JENKINS INSTALLATION STEPS ON UBUNTU:14.04 & 16.04

Step1: Install Oracle java 8 on ubuntu 14.04

1. Add apt repository

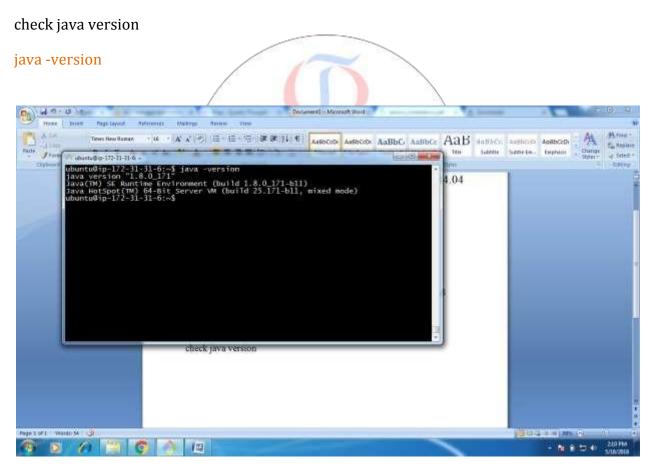
sudo apt-add-repository ppa:webupd8team/java

Type in user password when it asks and hit Enter to continue.

2. After that, update system package cache and install Oracle java 8

sudo apt-get update

sudo apt-get install oracle-java8-installer



Step3: To Set JAVA_HOME / PATH for all user, You need to setup global config in /etc/profile OR /etc/bash.bashrc file for all users:

open /etc/profile

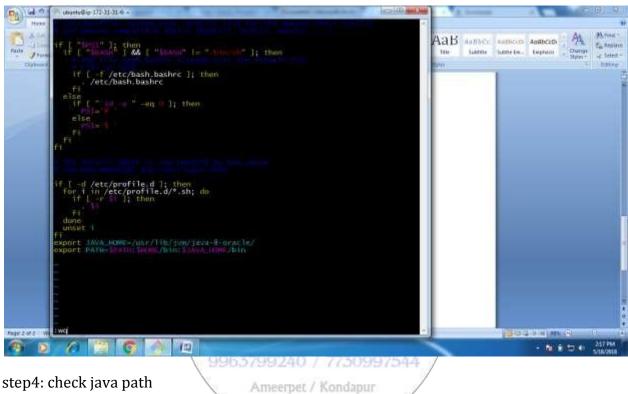
sudo vi /etc/profile

add bellow steps end of file

export JAVA_HOME=/usr/lib/jvm/java-8-oracle/

export PATH=\$PATH:\$HOME/bin:\$JAVA_HOME/bin

To save and exit press Esc and :wq



Hyderabad

step4: check java path

java -version

Step5: Install maven

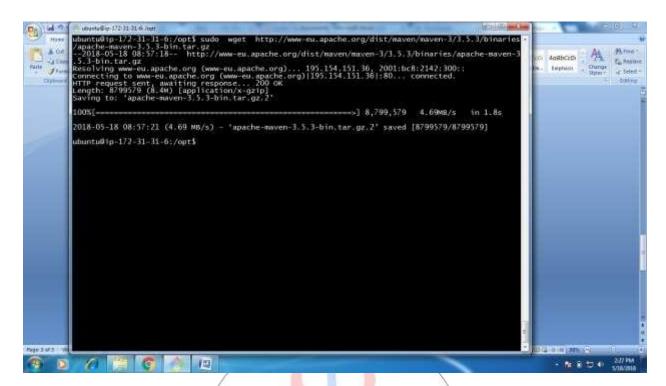
1. Download Apache Maven

Go to /opt directory

cd /opt

Download maven tar file

sudo wget http://www-eu.apache.org/dist/maven/maven-3/3.5.4/binaries/apachemaven-3.5.4-bin.tar.gz



Extract Apache Maven:

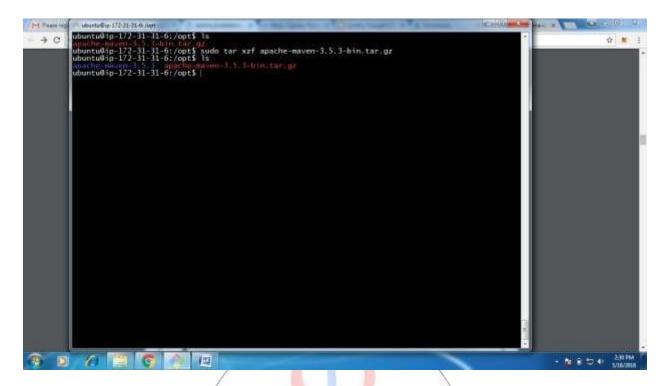
Using below command:

sudo tar xzf apache-maven-3.5.4-bin.tar.gz

After run below command:

sudo ln -s /opt/apache-maven-3.5.4/bin/mvn/usr/bin/mvn

Hyderabad



Hyderabad

Setup Environment Variables for maven

Go to /etc/profile

add bellow steps

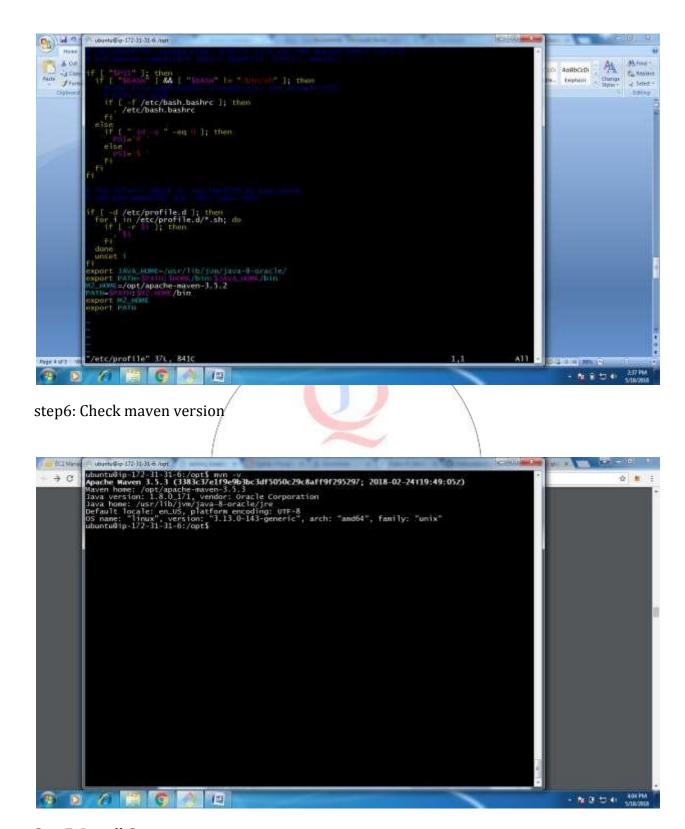
sudo vi /etc/profile

M2_HOME=/opt/apache-maven-3.5.4 meerpet / Kondapur

PATH=\$PATH:\$M2_HOME/bin

export M2_HOME

export PATH



Step7: Install Git

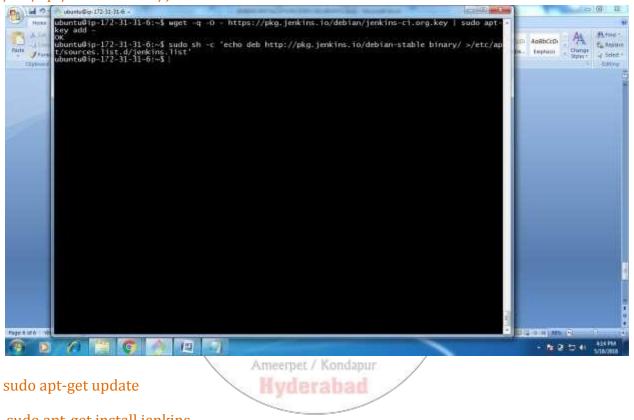
sudo apt-get install git

Step8: JENKINS Installation On ubuntu:14.04

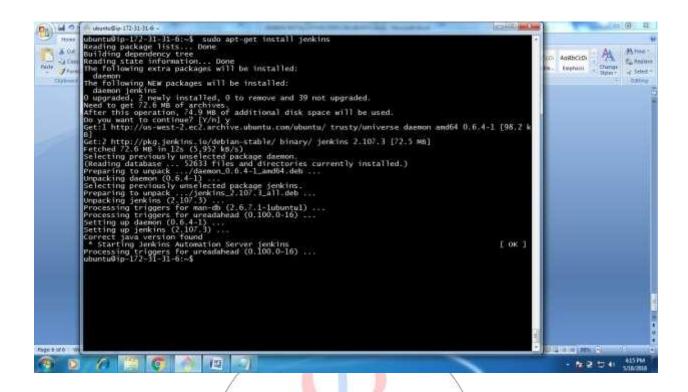
Add apt repo

wget -q -O - https://pkg.jenkins.io/debian/jenkins-ci.org.key | sudo apt-key add sudo sh -c 'echo deb https://pkg.jenkins.io/debian-stable binary/ | sudo tee

