JavaHubLive.com Developer CookBook Guide

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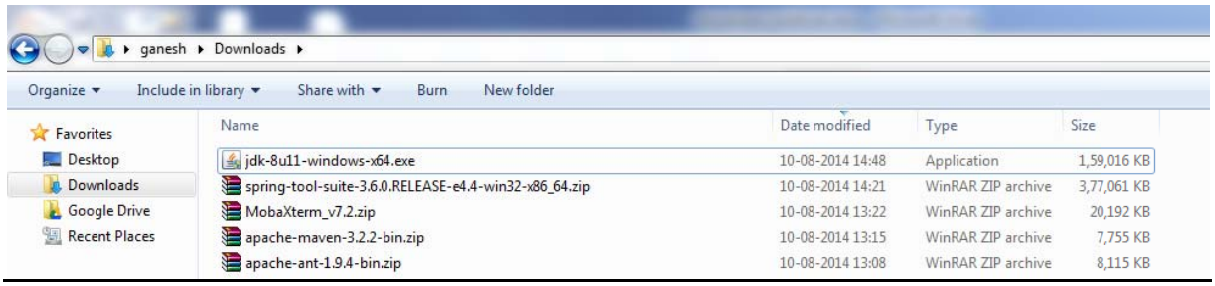
Required tools/applications to run source codes of JavaHubLive.com

Jdk 1.8 (Download)
Apache Ant 1.9.4 (Download)
Apache Maven 3.2.2 (Download)
Spring Tool Suite 3.6.0 (Download)
MoboXterm 7.2 (Optional) (Download)

Note : We are using X64 bit system at development. If you have X32 bit system then we would recommend to use X32 bit applications/tools.

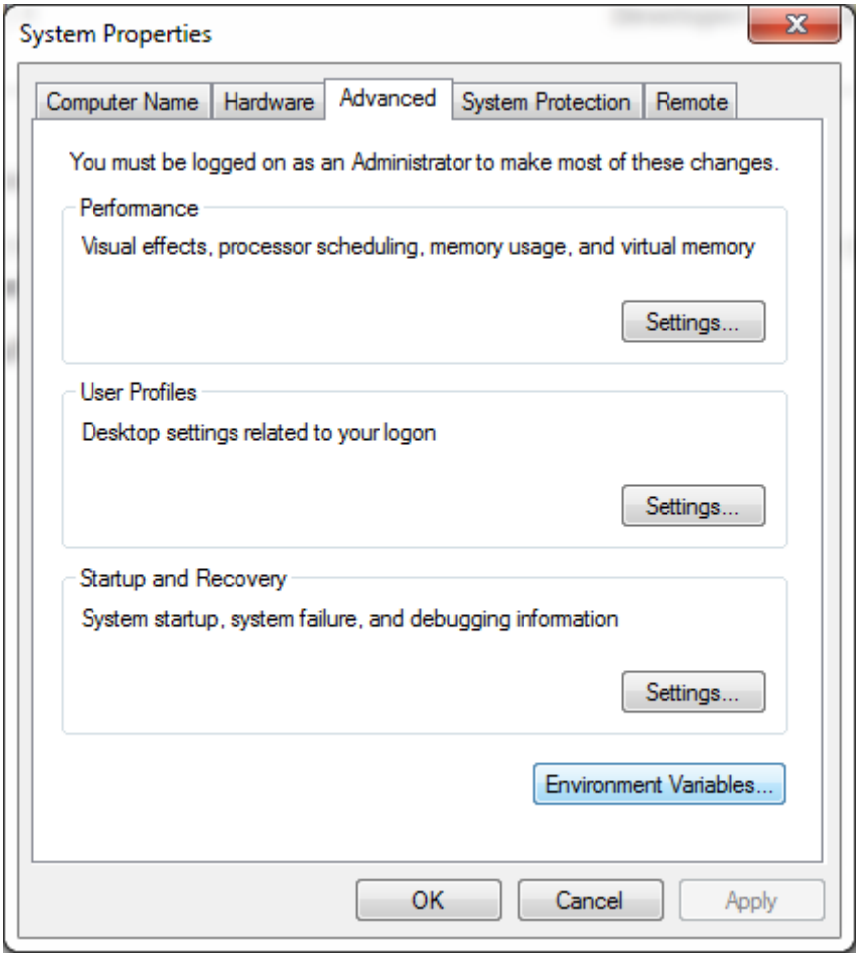
Downloaded files



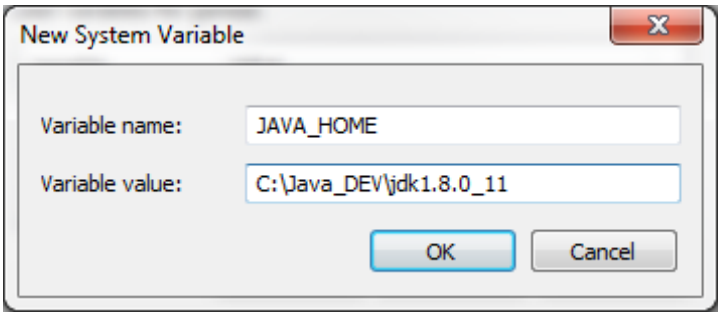
Setup Jdk on local machine

Step 1 : Assume that you have already downloaded jdk 1.8 on machine. If you don't then please go head and download from above mention links.

Step 2: Go to "System Properties" option and click on Environment Variable button.

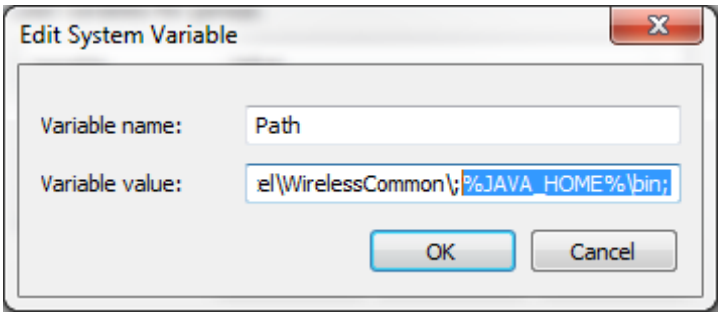


Step 3: Create a new System variable named as "JAVA_HOME" and set the value as "C:\Java_DEV\jdk1.8.0_11".

