WA1618 Introduction to JavaServer Faces (JSF) 1.2 Using Eclipse

Classroom Setup Guide

Web Age Solutions Inc.

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Classroom Requirements

Part 1 - Minimum Hardware Requirements

- 1 Ghz Pentium IV
- 1 GB RAM
- 8 GB Disk space
- Connection to the Internet. Note, some of the lab exercises may not work without a working Internet connection.
- USB port

Part 2 - Minimum Software Requirements

- Microsoft Windows 2000 SP4 or Windows XP
- Internet Explorer 6.0
- WinZip 8.0 or higher
- JDK 6.0 Update 10*
- Apache Tomcat 6*
- WTP v3.0.3*
- Mojarra*
- * indicates software provided as part of the courseware.

Part 3 - Software Provided

You will receive one USB memory stick containing the following file:

• WA1618.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. From the USB memory stick, extract the WA1618 file to C:\
- 2. Review that the following folders were created:
 - **C:**\apache-tomcat-6.0.18
 - C:\LabFiles
 - C:\mojarra-1.2_10-b01-FCS
 - C:\Software
- ___3. Review that the following files were created:
 - C:\Software\jdk-6u10-windows-i586-p.exe
 - C:\Software\20080923-0620_eclipse-jee-ganymede-SR1-RC3-win32.win32.x86.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. 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.

🔂 Java(TM) SE Development Kit 6 Update 10 - License 🛛 🛛 🔀		
رنگ (jii) Java	License Agreement Please read the following license agreement carefully.	n
Sun Mic: for the	rosystems, Inc. Binary Code License Agreement JAVA SE DEVELOPMENT KIT (JDK), VERSION 6	
SUN MIC SOFTWAR THAT YO BINARY TERMS () AGREEMED SOFTWAR INDICAT THE BOT BE BOUN	ROSYSTEMS, INC. ("SUN") IS WILLING TO LICENSE THE E IDENTIFIED BELOW TO YOU ONLY UPON THE CONDITION U ACCEPT ALL OF THE TERMS CONTAINED IN THIS CODE LICENSE AGREEMENT AND SUPPLEMENTAL LICENSE COLLECTIVELY "AGREEMENT"). PLEASE READ THE NT CAREFULLY. BY DOWNLOADING OR INSTALLING THIS E, YOU ACCEPT THE TERMS OF THE AGREEMENT. E ACCEPTANCE BY SELECTING THE "ACCEPT" BUTTON AT FOM OF THE AGREEMENT. IF YOU ARE NOT WILLING TO D BY ALL THE TERMS, SELECT THE "DECLINE" BUTTON	~
	Decline Accept >	

4. Leave the defaults for installation location and options, and press the Next button.



The installation will begin installing files.

📸 Java(TM) SE Development Kit 6 Update 10 - Pro		
(i) Java	Installing The program features you selected are being in:	
13	Please wait while the Install Wizard installs Java(1 Update 10. This may take several minutes.	
	Status:	
	Copying new files	

____5. The Destination Folder will appear, leave the default folder and click Next.



- ____6. Wait until the software is installed.
- ____7. Click Finish.

🔀 Java(TM) SE Development K	it 6 Update 10 - Complete 🛛 🔀
,	Java(TM) SE Development Kit 6 Update 10 Successfully Installed
L.	Product Registration is FREE and includes many benefits: * Notification of new versions, patches, and updates * Special offers on Sun products, services and training * Access to early releases and documentation
Java	When you click Finish, product and system data will be collected and the JDK product registration form will be presented. If you do not register, none of this information will be saved.
	For more information on what data Registration collects and how it is managed and used, see the Product Registration Information Page.
Sun	Product Registration Information
Finish	

___8. Close any browser that appears asking to register the JDK software.

Set the Environment variables.

