IBM WebSphere® Process Server V6.0 – Lab Exercise

WebSphere Process Server V6 Installation

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What this exercise is about

This exercise is about showing you a visual step-through of how to install the WebSphere Process Server V6 on Windows $^{\circ}$.

Lab Requirements

List of system and software required for the student to complete the lab.

- Hardware Requirements
 - Pentium[®] III 800 MHz processor minimum (higher is recommended)
 - o 512 MB RAM minimum (1 GB RAM is recommended)
 - Minimum 990 MB free disk space for installation (includes SDK)
 - TEMP directory must have at least 1 GB free

What you should be able to do

At the end of this lab you should be able to:

• Install WebSphere Process Server V6.0

Introduction

The WebSphere Process Server V6 is built upon the WebSphere Application Server v6 Network Deployment version. Therefore, the installation of WebSphere Process Server is very similar to WebSphere Application Server installation. However, since WebSphere Process Server adds to the WebSphere Application Server Network Deployment installation, WebSphere Process Server has a larger footprint on the hard-drive.

Exercise Instructions

Some instructions in this lab may be Windows operating-system specific. If you plan on running the lab on an operating-system other than Windows, you will need to run the appropriate commands, and use appropriate files (.sh vs..bat) for your operating system. The directory locations are specified in the lab instructions using symbolic references, as follows:

Reference Variable	Windows Location	AIX [®] or UNIX [®] Location
<wps_home></wps_home>	C:\WebSphere\ProcServer	
<lab_files></lab_files>	C:\Labfiles60	
<temp></temp>	C:\temp	

Windows users note: When directory locations are passed as parameters to a Java[™] program such as EJBdeploy or wsadmin, it is necessary to replace the backslashes with forward slashes to follow the Java convention. For example, C:\LabFiles60\ would be replaced by C:/LabFiles60/

Part 1: Install WebSphere Process Server V6

- ____1. Prepare for install
 - ____a. Unzip the **wbi.cd.6000.windows.ia32.zip** file onto the target system in a <TEMP> directory.
 - ____b. Insert CD and open the CD drive from Windows Explorer or My Computer (example D:/)
 - 2. Run **launchpad.exe** or **launchpad.bat** from the root directory (either in <TEMP> directory or root directory of CD drive)
 - __3. Select the first option, Launch the Installation Wizard for WebSphere Process Server for Multiplatforms

WebSphere. Process Server	
Welcome	WebSphere Process Server for Multiplatforms 6.0
WebSphere Process Server for Multiplatforms Installation	IBM WebSphere Process Server for Multiplatforms 6.0 is an integrated platform that co WebSphere Process Server, Web development tools, a Web server, and additional su and documentation. This launchpad serves as a single point of reference for installing Process Server environment.
IBM HTTP Server Installation	
Web Server Plug-ins Installation	To begin, select an entry from the list below. If you would like help documentation an these concepts before initializing a wizard interface, select from the list to the left.
Application Clients Installation	Launch the Installation Wizard for WebSphere Process Server for Multiplatforms
Application Server Toolkit Installation	🔊 Launch the Installation Wizard for IBM HTTP Server

_____4. In the Welcome window, click **Next** to continue

BM WebSphere Proc	ess Server for Multiplatforms 6.0 Installation Wizard	
74	Welcome to the Installation Wizard for IBM WebSphere Process Multiplatforms 6.0	Server for
	The Installation Wizard will install IBM WebSphere Process Server for Multiplatforms 6.0 on your computer. To continue, click Next . IBM WebSphere Process Server for Multiplatforms 6.0 IBM Corporation bttp://www.ibm.com	or
InstallShield	< <u>B</u> ack <u>N</u> ext >	<u>C</u> ancel

5. In the License agreement window, select the radio button next to **I accept the terms in the license** agreement and click **Next** to continue