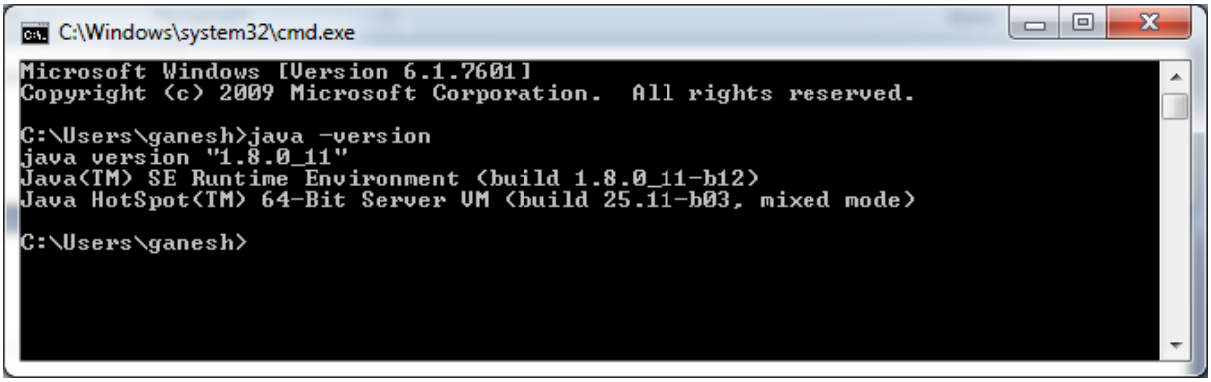


Step 4: Modify the existing "path" system variable and add the following value at last of the line, after adding semicolon ";"

Exmple :



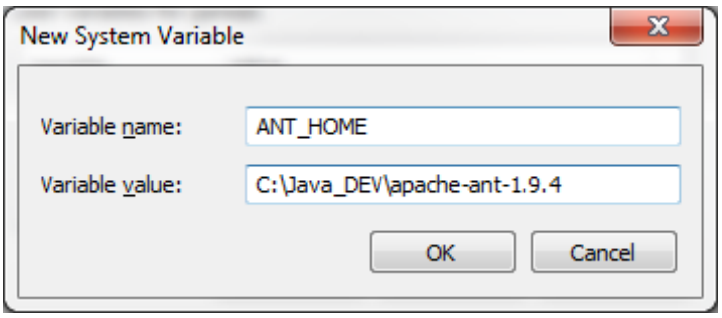
Step 5: Verify the java setup using the following command line.



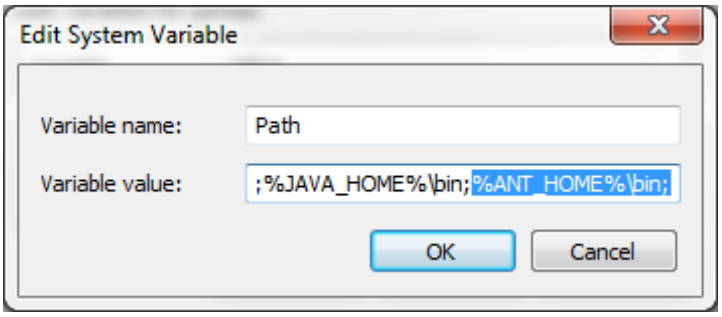
Note: You can use the user variable for development setup, but it would be limited user access of the system. System variables can be accessed by any user who logged in the system.

Apache Ant configuration

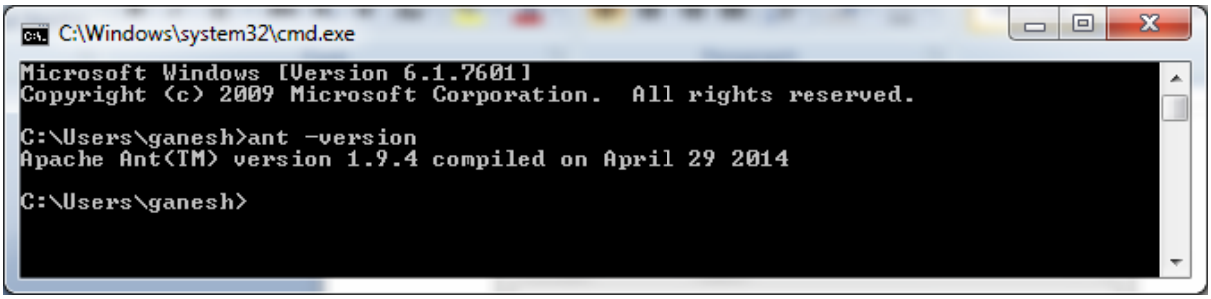
Step 1: Create a new system variable named as "ANT_HOME".



Step 2: Update existing path system variable and append the value "%ANT_HOME%\bin";

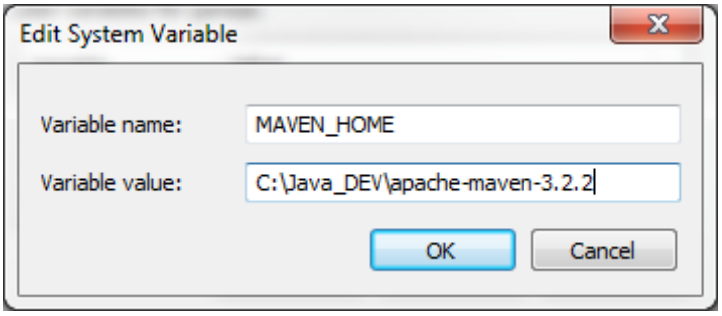


Step 3: Verify the ant classpath, using the following command line.

