

MET CS 673

PLM- Project Life cycle Management

Setup Guide

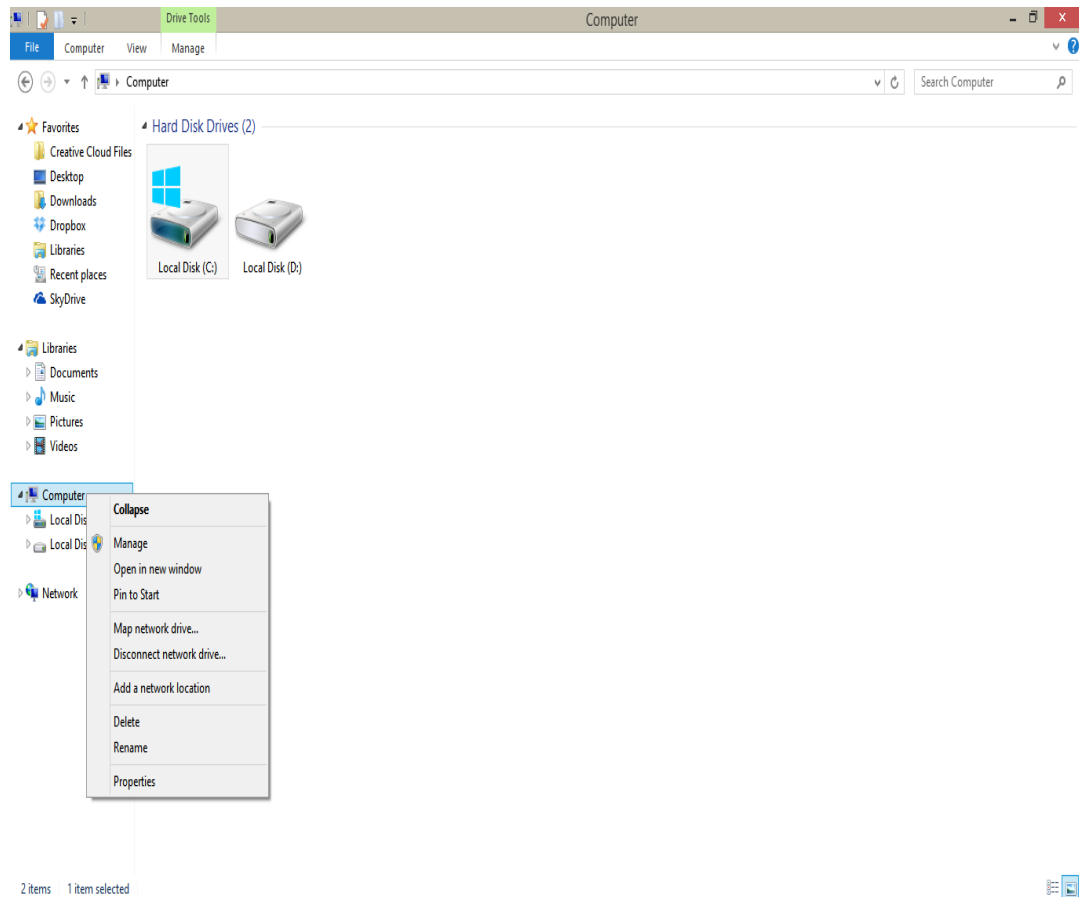
Author:

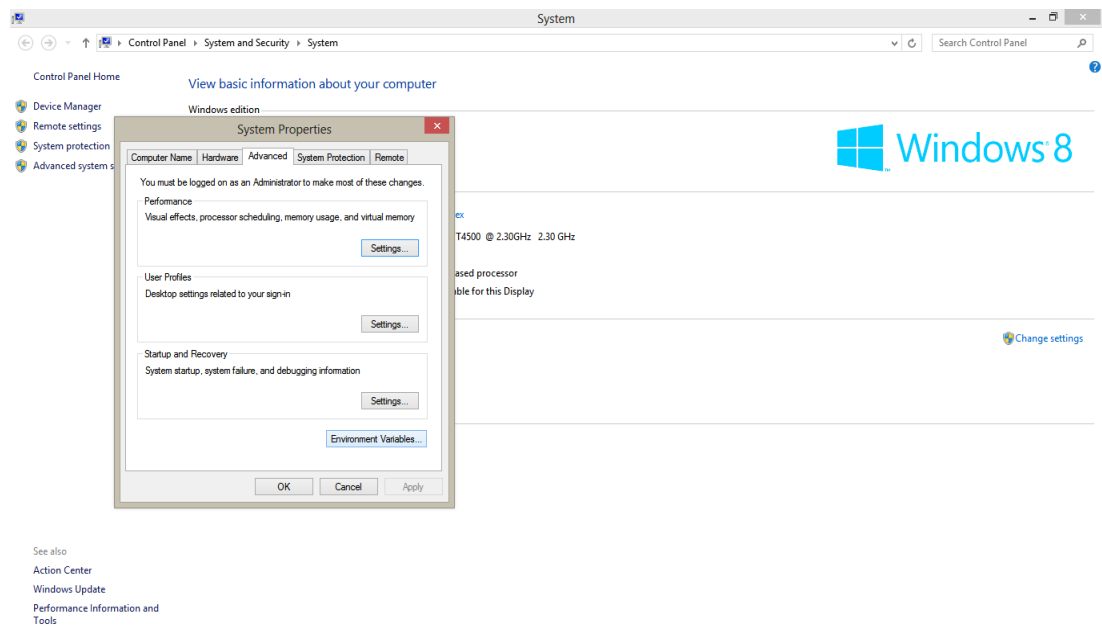
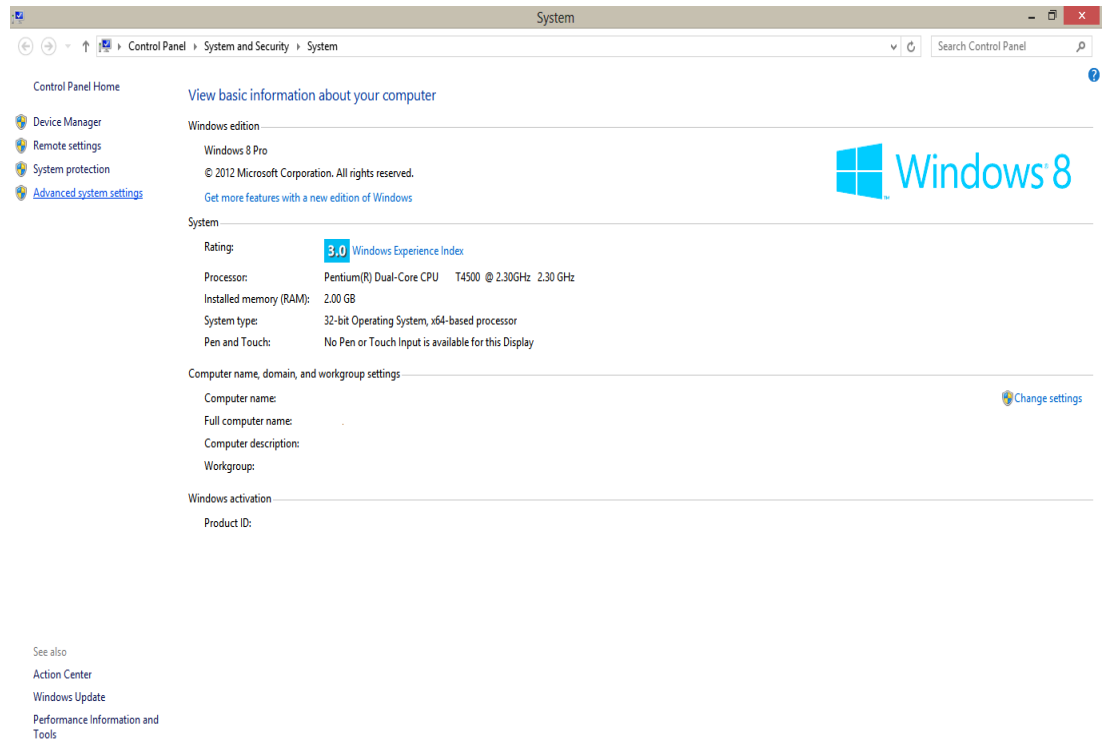
Yuvaraj Gunasekaran

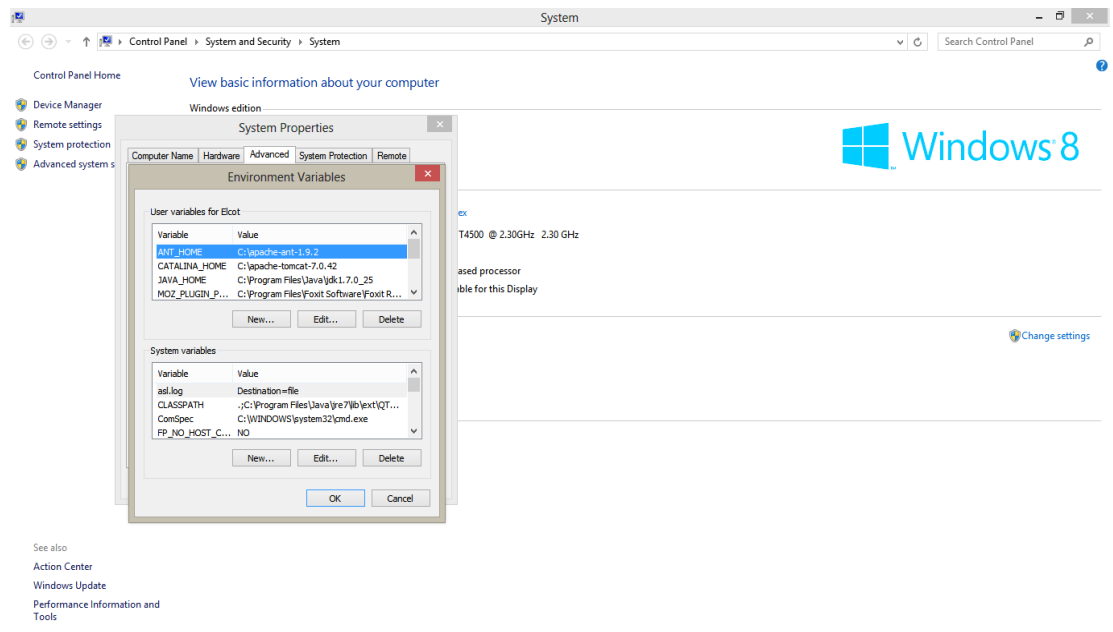
More information can be found from Christian's document:

<https://github.com/heckendorfc/plm/blob/development/documentation/internal/usage.pdf>

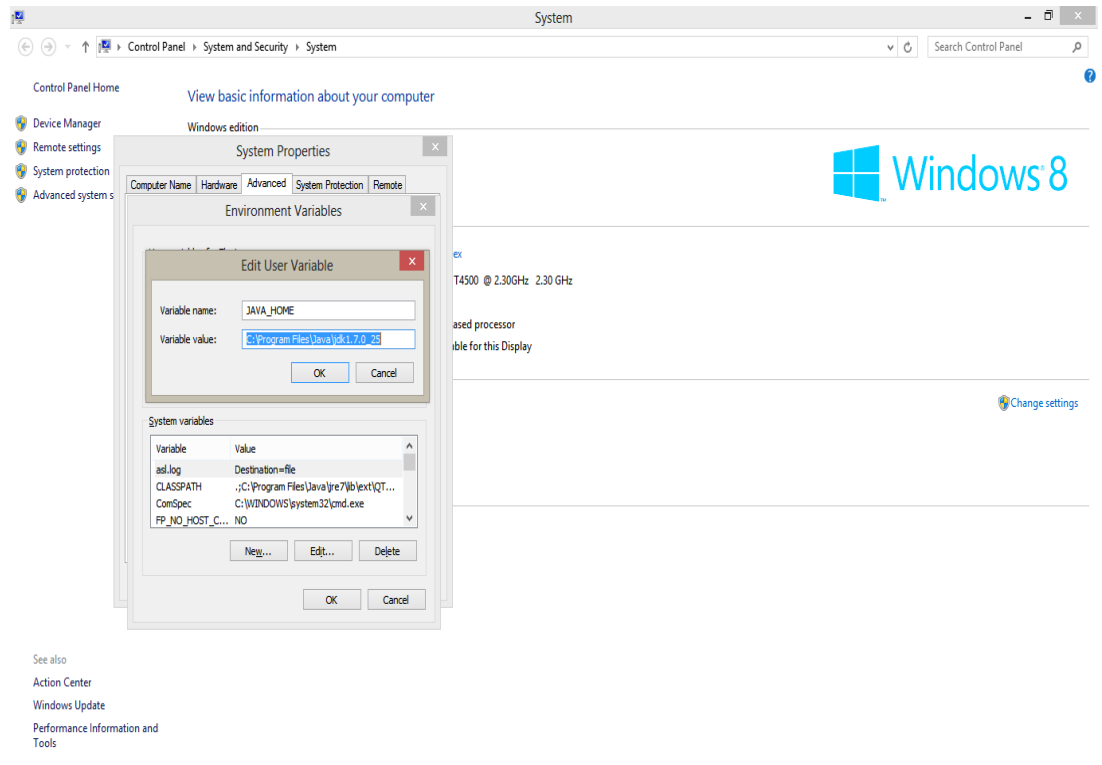
1. Christian's master branch in git has to be cloned in to your system. Use the command
git clone <https://github.com/heckendorfc/plm.git>
2. Download and install java sdk based on your system configuration from
here
<http://www.oracle.com/technetwork/java/javase/downloads/index.html>
3. After installation set the JAVA_HOME environment variable as follows:
 - Goto mycomputer → properties → advanced settings







- Click new and write the path for the java sdk



-
- The screenshot shows the 'System Properties' dialog box in Windows 8, with the 'Environment Variables' tab selected. The dialog is titled 'System Properties' and has tabs for 'Computer Name', 'Hardware', 'Advanced', 'System Protection', and 'Remote'. The 'Advanced' tab is active, showing the 'Environment Variables' section. This section is divided into 'User variables for Elcot' and 'System variables'. In the 'System variables' list, the 'Path' variable is selected. The 'Path' variable's value is 'C:\WINDOWS\system32;C:\WINDOWS;...'. The 'PATHTEXT' variable is also visible with a value of ';COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;...'. The 'OK' button is highlighted.

Apache Tomcat - Apache

tomcat.apache.org/download-70.cgi

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7.0.42

Please see the [README](#) file for packaging information. It explains what every distribution contains.

