

# **WA1739 Oracle WebLogic Server 10.3 Performance Tuning**

## **Classroom Setup Guide**

**Web Age Solutions Inc.**

## Table of Contents

Classroom Requirements.....	3
Part 1 - Minimum Hardware Requirements .....	3
Part 2 - Minimum Software Requirements .....	3
Part 3 - Software Provided.....	4
Part 4 - Important Ghosting or Imaging Information.....	5
Software Installation.....	6
Part 1 - Preparation.....	6
Part 2 - Installing JDK 6 Update 10.....	7

## Classroom Requirements

### Part 1 - Minimum Hardware Requirements

- 1000 MHz Pentium IV
- 1 GB RAM minimum, 2 GB recommended
- 8 GB in the hard disk
- USB port

### Part 2 - Minimum Software Requirements

- Microsoft Windows XP sp2
- Internet Explorer 6.0
- WinZip 8.0 (or higher)
- WebLogic Server v10.3 \*
- MySQL Server 5.0 \* \*
- Jakarta JMeter 2.3.2
- JDK 6

\* - indicates software provided as part of the courseware.

### **Part 3 - Software Provided**

Number of USB memory sticks that you will receive: 1

Name of the files containing in the memory sticks (one file per memory stick):

- **WA1739.ZIP**

All other software listed under Minimum Software Requirements is either commercially licensed software that you must provide or software that is freely available off the Internet.

## **Part 4 - Important Ghosting or Imaging Information**

The software for this course can be ghosted.

## Software Installation

### Part 1 - Preparation

\_\_1. Create a user called **wasadmin** with password **wasadmin** and grant this user administrative access.

\_\_2. Restart the computer and log in as **wasadmin**.

\_\_3. From a USB memory stick, extract the **WA1739.ZIP** file to **C:\**

\_\_4. Review that the following folders were created:

- **C:\jakarta-jmeter-2.3.2**
- **C:\LabFiles**
- **C:\Software\**

\_\_5. Review that the following files were created:

- **C:\Software\jdk-6u10-windows-i586-p.exe**
- **C:\Software\mysql-5.1.31-win32.msi**
- **C:\Software\server103\_win32.exe**