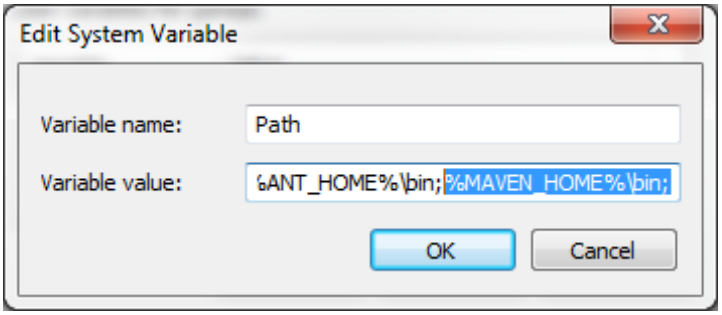


Apache maven configuration

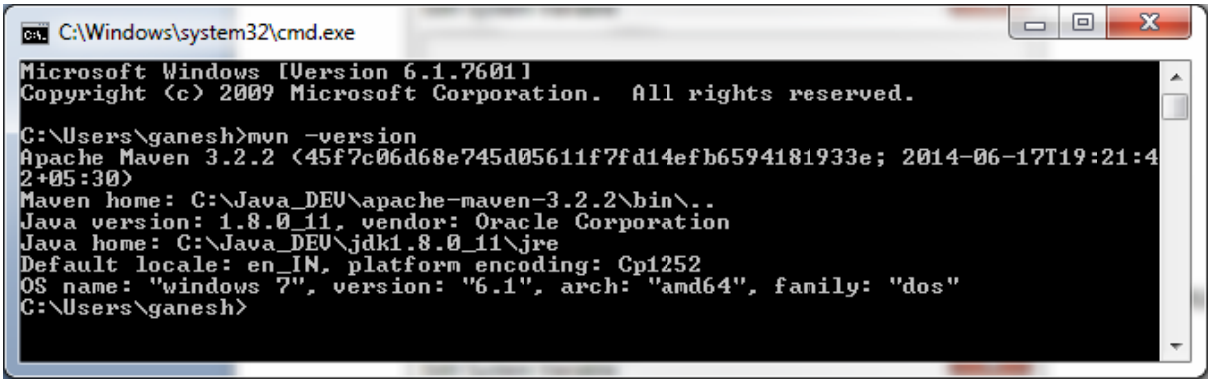
Step 1: Create a new system variable with named as "MAVEN_HOME" and set the value as "C:\Java_DEV\apache-maven-3.2.2".



Step 2: Update existing the path system variable and append the value "%MAVEN_HOME%\bin";



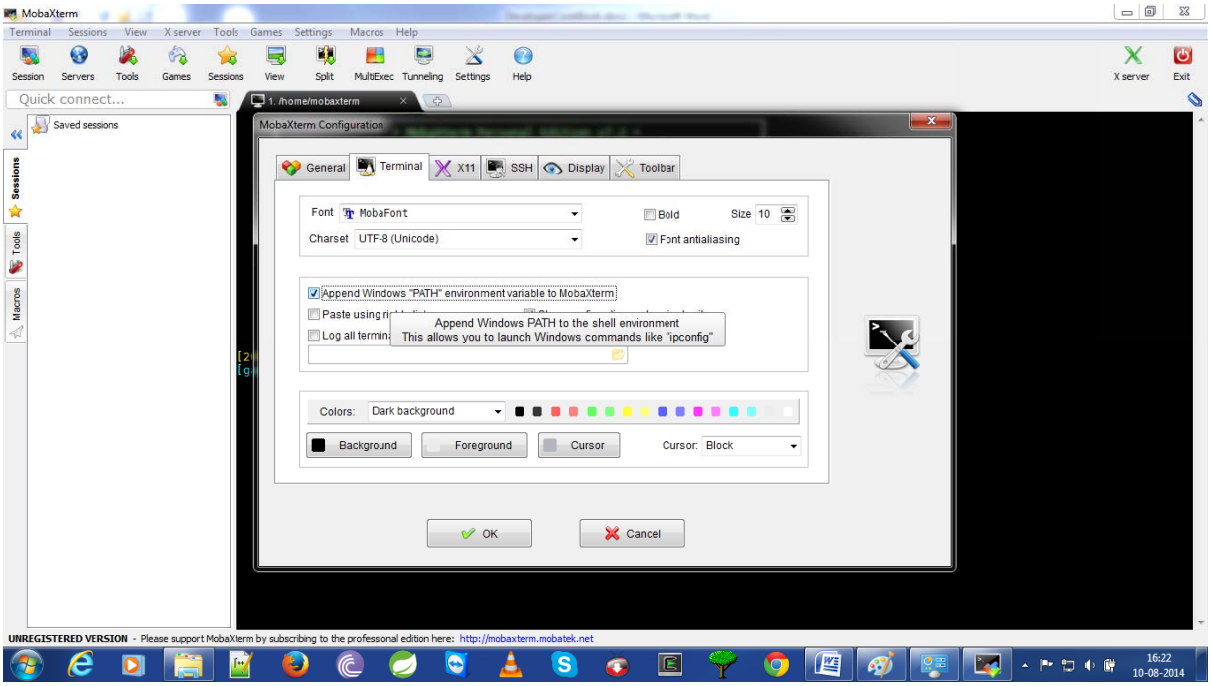
Step 3: Verify the maven classpath, using the following command line.