Binary Distributions

- Core:
 - [zip \(pgp, md5\)](#)
 - [tar.gz \(pgp, md5\)](#)
 - [32-bit Windows zip \(pgp, md5\)](#)
 - [64-bit Windows zip \(pgp, md5\)](#)
 - [64-bit Itanium Windows zip \(pgp, md5\)](#)
 - [32-bit/64-bit Windows Service Installer \(pgp, md5\)](#)
- Full documentation:
 - [tar.gz \(pgp, md5\)](#)
- Deployer:
 - [zip \(pgp, md5\)](#)
 - [tar.gz \(pgp, md5\)](#)
- Extras:
 - [JMX Remote jar \(pgp, md5\)](#)
 - [Web services jar \(pgp, md5\)](#)
 - [JULI adapters jar \(pgp, md5\)](#)
 - [JULI log4j jar \(pgp, md5\)](#)
- Embedded:
 - [tar.gz \(pgp, md5\)](#)
 - [zip \(pgp, md5\)](#)

Source Code Distributions

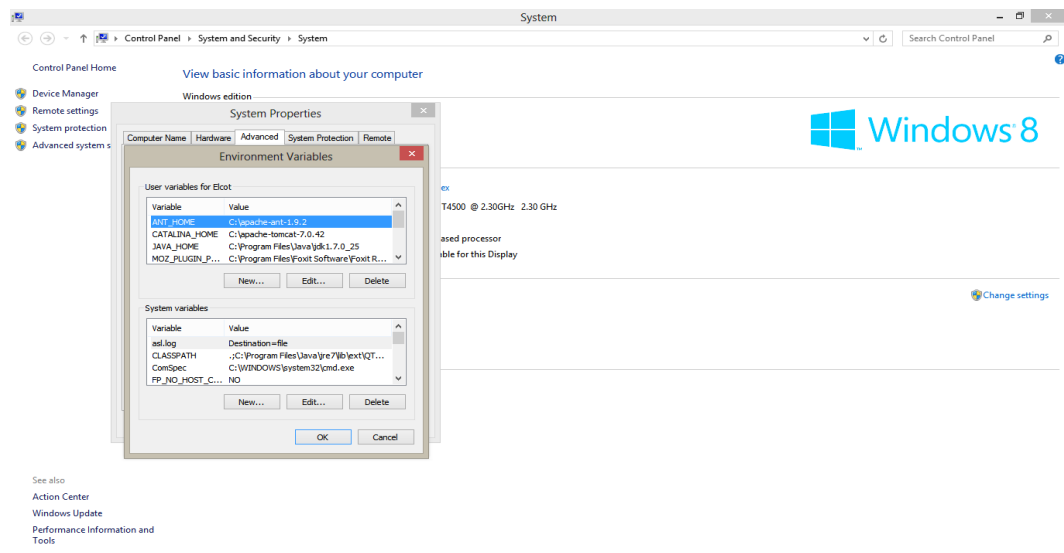
- [tar.gz \(pgp, md5\)](#)
- [zip \(pgp, md5\)](#)

Copyright © 1999–2013, The Apache Software Foundation

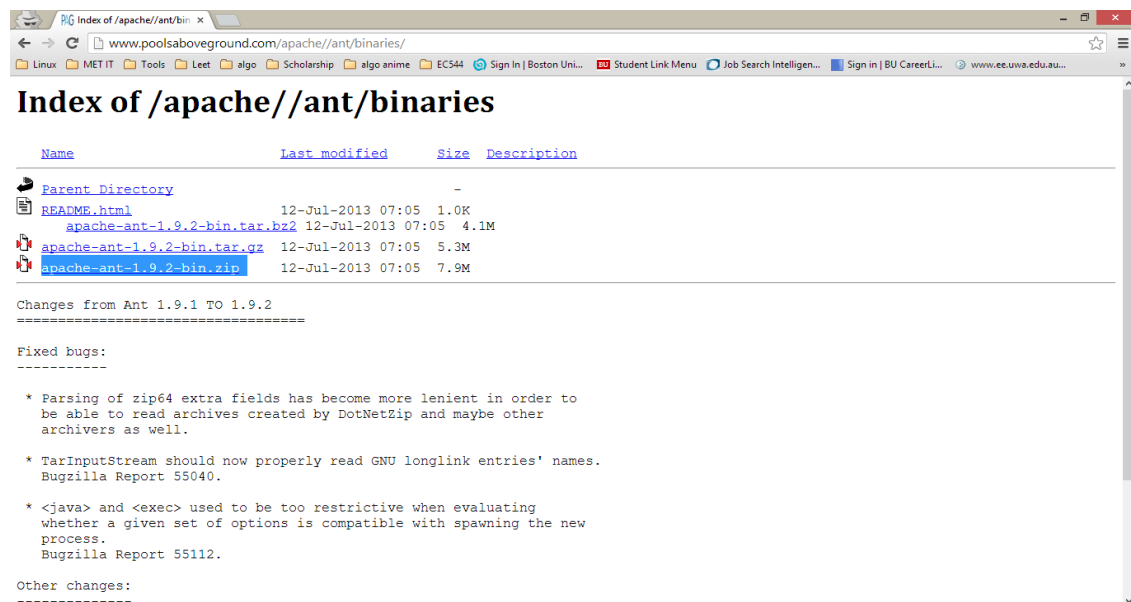
Apache Tomcat, Tomcat, Apache, the Apache feather, and the Apache Tomcat project logo are trademarks of the Apache Software Foundation.