/etc/apt/sources.list.d/jenkins.list'



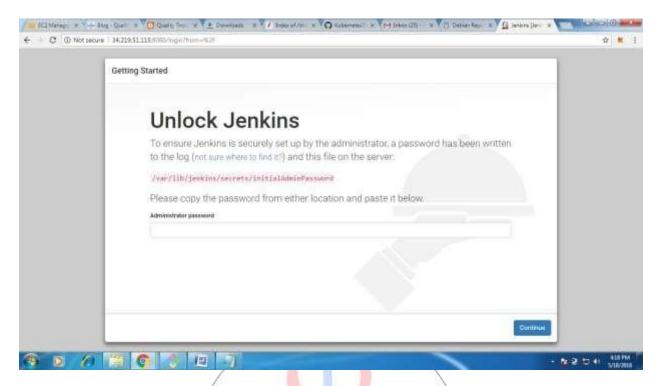
sudo apt-get install jenkins



Check your Jenkins status

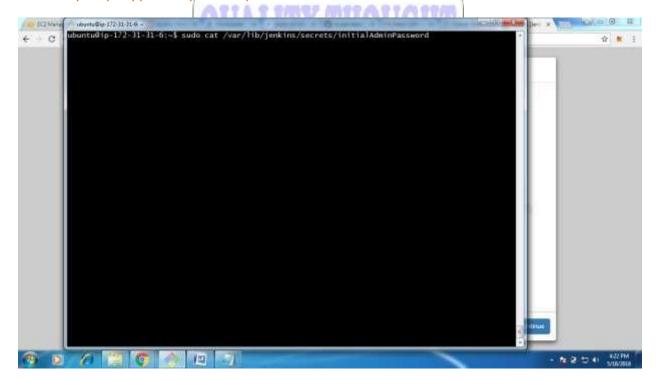


Go to any browser give your ip:8080

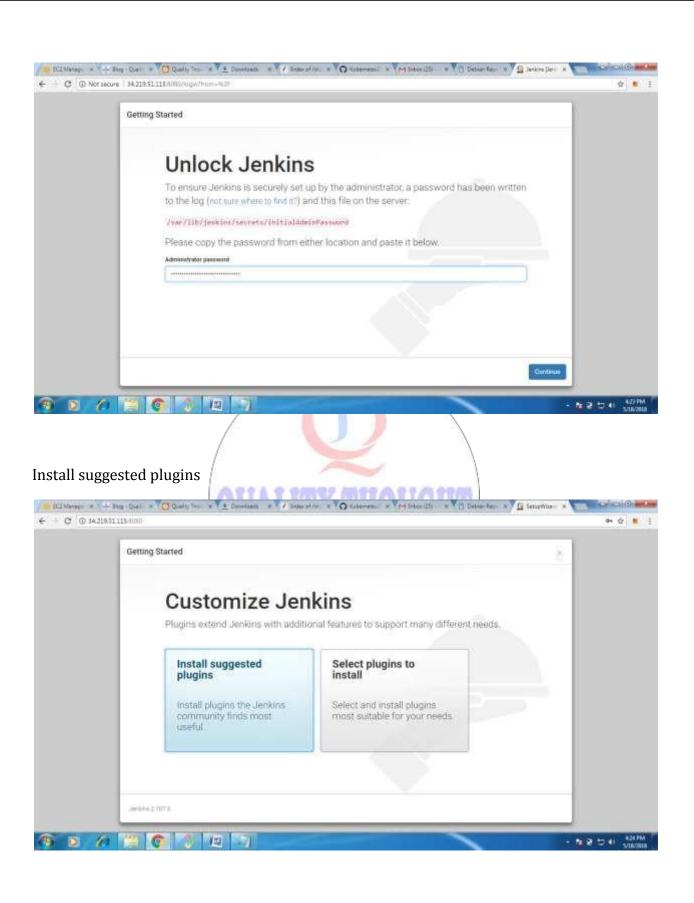


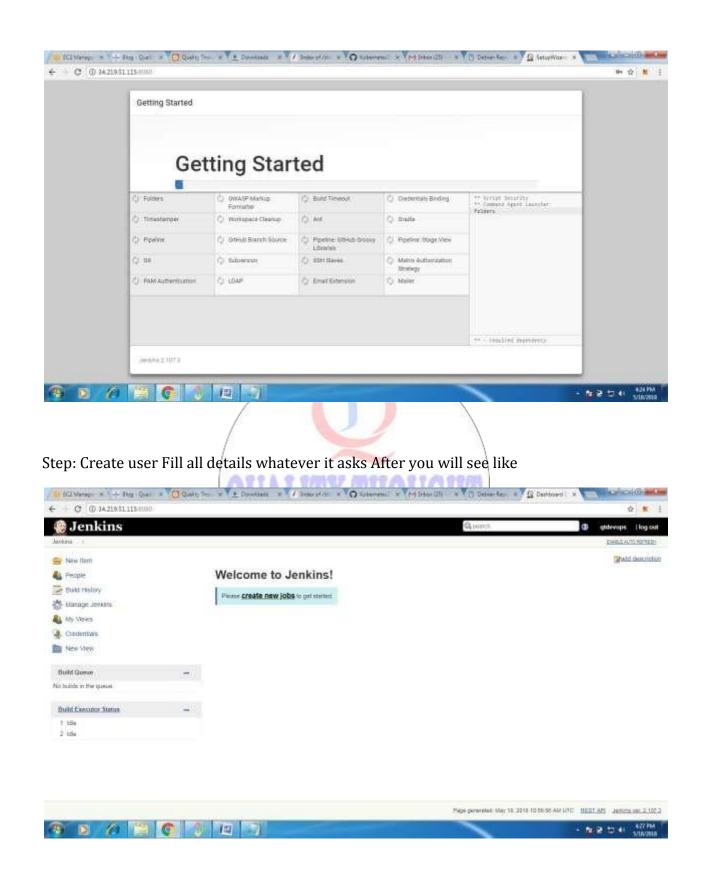
Got to terminal run below command for passwd