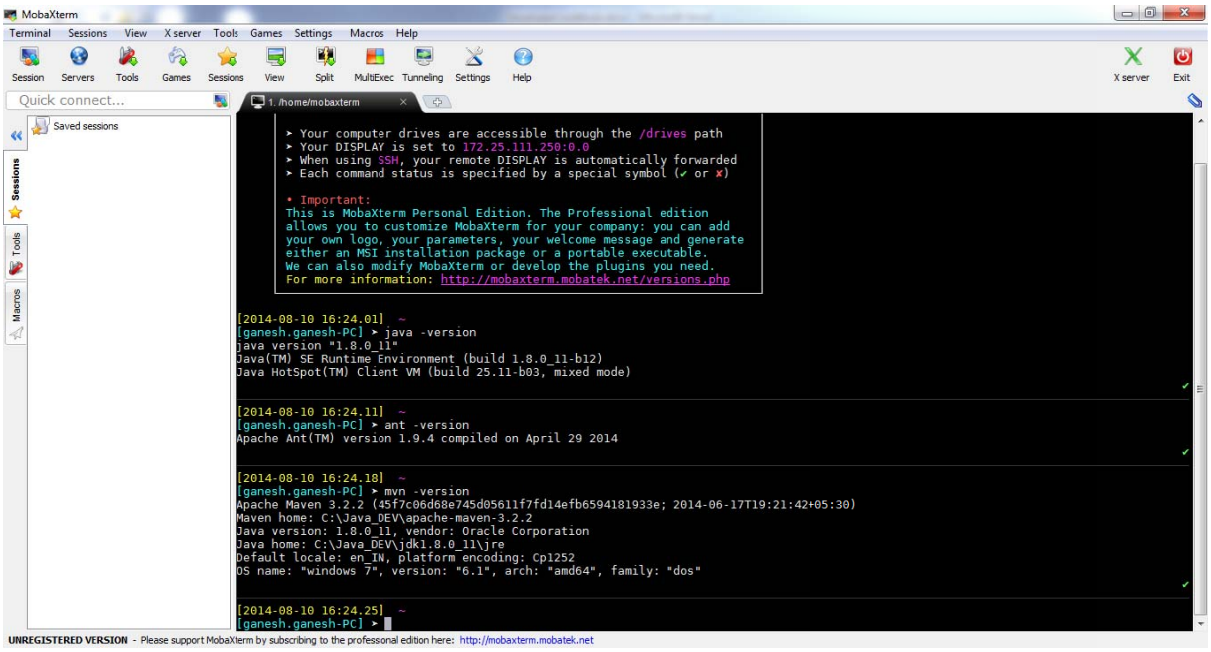
MobaXterm setup

Step 1: Open " MobaXterm_Personal_7.2" from downloaded directory. By default it will open the home directory path of the current logged user.

Step 2: Enable configured classpath for different tools. Go to menu Setting>Configuration and reach to Terminal Tab and select check box for "*Append Windows "PATH" environment variable to mobaXterm*"



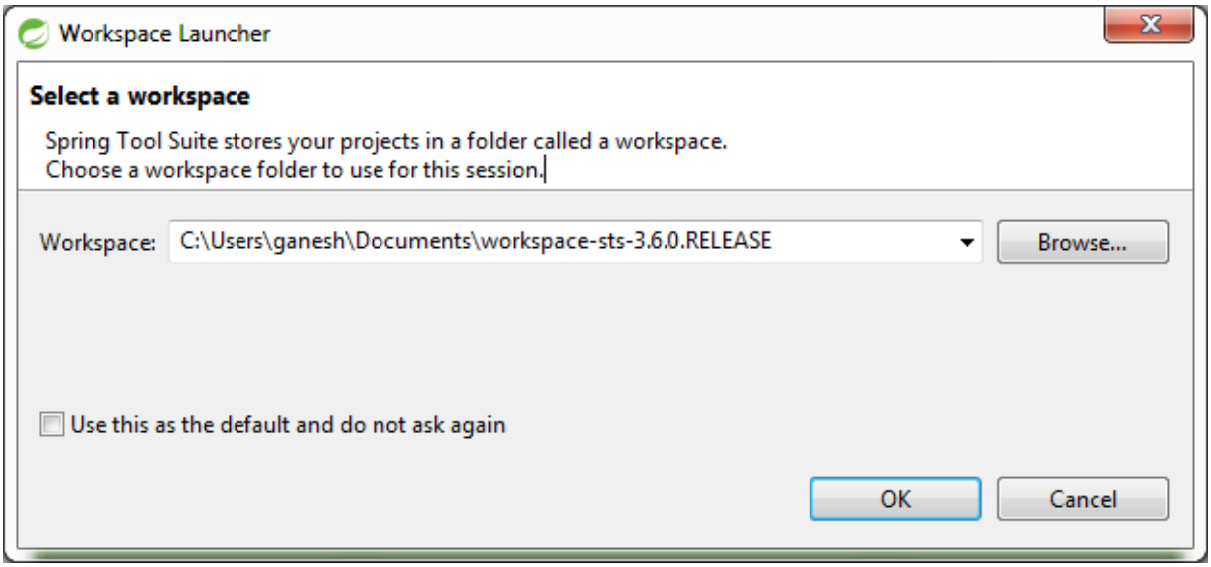
Step 3: Restart the mobaXterm and verify the classpath again using command line.


MobaXterm
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Settings Help
X server Exit
Quick connect...
Saved sessions
Sessions Tools Macros
1. /home/mobaxterm
➤ Your computer drives are accessible through the /drives path
➤ Your DISPLAY is set to 172.25.111.250:0.0
➤ When using SSH, your remote DISPLAY is automatically forwarded
➤ Each command status is specified by a special symbol (✔ or ✘)
• Important:
This is MobaXterm Personal Edition. The Professional edition
allows you to customize MobaXterm for your company: you can add
your own logo, your parameters, your welcome message and generate
either an MSI installation package or a portable executable.
We can also modify MobaXterm or develop the plugins you need.
For more information: http://mobaxterm.mobatek.net/versions.php
[2014-08-10 16:24.01] ~
[ganesh.ganesh-PC] ➤ java -version
java version "1.8.0_11"
Java(TM) SE Runtime Environment (build 1.8.0_11-b12)
Java HotSpot(TM) Client VM (build 25.11-b03, mixed mode)
[2014-08-10 16:24.11] ~
[ganesh.ganesh-PC] ➤ ant -version
Apache Ant(TM) version 1.9.4 compiled on April 29 2014
[2014-08-10 16:24.18] ~
[ganesh.ganesh-PC] ➤ mvn -version
Apache Maven 3.2.2 (45f7c06d68e745d05611f7fd14efb6594181933e; 2014-06-17T19:21:42+05:30)
Maven home: C:\Java_DEV\apache-maven-3.2.2
Java version: 1.8.0_11, vendor: Oracle Corporation
Java home: C:\Java_DEV\jdk1.8.0_11\jre
Default locale: en_IN, platform encoding: Cp1252
OS name: "windows 7", version: "6.1", arch: "amd64", family: "dos"
[2014-08-10 16:24.25] ~
[ganesh.ganesh-PC] ➤
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: http://mobaxterm.mobatek.net