5. Set the user variable for apache tomcat as follows (as above for java).

- Download and unzip apache tomcat into any desired folder of your choice
- Eg: If you have downloaded it into C folder, Paste C:\apache-tomcat-7.0.42 in the user variable in the environment variable like below
- Set the variable name as CATALINA_HOME for apache tomcat

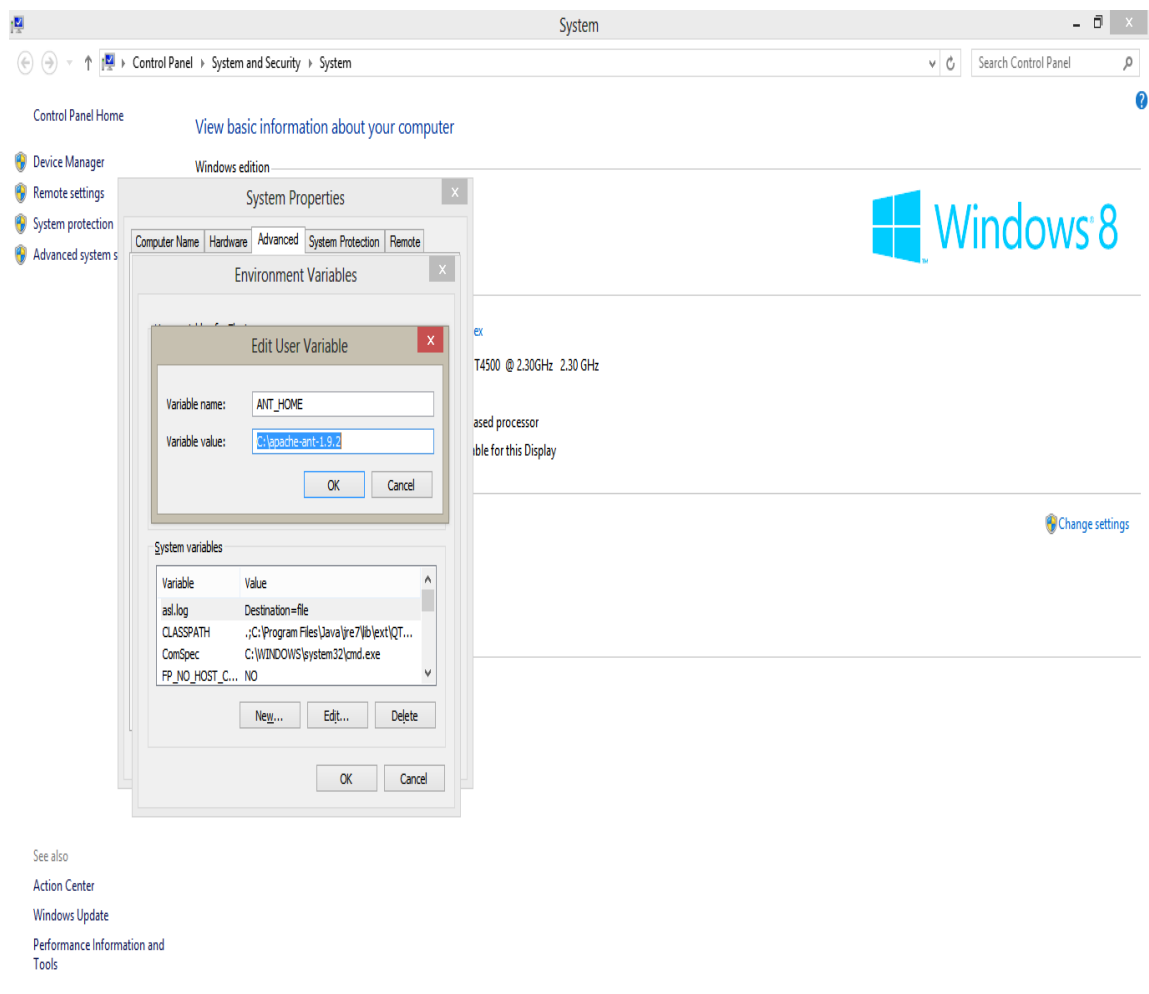


- Append the path C:\apache-tomcat-7.0.42\bin(Here tomcat is in C folder)
- Download [apache-ant-1.9.2-bin.zip](http://www.poolsaboveground.com/apache//ant/binaries/) from <http://www.poolsaboveground.com/apache//ant/binaries/>