- ___9. From **Start > Control Panel**, double click on **System**.
- __10. Select the **Advanced** tab.
- __11. Click the **Environment Variables** button.
- ___12. From the *System Variables* list, select **Path** and click **Edit**.
- ___13. At the beginning of the line enter the following:

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

Edit System Varia	ble 🛛 🛛 🔀
Variable name:	Path
Variable value:	C:\Program Files\Java\jdk1.6.0_10\bin;%5
	OK Cancel

____14. Click **OK**.

- _____15. Under the System Variables list, click the New button.
- ___16. Enter **JAVA_HOME** as Variable name.
- ____17. As Variable value enter the following:

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

Edit System Varia	ble 🛛 🛛 🔀
Variable name:	JAVA_HOME
Variable value:	C:\Program Files\Java\jdk1.6.0_10
	OK Cancel

- _____18. Click **OK** to create the variable.
- ____19. Click **OK** to close the *Environment Variables* window.
- ____20. Click **OK** to close the *System Properties* window.
- ____21. Restart the computer.

Verification of JDK 6 Update 10

___22. Open a Windows command prompt. You can do this by selecting 'Start -> Run', entering 'cmd', and then pressing the OK button.

23. 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)

24. Enter the following command:

javac

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

C:\Documents and Settings\u	vasadmin≻iauac
Usage: javac (ontions) (sou	rce files>
where possible options incl	Lude:
-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 u
sed	
-classpath <path></path>	Specify where to find user class files and annotation
on processors	
-cp <path></path>	Specify where to find user class files and annotation
on processors	
-sourcepath <path></path>	Specify where to find input source files
-bootclasspath <path></path>	Override location of bootstrap class files
-extdirs <dirs></dirs>	Override location of installed extensions
-endorseddirs <dirs></dirs>	Override location of endorsed standards path

____25. Close the command prompt window and any extra windows that are open.

JDK 6 Update 10 is installed!

Part 3 - Verification of Apache Tomcat 6

- ___1. Open a command prompt window.
- ____2. Change to the following directory:

C:\apache-tomcat-6.0.18\bin

3. Run the command:

startup.bat

4. Apache will start.

🚣 Tomcat

Dec 23, 2008 11:34:15 PM org.apache.catalina.core.AprLifecycleListen INFO: The APR based Apache Tomcat Native library which allows optima e in production environments was not found on the java.library.path: Files\Java\jdk1.6.0_10\bin;.;C:\WINNT\Sun\Java\bin;C:\WINNT\system32 \Program Files\Java\jdk1.6.0_10\bin;C:\WINNT\system32;C:\WINNT\system32 Qrogram Files\Java\jdk1.6.0_10\bin;C:\WINNT\system32;C:\WINNT\system32 Program Files\Java\jdk1.6.0_10\bin;C:\WINNT\system32;C:\WINNT\system32 Dec 23, 2008 11:34:15 PM org.apache.catalina.core.StandardService st INFO: JK: ajp13 listening on /0.0.0.0.0.08009 Dec 23, 2008 11:34:16 PM org.apache.jk.server.JkMain start INFO: Jk running ID=0 time=0/31 config=null Dec 23, 2008 11:34:16 PM org.apache.catalina.startup.Catalina start INFO: Server startup in 1462 ms

_5. Open another command prompt window.

6. Change to the following directory:

C:\apache-tomcat-6.0.18\bin

____7. Run the command:

shutdown.bat

- ____8. Apache will stop.
- __9. Close All command prompts.

Part 4 - Installation of Eclipse JEE Ganymede 3.0.3

__1. From C:\Software extract

20080923-0620_eclipse-jee-ganymede-SR1-RC3-win32.win32.x86.zip

directly under C:\

The c:\eclipse folder will be created.

___2. Run c:\eclipse\eclipse.exe

Eclipse Ganymede 3.0.3 will start.



___3. A Workspace Launcher dialog will appear. Change the workspace directory to:

c:\eclipse\workspace



____4. Click **OK**.

Eclipse will open showing the Welcome page.



- ____5. Close the *Eclipse welcome* page by clicking the X at top left.
- ____6. From the menu, select **File > Exit** to close Eclipse.

Eclipse Ganymede 3.0.3 is working fine.

Congratulations. The installation of WA1618 Introduction to JavaServer Faces (JSF) 1.2 Using Eclipse has been completed.