Spring Tool Suite setup

Step 1: Open "C:\Java_DEV\sts-bundle\sts-3.6.0.RELEASE\STS.exe". It will open Spring Tool Suite IDE.

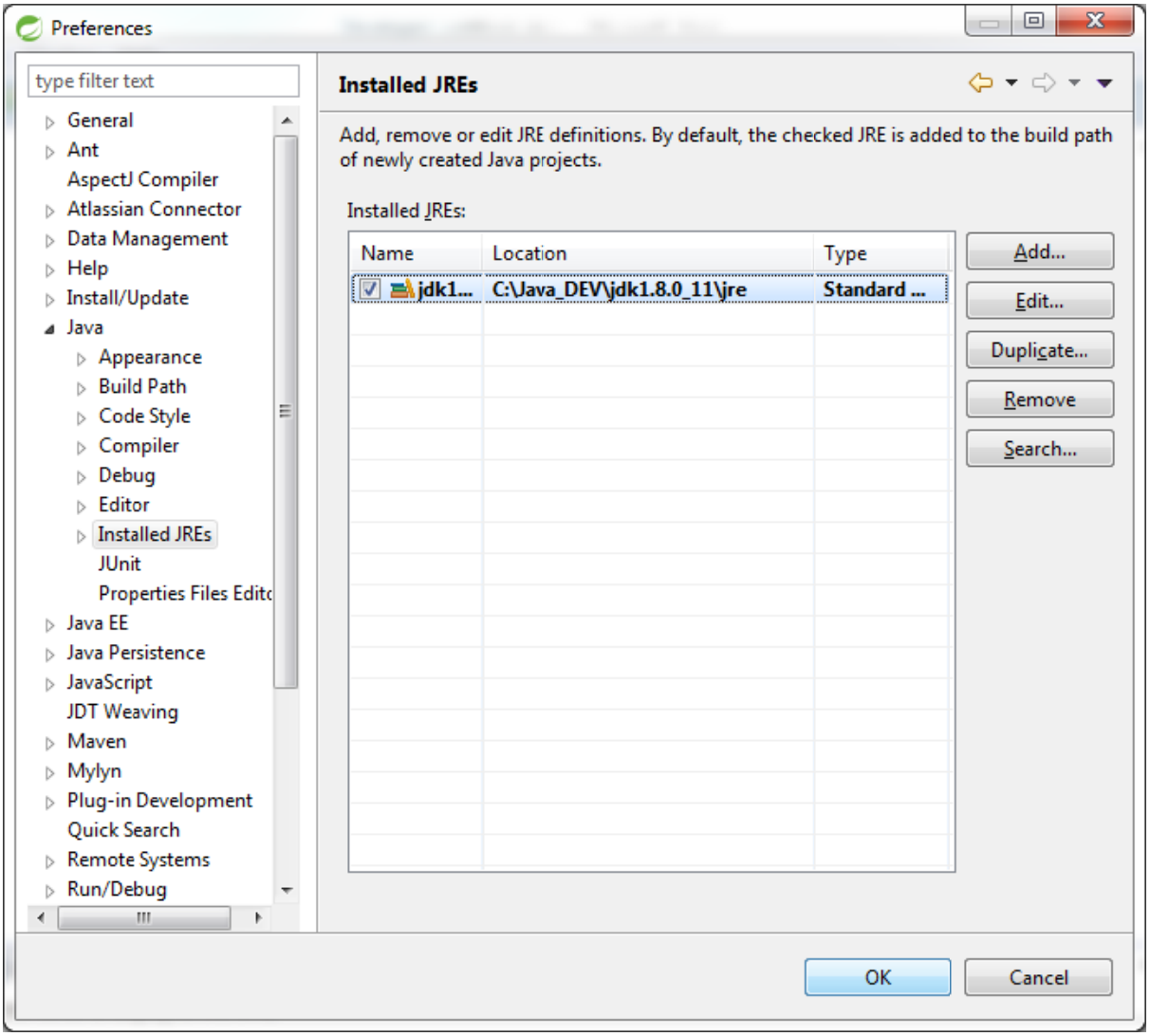
Step 2: It will ask for workspace location. By default it's logged user home directory. Click on ok button. You can change the workspace location if you want.