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

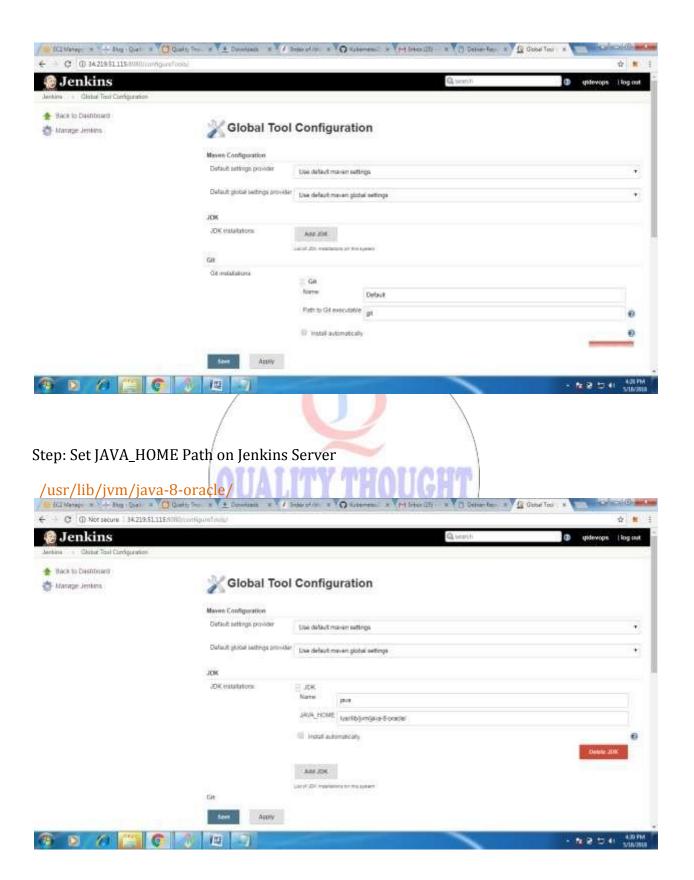


Copy and paste in your browser and click continue

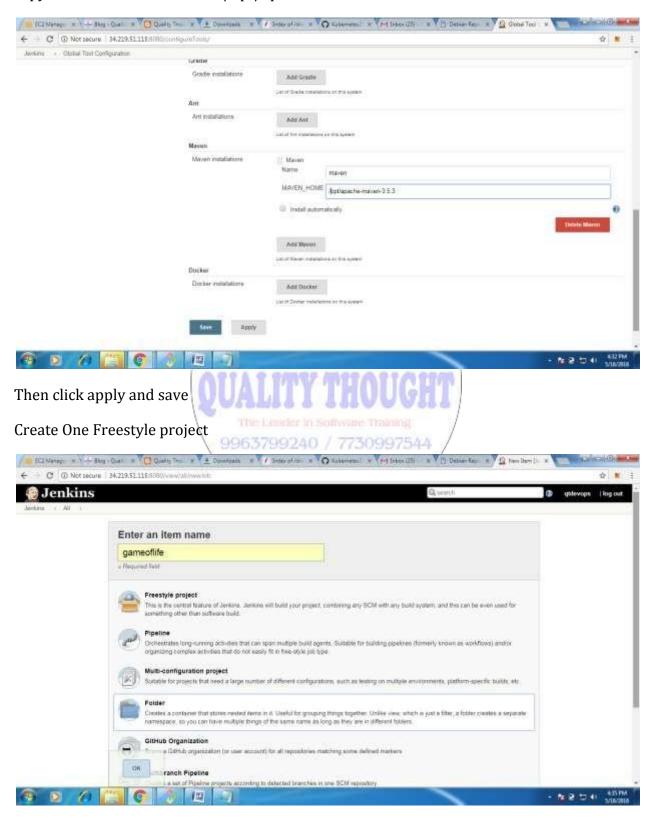




Step: Click on Mange Jenkins go to Global Tool Configuration

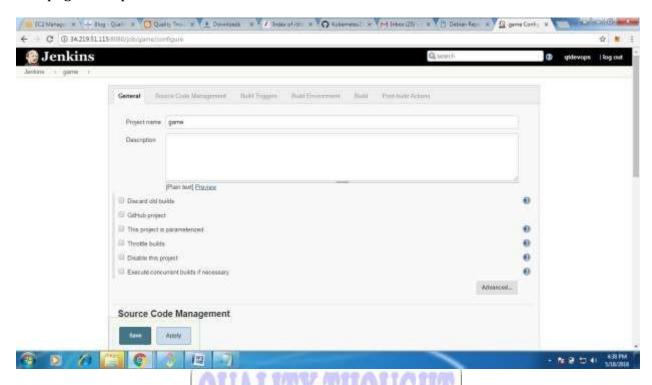


step: Set Maven path variable on Jenkins server copy this to MAVEN_HOME => /opt/apache-maven-3.5.3

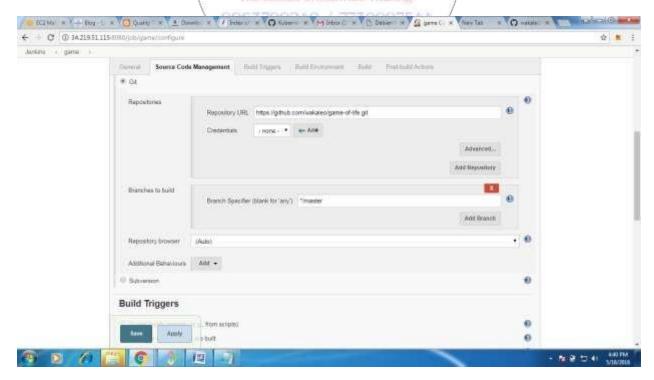


Click Ok.

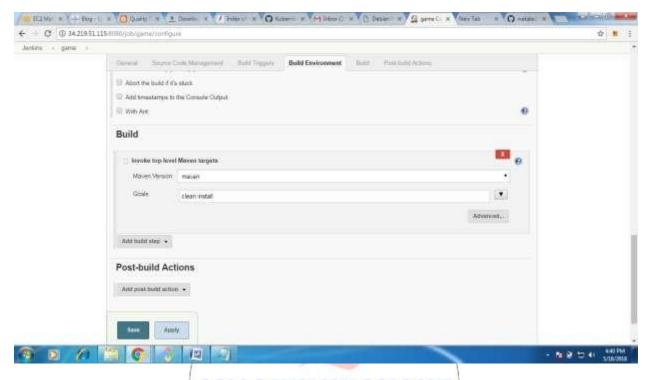
The page will open like bellow screen shot:



Scroll down and in the Source code management section enter your source code path. Here, we took git as our source code path



In the below Build section select "Invoke toplevel maven" in the option and enter Maven goals



Click Build Now option and goto console output check whether the build is success or fail



you can also check about the build output by seeing the color of the status of the last build on the dashboard.