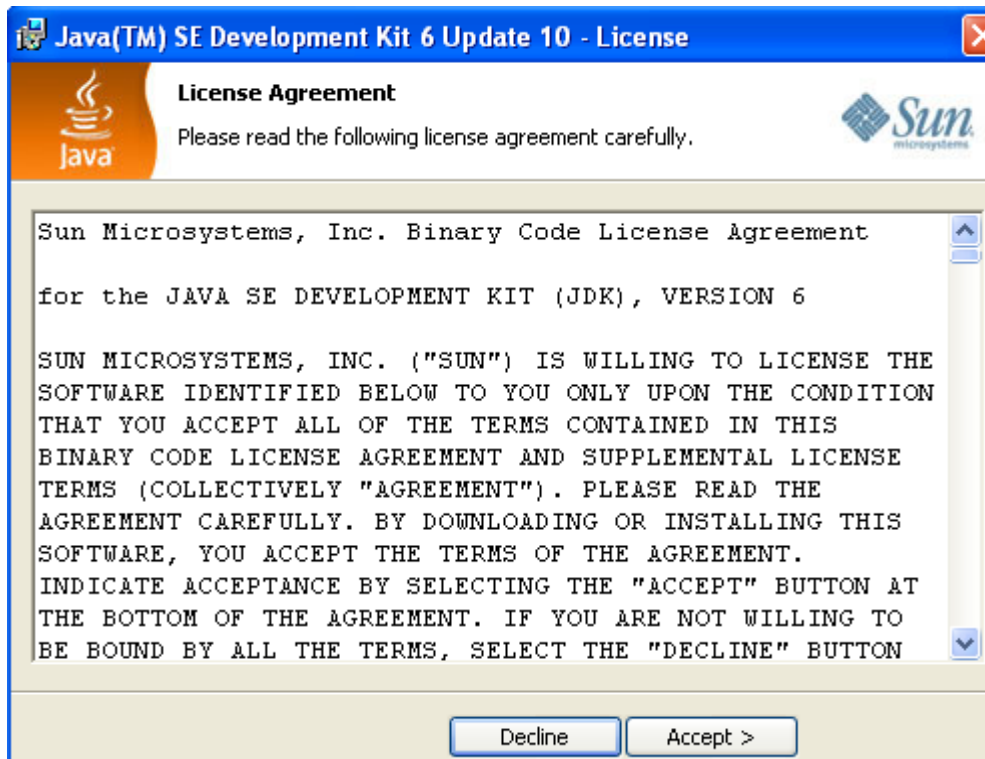
## Part 2 - Installing JDK 6 Update 10

\_\_1. Make sure there is no previous Java version already installed on the system. You can check this by using the Windows “Add/Remove Programs” utility. For the best compatibility with the labs it is suggested that all previous versions of Java be uninstalled before proceeding with these instructions. If this is an issue, please contact the setup support person for the course.

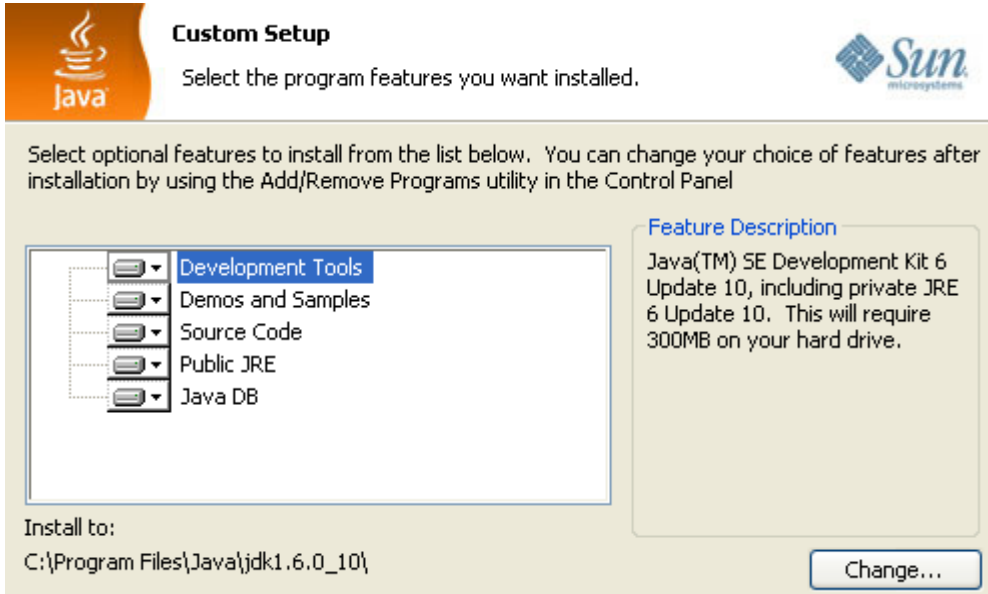
\_\_2. From the **C:\Software** directory run the following file:

**jdk-6u10-windows-i586-p.exe**

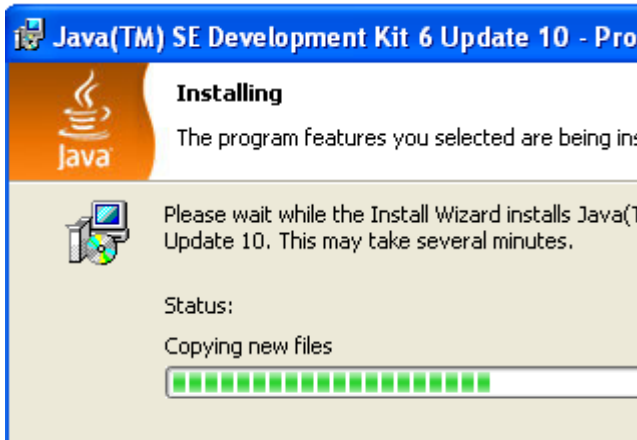
\_\_3. After a few moments the license agreement will appear. Press the **Accept** button to move to the next step.



\_\_4. Leave the defaults for installation location and options, and press the **Next** button.