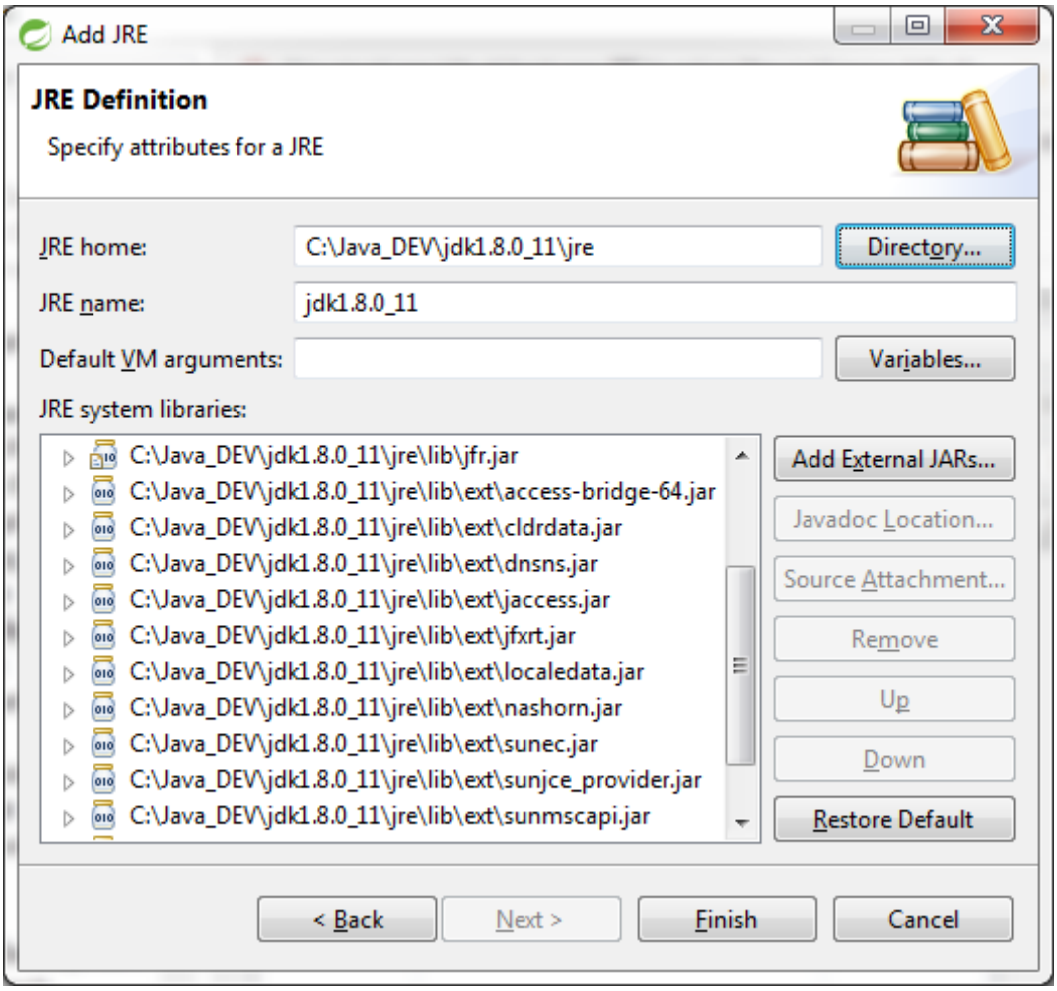
Step 3: Now, Configure jdk, ant and maven in STS.

Jdk configuration

- Go to menu Window>Preferences and select *Installed JREs* from Java menu at left side of window.

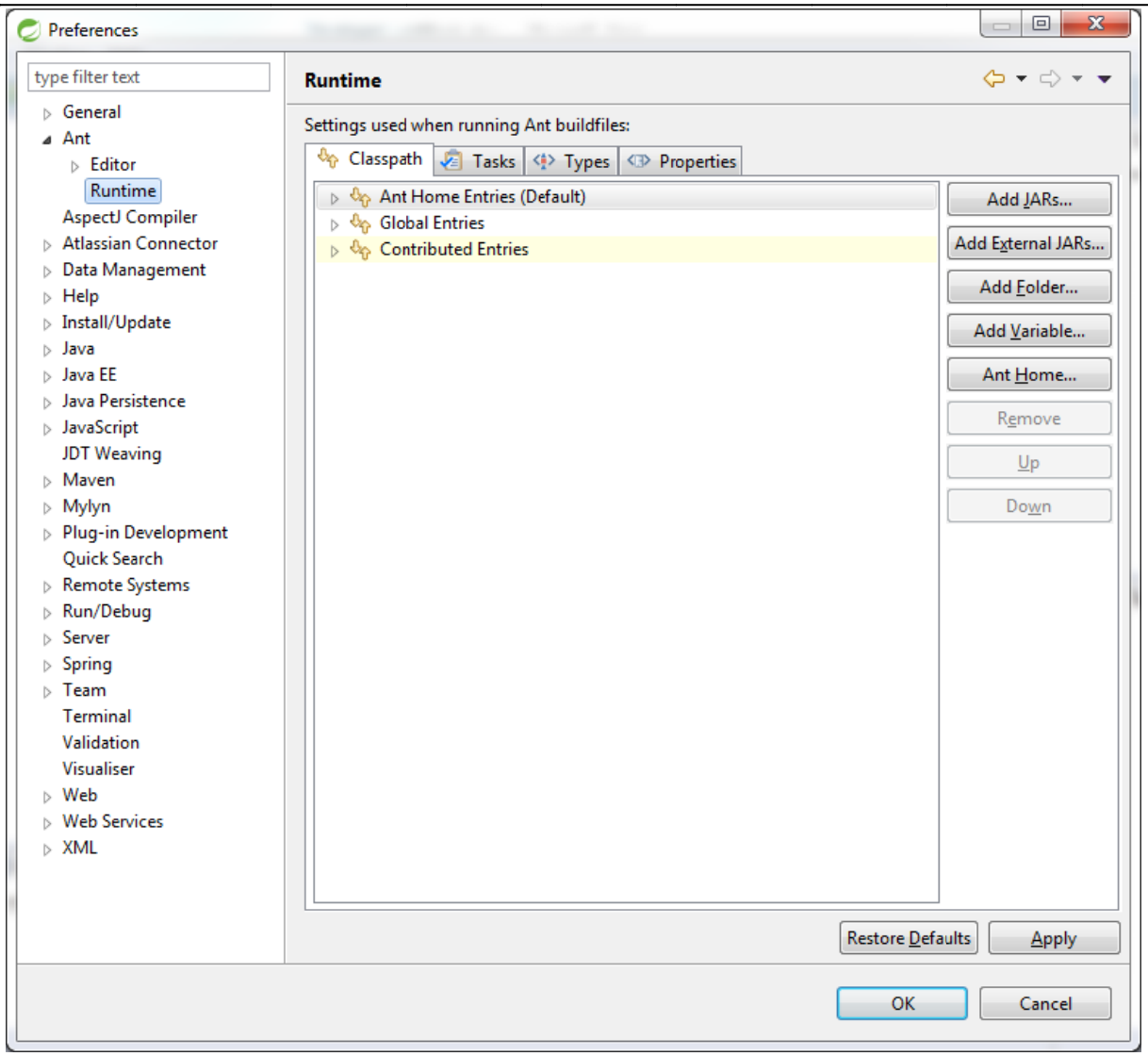


- Click on Add button and define jre8 folder path from installed jdk directory.