6. Set the user variable for apache ant as follows (as above for java and tomcat).

- Download and unzip apache ant into any desired folder of your choice
- Paste C:\apache-ant-1.9.2 in the user variable in the environment variable like below(assuming ant is in C folder)
- Set the variable name as ANT_HOME for apache ant



- Append the path name in path under system variable as follows
C:\apache-ant-1.9.2\bin (assuming ant's bin folder is downloaded to C)

7. Download mysql jdbc from <http://dev.mysql.com/downloads/connector/j/>

MySQL Enterprise Edition

Download Connector/J

MySQL Native Driver for PHP

MySQL on Windows

Contact Sales

USA: +1-866-221-0634
Canada:
+1-866-221-0634

Germany:
+49 89 143 01280

France:
+33 1 57 60 83 57

Italy:
+39 02 249 59 120

UK:

Connector/J 5.1.26

Select Platform:

Microsoft Windows

Windows (x86, 32-bit), MSI Installer 5.1.26 6.1M

(mysql-connector-java-gpl-5.1.26.msi) MD5: 563482060807Eb723792a21eadbbe458 | [Signature](#)

Looking for previous GA versions?

Other Downloads:

Windows (x86, 32-bit), EXE	5.0.8	1.0M	<input type="button" value="Download"/>
(mysql-connector-net-5.0.8.exe)	MD5: f51ed7f5085783123f05edba364d2039 Signature		
Windows (x86, 32-bit), EXE	1.0.10	0.6M	<input type="button" value="Download"/>
(mysql-connector-net-1.0.10.exe)	MD5: a57f4babbf26c0c9e046fd35111227dc Signature		

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Search MySQL

8. download mysql 5 from <http://dev.mysql.com/downloads/mysql/4.1.html>

MySQL Installer 5.6 for Windows

All MySQL Products. For All Windows Platforms. In One Package.

Starting with MySQL 5.6 the MySQL Installer package replaces the server-only MSI packages.

Windows (x86, 64-bit), MySQL Installer MSI

Other Downloads:

Windows (x86, 32-bit), EXE	5.0.8	1.0M	<input type="button" value="Download"/>
(mysql-connector-net-5.0.8.exe)	MD5: f51ed7f5085783123f05edba364d2039 Signature		
Windows (x86, 32-bit), EXE	1.0.10	0.6M	<input type="button" value="Download"/>
(mysql-connector-net-1.0.10.exe)	MD5: a57f4babbf26c0c9e046fd35111227dc Signature		

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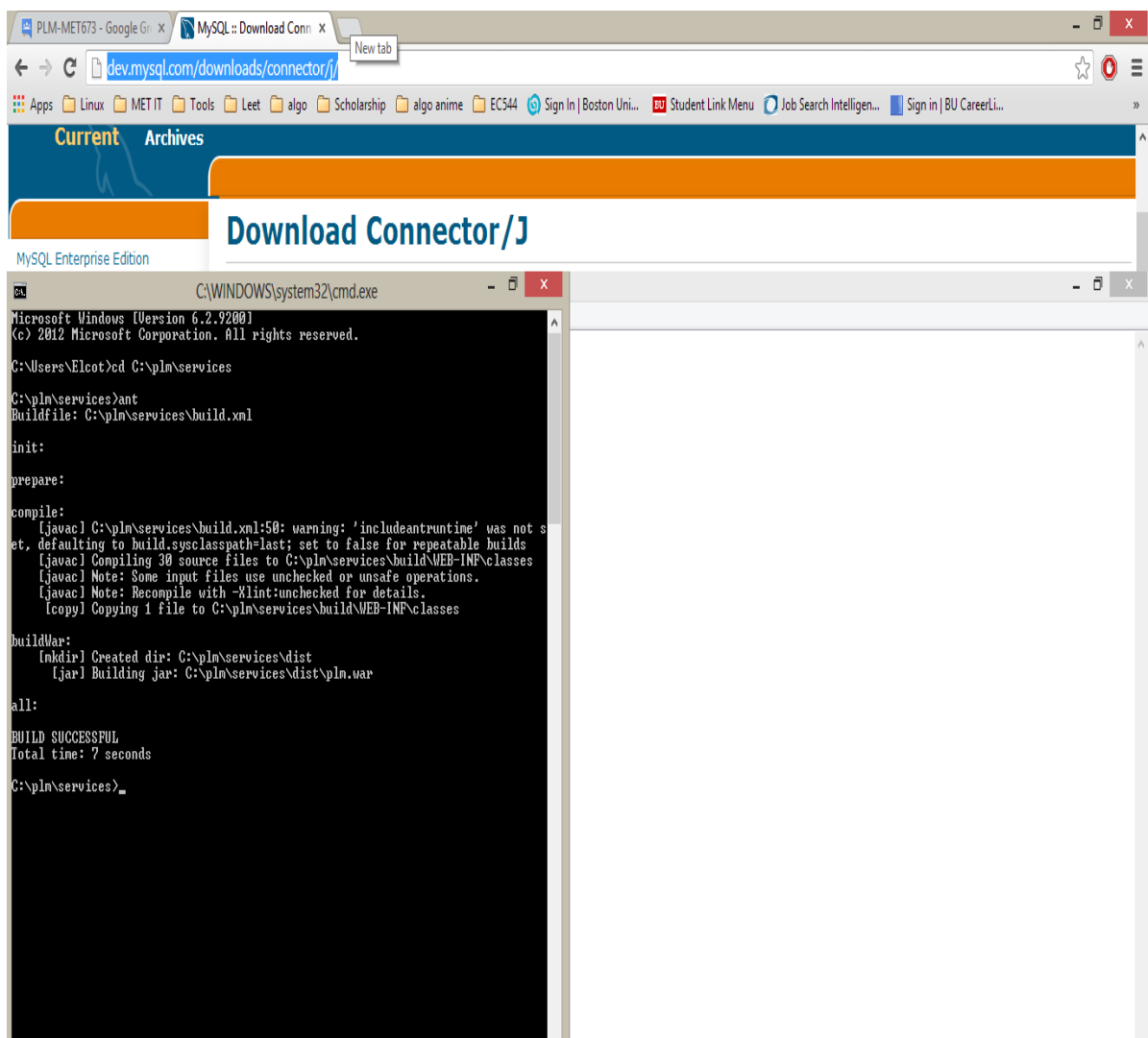
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Search MySQL