The	Software License Agreement
	Please read the following license agreement carefully.
	International License Agreement for Early Release of Programs
	Part 1 - General Terms
	BY DOWNLOADING, INSTALLING, COPYING, ACCESSING, OR USING THE PROGRAM YOU AGREE TO THE TERMS OF THIS AGREEMENT. IF YOU ARE ACCEPTING THESE TERMS ON BEHALF OF ANOTHER PERSON OR A COMPANY OR OTHER LEGAL ENTITY, YOU REPRESENT AND WARRANT THAT YOU HAVE FULL AUTHORITY TO BIND THAT PERSON, COMPANY, OR LEGAL ENTITY TO THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS,
	- DO NOT DOWNLOAD, INSTALL, COPY, ACCESS, OR USE THE PROGRAM; AND
B	accept the terms in the license agreement o I do not accept the terms in the license agreement
InstallShield	

6. In the next window a system prerequisite check is performed. If successful, click **Next** to continue. If not, read the error message displayed about which prerequisite is not being fulfilled and fix (that is, need more memory, more hard-drive space, administrator rights for WebSphere Process Server installation)

IBM WebSphere Proc	ess Server for Multiplatforms 6.0 Installation Wizard	
The South Faile	System prerequisites check	
	The Installation Wizard checks your system to determine whether a operating system is running and whether the operating system ha service packs and patches. After checking prerequisites, the Instal checks for existing WebSphere Application Server and WebSphere products.	a supported s the appropriate lation Wizard 9 Process Server
	Your system completed the prerequisites check successfully.	
InstallShield		
	< Back Next >	<u>C</u> ancel

7. If you already have an existing installation of WebSphere Application Server, then you would see the following screen where you would have a choice of either installing a new copy of WebSphere Application server or you can choose to install the features on your existing installation. The default is recommended, to "**Install a new copy of WebSphere Process Server 6.0**".

IBM WebSphere Proc	ess Server for Multiplatforms 6.0 Installation Wizard
The Designation	Detected WebSphere Process Server 6.0
	The Installation Wizard detected an existing installation of WebSphere Process Server 6.0 on your computer. You can install a new copy, add features to an existing copy, or launch the Profile Wizard.
	Solution Server 6.0 ■ Serve
	O Add features to an existing copy of WebSphere Process Server 6.0
	C Launch the Profile Wizard for an existing copy of WebSphere Process Server 6.0
InstallShield	
	<u>Back</u>

**Note: you may receive the dialogue window below if you have a same version of WebSphere Application Server or WebSphere Process Server on the machine you are installing WebSphere Process Server on...

BM WebSphere Proce	ess Server for Multiplatforms 6.0 Installation Wizard
The local sector	An existing WebSphere Process Server product is detected
1	The port values for each product must be unique to run both products at the same time. Overlapping port assignments cause you to run only one product at a time to avoid port conflicts.
	If the existing product is an earlier version, consider the following WebSphere Process Server 6.0 guidelines if you plan to migrate the existing applications and configuration to version 6.0 with the WebSphere Process Server Migration Wizard:
	 Use the same port values in case of conflicts. If you plan to migrate, you do not have to change port assignments.
	 Use the same cell name for a deployment manager node.
Install ^{Chiefel}	
mstanoment	< Back Next > Cancel

Click **Next** through these screens. You will need to change ports and default install location in order to have 2 WebSphere Process Servers installed to one machine (ex: As in the case of WebSphere Integration Developer installed which installs a full version of WebSphere Process Server as a test environment).

8. In the next window, provide the location where you want to install the WebSphere Process Server. Click **Next** to continue

7	Installation root directory for IBM WebSphere Process Server for 6.0	Multiplatforms
	IBM WebSphere Process Server for Multiplatforms 6.0 will be instal specified directory. You can specify a different directory or click Brox directory.	led to the vse to select a
	Installation root directory:	
	C:\Program Files\IBMWVebSphere\ProcServer	
		Browse
nstallShield	< Back Next >	Cancel

*Note: It is highly recommended to install in a location that does not have spaces in the path and is very short. For instance, you could install to the location C:/WebSphere/ProcServer or C:/WPS60.