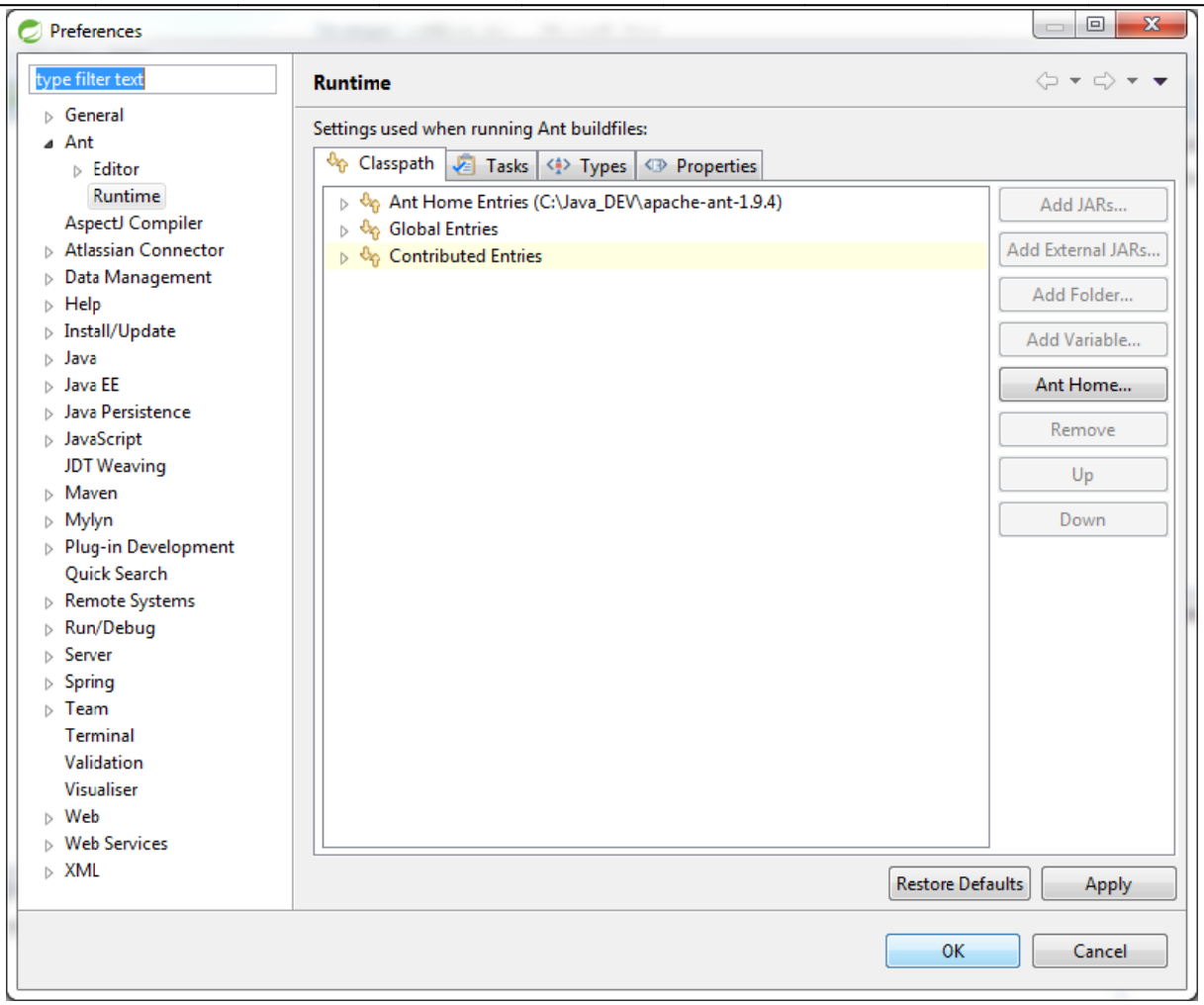


Configure Aapache ant.

- Go to menu Window>Preferences and select Runtime from Ant menu at left side of window.