9. Open the directory dist under (plm\services\dist) and copy plm.war
10. Paste this plm.war file under webapps folder in apache tomcat(apache-tomcat-7.0.42\webapps)
11. Open cmd in windows and change the directory to the /plm/services and type the following

ant

*****[this should run and give an information build successful as below. If not check the error message it gives and post it in our group so that anyone can help]*****



The screenshot shows a web browser window at the top with the URL dev.mysql.com/downloads/connector/j/. Below the browser is a Windows command prompt window titled "C:\WINDOWS\system32\cmd.exe". The command prompt shows the following sequence of commands and output:

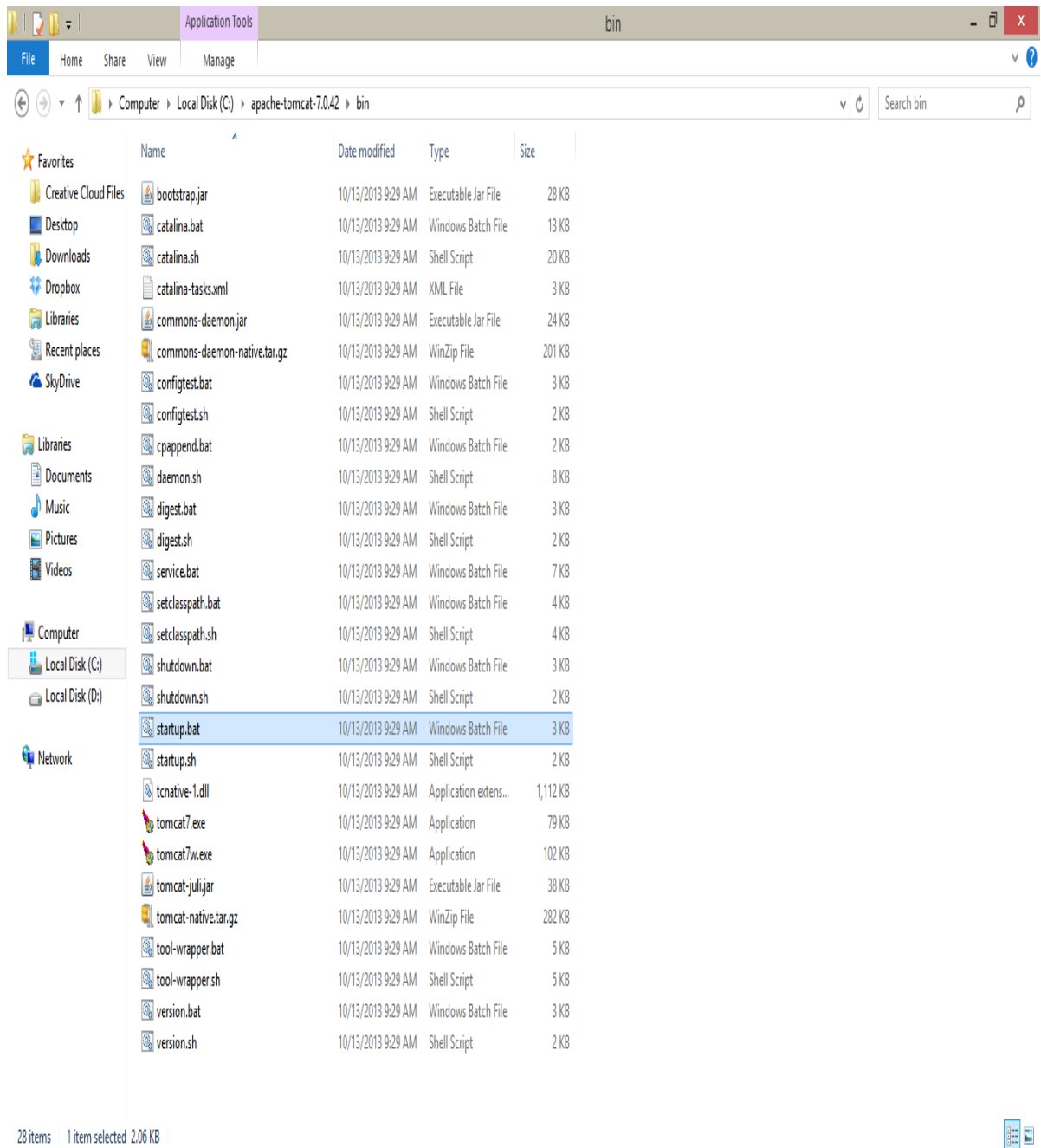
```
C:\Users\Elcot>cd C:\plm\services
C:\plm\services>ant
Buildfile: C:\plm\services\build.xml

init:
prepare:
compile:
[javac] C:\plm\services\build.xml:50: warning: 'includeantruntime' was not s
