#Java-maven-Git-Tomcat-Jenkins Configuration

#login to root

echo login to root

sudo -i

#install wget downloaded.

echo install wget downloaded.

sudo yum install wget -y

#===========================JAVA INSTALLATION START==========================================

#JAVA Setup

echo JAVA Setup

#download JDK rpm

echo download JDK rpm

wget -c --header "Cookie: oraclelicense=accept-securebackup-cookie" http://download.oracle.com/otn-pub/java/jdk/8u131-b11/d54c1d3a095b4ff2b6607d096fa80163/jdk-8u131-linux-x64.rpm

#Install RPM

echo Install RPM

sudo rpm -i jdk-8u131-linux-x64.rpm

#Setup Maven

export JAVA\_HOME=/usr/java/jdk1.8.0\_131

export PATH=$JAVA\_HOME/bin:$PATH

#Check java

echo Check the java version

java -version

#Java Home path: /usr/java/jdk1.8.0\_131

echo Java Home path: /usr/java/jdk1.8.0\_131

#===========================JAVA INSTALLATION END=========================================

#===========================MAVEN SETUP START========================================================

#Maven Setup:

echo Maven Setup:

#Download maven:

echo Download maven:

sudo wget http://apache.mirrors.lucidnetworks.net/maven/maven-3/3.5.3/binaries/apache-maven-3.5.3-bin.tar.gz

#Unzip tar file

echo Unzip tar file

sudo tar zxpvf apache-maven-3.5.3-bin.tar.gz

#maven home path depedns on the user: here we are running from root user. /home/ec2-user/apache-maven-3.5.3

echo maven home: /root/apache-maven-3.5.3

#Setup Maven

export MAVEN\_HOME=/root/apache-maven-3.5.3

export M3=$MAVEN\_HOME/bin

export PATH=$M3:$PATH

#check maven: mvn -v

echo check maven: mvn -v

mvn -v

#vi /root/apache-maven-3.5.3/conf/settings.xml: update this settings file with below nexus credentials.

echo'

<server>

<id>deployment</id>

<username>deployment</username>

<password>deployment123</password>

</server>

'

#===========================MAVEN SETUP END========================================================

#===========================TOMCAT SETUP START========================================================

#Tomcat Setup:

echo Tomcat Setup:

#Download Tomcat

echo Download Tomcat

#wget http://ftp.cixug.es/apache/tomcat/tomcat-7/v7.0.88/bin/apache-tomcat-7.0.88.tar.gz

**#wget** [**https://archive.apache.org/dist/tomcat/tomcat-9/v9.0.0.M10/bin/apache-tomcat-#9.0.0.M10.tar.gz**](https://archive.apache.org/dist/tomcat/tomcat-9/v9.0.0.M10/bin/apache-tomcat-#9.0.0.M10.tar.gz)

wget http://apache.mirrors.ionfish.org/tomcat/tomcat-8/v8.0.53/bin/apache-tomcat-8.0.53.tar.gz

#Unzip tar file

echo Unzip tar file

tar zxpvf apache-tomcat-8.0.53.tar**.gz**

#Move to folder

echo Move to folder

mv apache-tomcat-8.0.53 **tomcat8**

#Update tomcat-users.xml file: vi tomcat8/conf/tomcat-users.xml

echo'

<role rolename="manager-gui"/>

<user username="tomcat" password="s3cret" roles="manager-gui"/>

'

#Check whether its updated properly or not: cat tomcat8/conf/tomcat-users.xml

#Startup the server: ./tomcat8/bin/startup.sh

#Shutdown the server: ./tomcat8/bin/shutdown.sh

#Startup the tomcat server and then launch the URL in any browser: http://<PublicIP>:8080

#===========================TOMCAT SETUP END=================================================

#===========================JENKINS SETUP START=================================================

#Jenkins Setup:

echo Jenkins Setup:

#Download Jenkins

echo Download Jenkins

wget http://updates.jenkins-ci.org/download/war/2.126/jenkins.war

#Deploy war to tomcat

echo Deploy war to tomcat

mv jenkins.war tomcat8/webapps/

#Restart the server if required.

#/root/tomcat8/bin/shutdown.sh

#/root/tomcat8/bin/startup.sh

#launch the tomcat URL and start jenkins.

#Access the URL: http://publicIP:8080/ in browser

#Login to "Manager webapp" --> click on "jenkins" --> http://18.218.88.137:8088/jenkins/

#While Jenkins is starting up, it will ask you to enter pwd from the below location.

#Run the command: cat /root/.jenkins/secrets/initialAdminPassword

#Copy the pwd and paste it on jenkins.

#Install plugins (first option)

#Uname/pwd/email setup OR continue as admin. Recommend to signup & continue as user.

#Manage Jenkins --> Global Tool Configuration

#--> Add JDK home path :

# Name: jdk1.8.0\_131

# Path: /usr/java/jdk1.8.0\_131

#--> Add Git home path :

# Name: GitExePath

# Path: /usr/bin/git

#--> Add Mvn home path :

# Name: maven-3.5.3

# Path: /root/apache-maven-3.5.3

#===========================JENKINS SETUP END=================================================

#===========================GIT INSTALLATION START===========================================

#Git Setup:

echo Git Setup:

#Git Installation

echo Git Installation

sudo yum install git -y

#GitHome: /usr/bin/git (sudo find / -name "git" -- to search with command)

echo GitHome: /usr/bin/git (sudo find / -name "git" -- to search with command)

#Git Version

echo Git Version

git --version

java -version

mvn -v

#===========================GIT INSTALLATION END=======================================================