The installation will begin installing files.



5. The Destination Folder will appear, leave the default folder and click **Next**.



6. Wait until the software is installed.

7. Click **Finish**.



\_\_8. Close any browser that appears asking to register the JDK software.

### ***Set the Environment variables.***

\_\_1. From **Start > Control Panel**, double click on **System**.

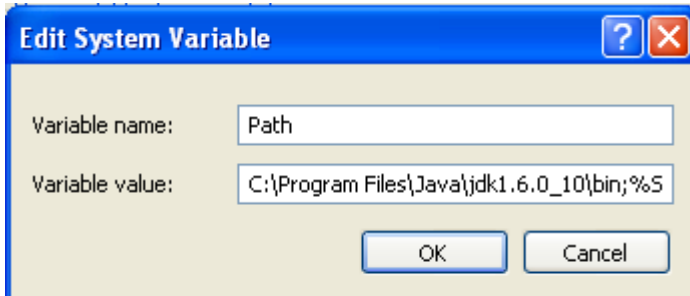
\_\_2. Select the **Advanced** tab.

\_\_3. Click the **Environment Variables** button.

\_\_4. From the *System Variables* list, select **Path** and click **Edit**.

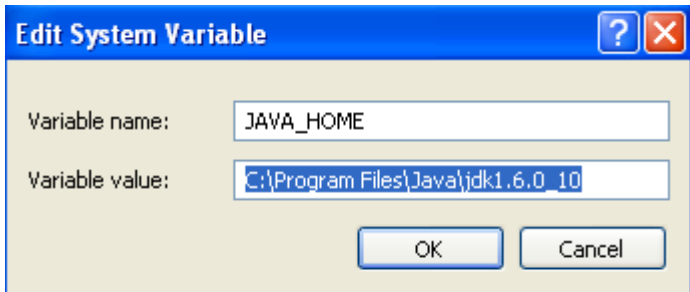
\_\_5. At the beginning of the line enter the following:

**C:\Program Files\Java\jdk1.6.0\_10\bin;**



- \_\_6. Click **OK**.
- \_\_7. Under the System Variables list, click the **New** button.
- \_\_8. Enter **JAVA\_HOME** as Variable name.
- \_\_9. As Variable value enter the following:

**C:\Program Files\Java\jdk1.6.0\_10**



- \_\_10. Click **OK** to create the variable.
- \_\_11. Click **OK** to close the *Environment Variables* window.
- \_\_12. Click **OK** to close the *System Properties* window.
- \_\_13. Restart the computer.

### **Verification of JDK 6 Update 10**

- \_\_14. Open a Windows command prompt. You can do this by selecting '**Start -> Run**', entering '**cmd**', and then pressing the **OK** button.
- \_\_15. Enter the following command:

**java -version**

Make sure you see the response shown below.

```
C:\Documents and Settings\wasadmin>java -version
java version "1.6.0_10"
Java(TM) SE Runtime Environment (build 1.6.0_10-b33)
Java HotSpot(TM) Client VM (build 11.0-b15, mixed mode, sharing)
```

\_\_16. Enter the following command:

**javac**

Verify that you get the options to run the java compiler:

```
C:\Documents and Settings\wasadmin>javac
Usage: javac <options> <source files>
where possible options include:
  -g                Generate all debugging info
  -g:none           Generate no debugging info
  -g:<lines,vars,source> Generate only some debugging info
  -nowarn           Generate no warnings
  -verbose          Output messages about what the compiler is doing
  -deprecation      Output source locations where deprecated APIs are used
  -classpath <path> Specify where to find user class files and annotations processors
  -cp <path>        Specify where to find user class files and annotations processors
  -sourcepath <path> Specify where to find input source files
  -bootclasspath <path> Override location of bootstrap class files
  -extdirs <dirs>   Override location of installed extensions
  -endorseddirs <dirs> Override location of endorsed standards path
```

\_\_17. Close the command prompt window and any extra windows that are open.

JDK 6 Update 10 is installed!

Congratulations. The installation of WA1739 Oracle WebLogic Server 10.3 Performance Tuning has been completed.