

Appendix H: IBM WebSphere Advanced Edition Installation Checklist

| Installing WebSphere V3.0.2 | | | | | |
|-----------------------------|-------|-----------|--------|---|--|
| Manual | Pg No | CD | Status | Sections and Sub-Sections | Comments |
| | | | | Preparation for Installation | |
| Release notes | | | | <p>Review the current release notes and documentation.</p> <p>Verify that there is enough disk space on the machine to install WebSphere and store all of the content</p> <p>Create user accounts and groups for WebSphere on the Unix system.</p> <p>Verify that the JDK release level is at 1.1.8 or higher by typing the following at the command prompt: java -fullversion</p> <p>If a remote workstation or xterm is being used, ensure that the DISPLAY variable is set correctly.</p> | <p>Most recent release is 3.0.2 as of 6/27/00</p> <p>WebSphere requires approximately 200meg plus 60-100 meg for db storage</p> <p>Someone with root access will need to perform this task.</p> <p>It should respond with Solaris_JDK_1.1.8_10, if not upgrade the Java Development Kit</p> |
| | | | | Installing the environment | |
| | | | | <i>Install JDK if not already installed</i> | <p>To Install JDK:</p> <ul style="list-style-type: none"> - Place a copy of the 1.1.8_10_sparc_jdk.tar file in a storage directory such as /var/XX_ftp_in where XX is the name of the application, such as ihs. You can get a copy of 1.1.8_10_sparc_jdk.tar from the /export/home/wasadmin/hold/jdk directory on SU35E2 - From the command prompt, execute the following command: tar -xvf 1.1.8_10_sparc_jdk.tar This will untar the file in the current directory and create subdirectories. - Next, install the JDK by typing the following command at the system prompt: pkgadd -d . Note: You must be in the same directory that the tar command was run in - At the menu, hit Enter to install all - When prompted, enter y (for yes) to install over any old existing files or to install with super-user permissions. - When the installation is complete, the menu appears again. Enter q to quit. |
| | | WebSphere | | Use the WebSphere Advanced Edition CD-ROM | cd /cdrom/WebSphere/Sun ./install.sh |
| | | | | Select /opt/system/WebSphere/AppServer for the installation directory | System = dev tst stg |
| | | | | Select "Custom Installation." | |
| | | | | Select Production Server/Core Server, Documentation, Administration, Default Configuration | |
| | | | | For the Security userid, enter root and the root password if you plan to use WebSphere security. | |
| | | | | For the Database userid and password, use the DB2 instance owner userid and password according to DB2 userids table. | |
| | | | | For database name, enter the database name according to the DB2 userids table. | |
| | | | | For the database home, enter the database home directory as /export/home/<DB2 userid> | |
| | | | | Let the installation complete. | |

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| | | | | Configuring WebSphere | |
| | | | | Since WebSphere stores some passwords in plain text, change the protection mode to read/write for owner only (i.e. 600) on the following files: chmod 600 <was_root>/bin/admin.config chmod 600 <was_root>/properties/sas* | |
| | | | | Edit the <was_root>/bin/admin.config file and add/edit the following lines: com.ibm.ejs.sm.adminServer.lsdPort=<Listening Port> com.ibm.ejs.sm.adminServer.bootstrapPort=<Admin Port> Set the Listening Port and Admin port according to the WebSphere ports table. | |
| | | | | Start the application server | cd /opt/system/WebSphere/AppServer/bin ./wasstart & Note: An automated start and stop script was developed at SFA called wasstart and wasstop. These files should be copied into the bin directory. |
| | | | | Completing and Checking WebSphere installation | |
| Getting Started | | | | The WebSphere Application Server install cannot be tested until the WebSphere Plug-in and OSE Remote have been installed and configured. Follow the sections below to install the Plug-in and OSE remote | |
| | | | | Post Installation Steps | |
| | | | | Add the following files and directories to your backup scheme: /<WebSphere install directory> database backup procedures | |
| | | | | WebSphere Patch 3.0.2.1 | |
| | | | | Installing the Patch | |
| | | | | Copy patch set 3.0.2.1 from IBM to selected machine. | Patchset usually arrives as a tar file, so untar the file into a temp directory. |
| | | | | Run patch set installation script. | cd <temp patch dir> ./install.sh product root = /opt/system/WebSphere/AppServer java_home = /usr/java |
| | | | | Allow the install to finish. | The installation script should display the results of the patch set install with 0 errors. |
| | | | | WebSphere E-fix | |
| | | | | Installing the e-fix | |
| | | | | This e-fix is needed for Solaris 2.6 or 2.7 | |
| | | | | Copy e-fix #pq36342 from IBM to selected machine into /tmp directory | Download efixes package from URL http://www6.software.ibm.com/dl/websphere8/priv/wscorsvc-h?S_PKG=dl3_021ww |

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| | | | | The e-fix needs to be extracted directly into the WebSphere directory. | cd /opt/system/WebSphere/AppServer/bin tar -xvf /tmp/efix.tar |
| | | | | Production info | |
| | | | | Aside from an installation login ID, each instance of the DB2 database requires a userid. In this configuration, four userids were used to satisfy the needs of WebSphere and associated software. They were: dbinst1 - configured on su35e9 and su35e13 | |

Notes:

- 1) Root access will be needed for installation and configuration.