- 9. The next window lets you choose the type of installation. Complete Installation is the default.
 - ____a. If you choose **Complete installation**, Sample Applications Gallery are Public API JavaDoc are installed. The complete installation also installs a default profile (named default).
 - ____ b. If you choose Custom installation, Sample Applications Gallery are Public API JavaDoc are options, along with two deprecated technologies, Business Rule Beans (replaced by RuleSets and Decision Tables) and Extended Messaging.

Running the Custom Installation does not set up a default profile for you, but ends with an option to run the profile wizard in order to create your own WebSphere Process Server profile (Deployment Manager Profile, Custom Profile, or Stand-alone WebSphere Process Server Profile). The profile wizard allows you to set options like profile name, profile location, domain and hostname, ports, along with Process Server information like Service Component Architecture (SCA), Common Event Infrastructure (CEI), Business Choreographer, Application Scheduler, and Databases.

Leave the radio button on **Complete Installation** and click **Next** to continue.

	Choose the type of installation that best suits your needs. Complete in installs and automatically configures all components needed to run W Process Server. Custom installation allows you to select which produ- install and configure. O Complete installationi Everything needed to start running your WebSphere Proces- installed. See the installation information for descriptions of configuration settings used during a Complete installation. O Custom installation More flexibility provided for component installation, with the launch the Profile Wizard. See the installation information for descriptions of the product features you can install and configured.	nstallation /ebSphere ct features to s Server is f the default option to ir figure.
InstallShield	< <u>B</u> ack <u>N</u> ext >	<u>C</u> ancel

10. The next window summarizes the features being installed and the location of install. Click Next to start the install.

BM WebSphere Proc	ess Server for Multiplatforms 6.0 Installation Wizard	X
The local data	Installation summary for IBM WebSphere Process Server for Multiplatforms 6.0	
	Review the summary for correctness. Click Back to change values on previous panels. If the information is correct, click Next to start installing IBM WebSphere Process Server for Multiplatforms 6.0.	
	IBM WebSphere Process Server for Multiplatforms 6.0 will be installed in the following location:	^
	C:\Program Files\IBMWVebSphere\ProcServer1	
	with the following features:	
	Sample Applications Gallery Public API Javadoc(TM)	III
	for a total size:	
	1221.2 MB	
	The profile that you are creating has the following characteristics:	
	Type - Stand-alone WebSphere Process Server profile Location - C:\Program Files\IBM\WebSphere\ProcServer1\profiles\default	
	IRM WebSnhere Annlication Server Network Denloyment Version 6.0 will be	~
InstallShield		
	Sack Next > Cancel	

**Note: This will take some time to install all the pieces. Remember that the WebSphere Process Server is WebSphere Application Server - Network Deployment version with more plug-ins on top.

_____11. Click **Finish** when the installation is completed.

A WebSphere Process Server will now be available to be started under **Start > Programs > IBM WebSphere > Process Server v6.0**. A **default profile** was created during install, so you may want to run the Profile Creation Wizard from the above mentioned program location to create a new profile.

The First Steps console lets you run an installation verification test, launch the Profile Wizard, start and stop your server, or link to other information and features related to your WebSphere Process Server
Click Finish to exit the wizard.

Troubleshooting

If you encounter installation problems there are a few things to look out for:

- If you have had a previous version of WebSphere Process Server installed on the system (for example, from the Tech Preview), check for the following:
 - There is a folder that is created during the installation of WebSphere Process Server that sometimes can be the source of installation problems, particularly if there was a previous version of WebSphere Process Server on the system. Try deleting that previous installation folder before installing WebSphere Integration Developer.
 - If you have had a previous installation of WebSphere Integration Developer V6.0 you
 may need to clean up the vpd.properties file under the Windows directory (C:\WINNT
 or C:\WINDOWS). Removing all of the lines with the prefix "wid_" should be sufficient.
- If problems occur, go to <install_root_directory>/logs/logs.txt to see the trace log of installation errors.

What you did in this exercise

This exercise demonstrated how to install WebSphere Integration Developer V6.0.