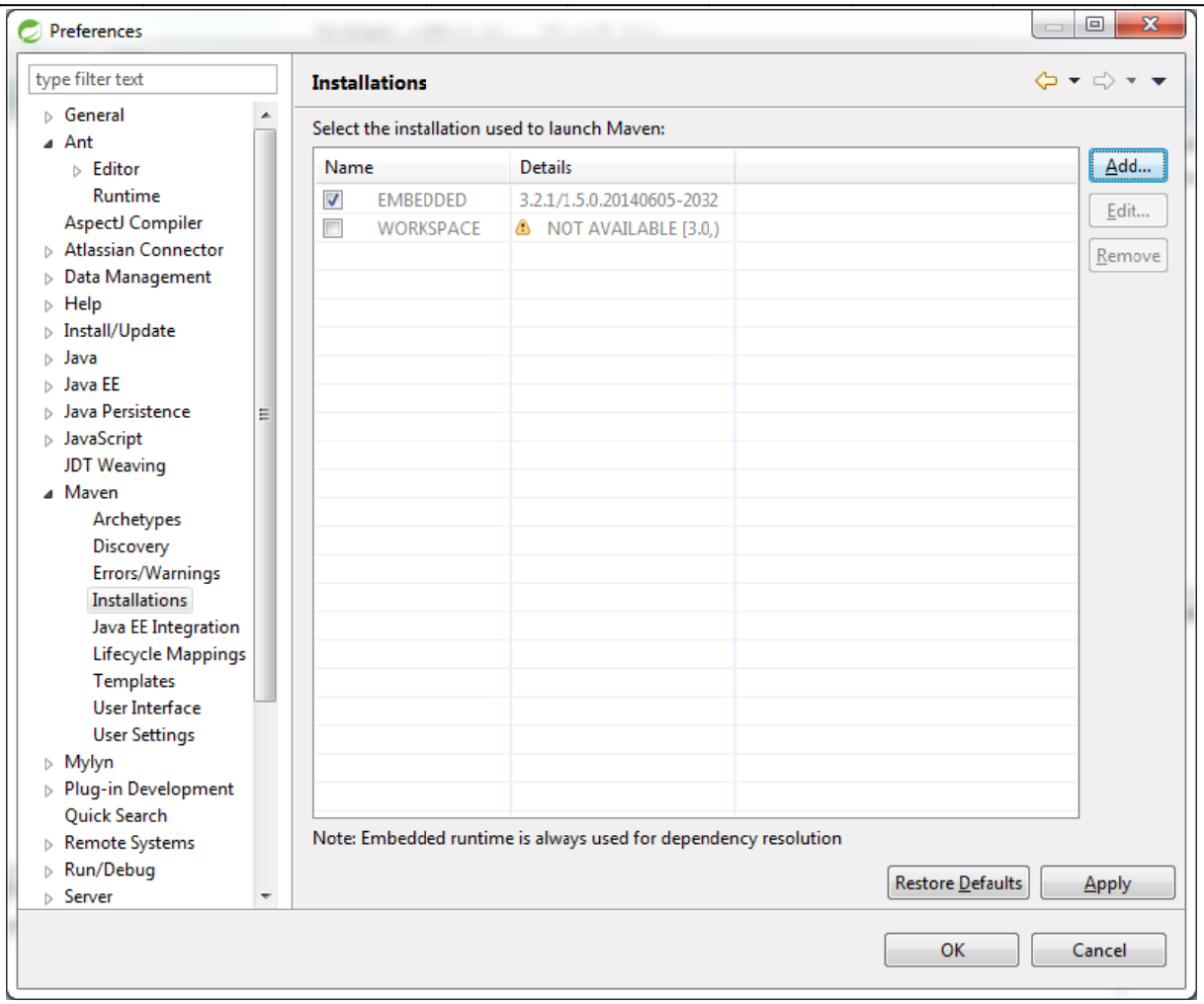
- Click on Ant Home and define the installed directory path of apache ant.



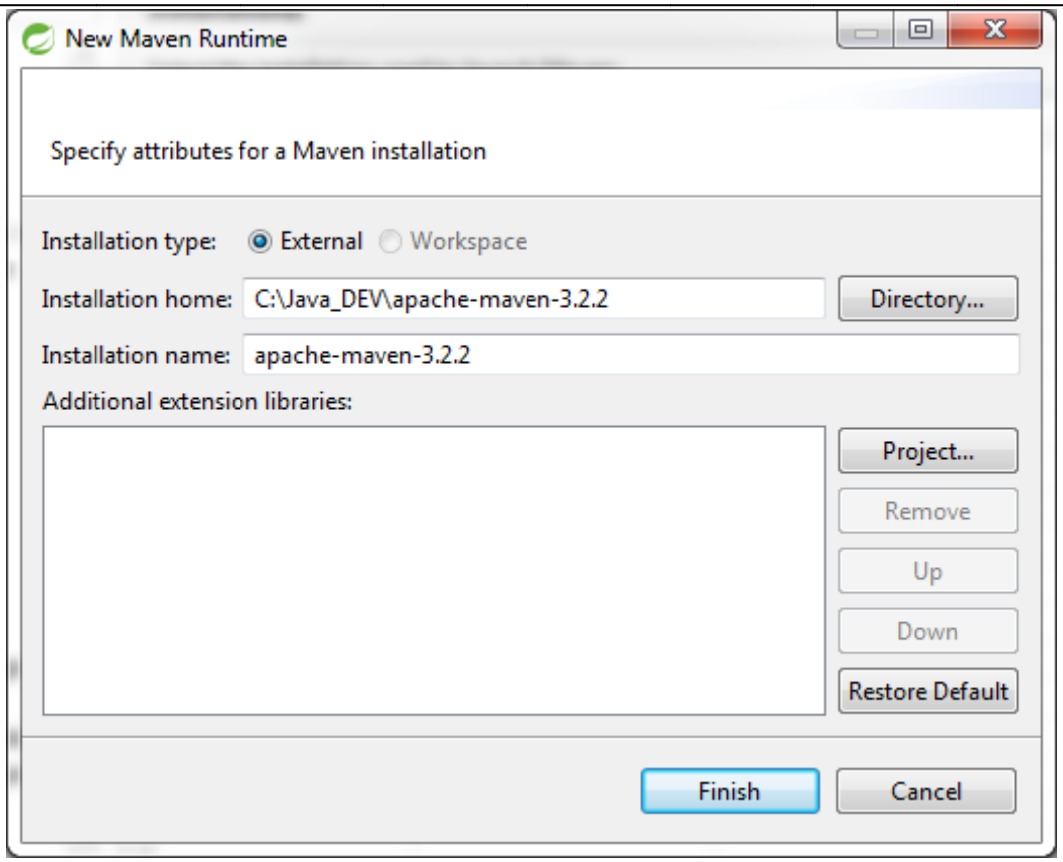
Click on OK button.

Configure Maven

- Go to menu Window>Preferences and select *Installations* from *Maven* menu at left side of window.



- Click on Add button and define maven installed directory path then click on Finish button.



You are done with setup of java application development environment and also able to execute the javahublive.com source codes.

Note: You can run downloaded source codes from javahublive.com in other IDE like eclipse.