et, defaulting to build.sysclasspath=last; set to false for repeatable builds
[javac] Compiling 30 source files to C:\plm\services\build\WEB-INF\classes
[javac] Note: Some input files use unchecked or unsafe operations.
[javac] Note: Recompile with -Xlint:unchecked for details.
[copy] Copying 1 file to C:\plm\services\build\WEB-INF\classes
buildVar:
[mkdir] Created dir: C:\plm\services\dist
[jar] Building jar: C:\plm\services\dist\plm.war

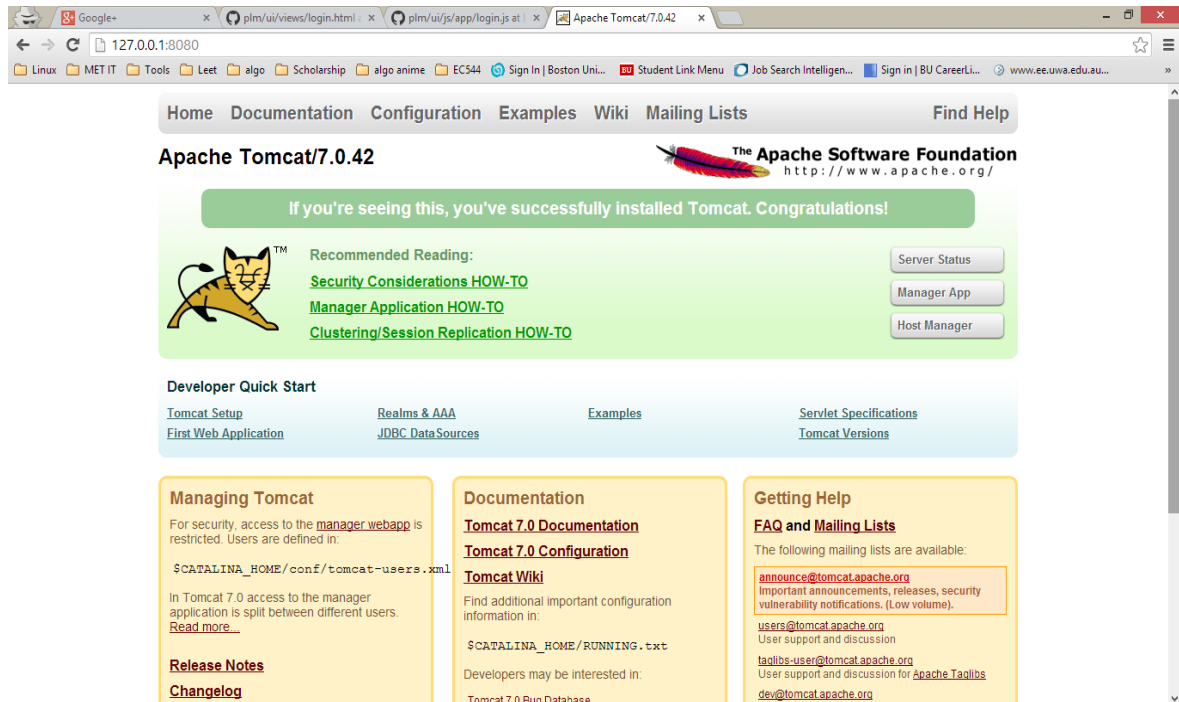
all:

BUILD SUCCESSFUL
Total time: 7 seconds
C:\plm\services>
```

12. Click startup.bat file in apache tomcat's bin folder (apache-tomcat-7.0.42\bin)



13. If all the steps were successful, you should be able to see the apache tomcat server page when you type <http://127.0.0.1:8080> in your browser



14. Then type <http://127.0.0.1:8080/plm/views/login.html> or any other desired html page to check them
15. Happy Integration!!!