

# **WA1742 Architecting SOA Using Open Source Mule Edition**

## **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
Software Installation.....	5
Part 1 - Preparation.....	5
Part 2 - Installing JDK 6 Update 10.....	6
Part 3 - Installing Mule 2.2.1 Related Software.....	8

## Classroom Requirements

### Part 1 - Minimum Hardware Requirements

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

### Part 2 - Minimum Software Requirements

- Windows XP with Service Pack 2 (or higher)
- Internet Explorer 6 (or higher) or Mozilla Firefox 2 (or higher)
- JDK 6 Update 10\*
- Mule 2.2.1\*
- Eclipse 3.4.2 (Ganymede)\*
- Mule IDE\*
- Apache Active MQ 5.2.0\*

\* - 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):

- **WA1742.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.

## Software Installation

### Part 1 - Preparation

\_\_1. From a USB memory stick, extract the **WA1742.ZIP** file to **C:\**

\_\_2. Review that the following folder was created:

•**C:\LabFiles**

•**C:\Software**

\_\_3. Review that the following files were created:

•**C:\Software\jdk-6u10-windows-i586-p.exe**

•**C:\Software\mule2.2.1.zip**

## 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. Run the following file from the 'C:\Software' directory.

**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. Click **Finish**.

\_\_7. Close any browser that appears asking to register the JDK software.

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

\_\_1. Open a Windows command prompt. You can do this by selecting '**Start -> Run**', entering '**cmd**', and then pressing the **OK** button.

\_\_2. 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)
```

\_\_3. Close the command prompt window and any extra windows that are open.

JDK 6 Update 10 is installed!

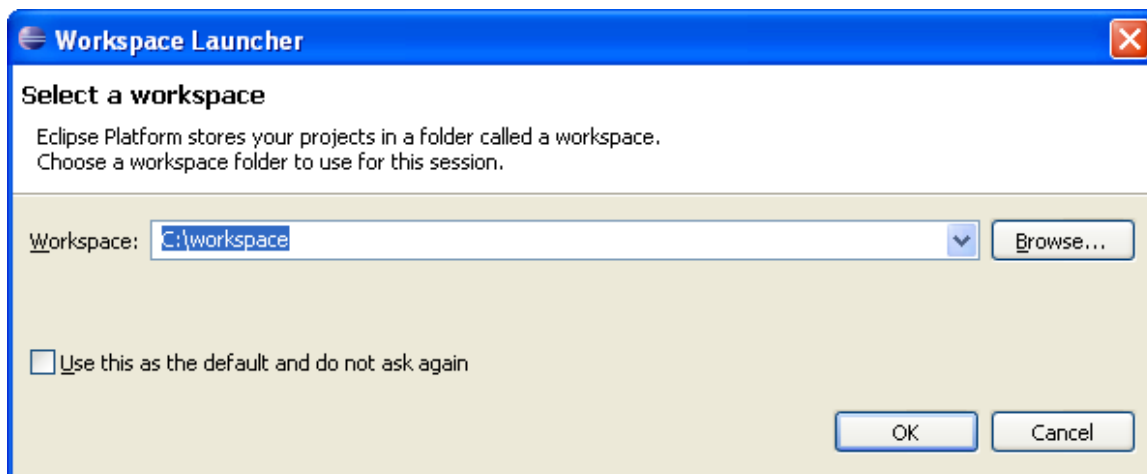
## Part 3 - Installing Mule 2.2.1 Related Software

In this part, you will extract a zip file containing Apache Active MQ 5.2.0, Eclipse 3.4.2 (Ganymede), and Mule 2.2.1. The Eclipse installation includes Mule IDE, which is packaged as a set of plug-ins.

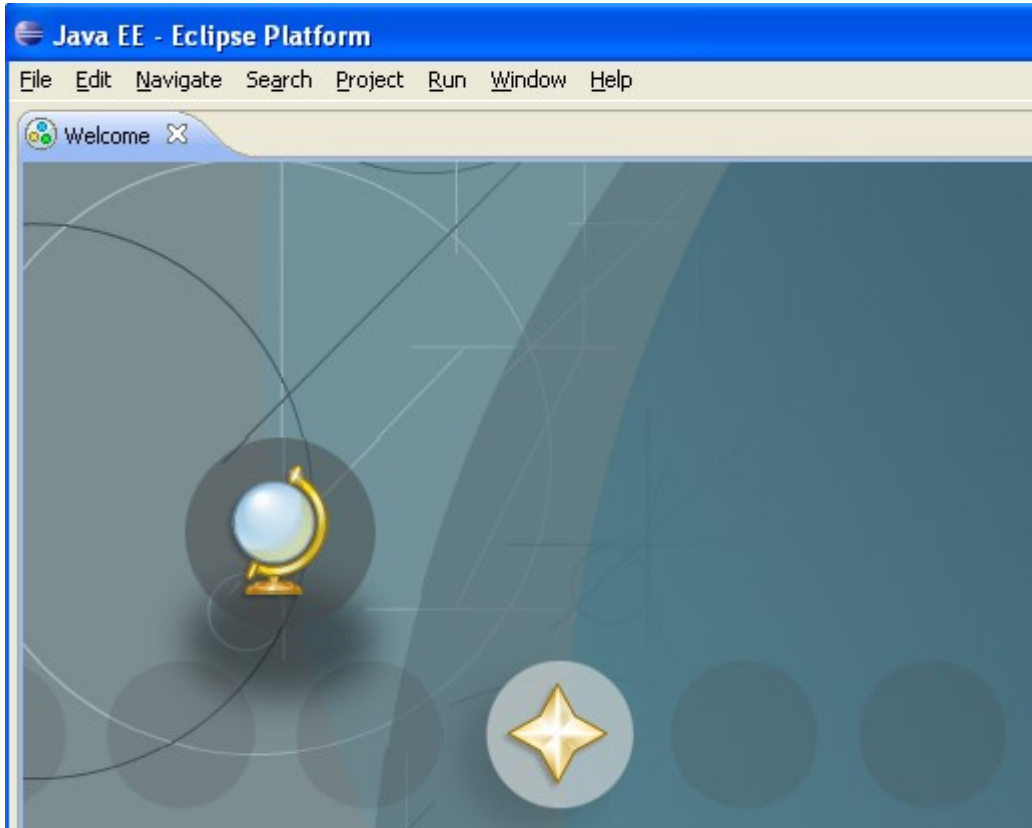
- \_\_1. Extract the **C:\Software\mule2.2.1.zip** file to **C:\**
- \_\_2. Review that the following folders were created:
  - **C:\apache-activemq-5.2.0**
  - **C:\eclipse**
  - **C:\mule-standalone-2.2.1**

### Installation Verification of Mule 2.2.1 Related Software

- \_\_1. Open Windows Explorer and navigate to **C:\eclipse**.
- \_\_2. Open **eclipse.exe**.
- \_\_3. In the *Workspace Launcher*, change the workspace to **C:\workspace** and click **OK**.



Eclipse will start up and the **Welcome** page will be displayed.



\_\_4. Close Eclipse.

Congratulations. The installation of WA1742 Architecting SOA Using Open Source Mule Edition has been completed.