program Files\Git\cmd;C:\Program Files (x86)\Subversion\bin;C:\Users\Sasikanth\Desktop\DevOps\Devops softwares\ANT Installation\apache-ant-1.9.7-bin\apache-ant-1.9.7\bin;C:\Program Files\Java\jdk1.7.0\_79\bin;C:\HashiCorp\Vagrant\bin;**C:\Users\Sasikanth\Desktop\DevOps\Devops softwares\Maven\_practice\apache-maven-3.3.9\bin;**

Click OK.

Click OK.

Go to Command prompt and give command **mvn –version** to check the maven version.

Now launch putty and open vagrant 11 machine.

**[vagrant@chef ~]$ sudo yum install java-1.7.0-openjdk –y**

Once installation is done perform again install SVN

**[vagrant@chef ~]$** **wget** [**https://bitnami.com/redirect/to/127862/bitnami-subversion-1.9.4-1-linux-x64-installer.run**](https://bitnami.com/redirect/to/127862/bitnami-subversion-1.9.4-1-linux-x64-installer.run)

**[vagrant@chef ~]$ chmod 777 bitnami-subversion-1.9.4-1-linux-x64-installer.run**

**[vagrant@chef ~]$ ./bitnami-subversion-1.9.4-1-linux-x64-installer.run**

Create Repository:

**[vagrant@chef ~]$** cd subversion-1.9.4-1/

ls

cd subversion/

ls

cd bin/

ls

svnadmin create maven /home/vagrant/

sh svnadmin create /home/vagrant/mavensubversion

ls

cd ..

ls

cd apache2/conf/

vi httpd.conf

cd ../

sh ctlscript.sh restart

ls

cd ../

Go to Desktop and create a folder.

For Example created Maven Practice.

Go inside the folder and type cmd from the URL Path.

**C:\Users\Sasikanth\Desktop\Maven Practice>svn co http://192.168.33.11:8080/subver**

**sion/**

Checked out revision 0.

**C:\Users\Sasikanth\Desktop\Maven Practice>cd subversion**

C:\Users\Sasikanth\Desktop\Maven Practice\subversion>svn mkdir Trunk Branch Tag

A Trunk

A Branch

A Tag

**C:\Users\Sasikanth\Desktop\Maven Practice\subversion>svn ci -m "folders added"**

Adding Branch

Adding Tag

Adding Trunk

Committed revision 1.

**C:\Users\Sasikanth\Desktop\Maven Practice\subversion>svn ci -m "folders added"**

Adding Branch

Adding Tag

Adding Trunk

Committed revision 1.

Copy the src folder and build.xml and HelloWorld.java files to local folder i.e., Maven Practice

C:\Users\Sasikanth\Desktop\Maven Practice\subversion>svn status

? Branch\build.xml

? Branch\src

? Branch\test1

? Trunk\build.xml

? Trunk\src

? Trunk\test

? Trunk\test1

C:\Users\Sasikanth\Desktop\Maven Practice\subversion>cd Branch

C:\Users\Sasikanth\Desktop\Maven Practice\subversion\Branch>svn add \*

A build.xml

A src

A src\Factorial.java

A test1

C:\Users\Sasikanth\Desktop\Maven Practice\subversion\Branch>svn ci -m "hello"

Adding build.xml

Adding src

Adding src\Factorial.java

Adding test1

Transmitting file data ..

Committed revision 2.

C:\Users\Sasikanth\Desktop\Maven Practice\subversion\Branch>cd ..

C:\Users\Sasikanth\Desktop\Maven Practice\subversion>cd Trunk

C:\Users\Sasikanth\Desktop\Maven Practice\subversion\Trunk>svn add \*

A build.xml

A src

A src\HelloWorld.java

A test

A test1

C:\Users\Sasikanth\Desktop\Maven Practice\subversion\Trunk>svn ci -m "hello"

Adding build.xml

Adding src

Adding src\HelloWorld.java

Adding test

Adding test1

Transmitting file data ..

Committed revision 3.

C:\Users\Sasikanth\Desktop\Maven Practice\subversion\Trunk>cd ../

C:\Users\Sasikanth\Desktop\Maven Practice\subversion>cd Tag

C:\Users\Sasikanth\Desktop\Maven Practice\subversion\Tag>cd ..

C:\Users\Sasikanth\Desktop\Maven Practice\subversion>svn update

Updating '.':

At revision 3.

C:\Users\Sasikanth\Desktop\Maven Practice\subversion>svn status

**Create one more directory “maven”**

C:\Users\Sasikanth\Desktop\Maven Practice\subversion>svn mkdir maven

A maven

C:\Users\Sasikanth\Desktop\Maven Practice\subversion>svn ci -m "mavenfolder added"

Adding maven

Committed revision 4.

**C:\Users\Sasikanth\Desktop\Maven Practice\subversion>cd maven**

Now at Maven installation file copy the src and pom.xml file from myapp folder.

**C:\Users\Sasikanth\Desktop\Maven Practice\subversion\maven>svn add \***

A pom.xml

A src

A src\main

A src\main\java

A src\main\java\com

A src\main\java\com\maaven

A src\main\java\com\maaven\practice

A src\main\java\com\maaven\practice\App.java

A src\test

A src\test\java

A src\test\java\com

A src\test\java\com\maaven

A src\test\java\com\maaven\practice

A src\test\java\com\maaven\practice\AppTest.java

**C:\Users\Sasikanth\Desktop\Maven Practice\subversion\maven>svn ci -m "Files Added"**

Adding pom.xml

Adding src

Adding src\main

Adding src\main\java

Adding src\main\java\com

Adding src\main\java\com\maaven

Adding src\main\java\com\maaven\practice

Adding src\main\java\com\maaven\practice\App.java

Adding src\test

Adding src\test\java

Adding src\test\java\com

Adding src\test\java\com\maaven

Adding src\test\java\com\maaven\practice

Adding src\test\java\com\maaven\practice\AppTest.java

Transmitting file data ...

Committed revision 5.

**C:\Users\Sasikanth\Desktop\Maven Practice\subversion\maven>**

Launch WinScp and copy the file Jenkins.war to Vagrant 11 Machine.

Now go to Vagrant 11 Machine from putty and run below command.

**[vagrant@chef ~]$ java -jar jenkins.war**

**Note:** If we get any error please Close the Vagrant 11 Machine at Oracle Virtual Box and start again the Vagrant 11 machine.

**[vagrant@chef ~]$ java -jar jenkins.war**

We can see Jenkins started.