

Appendix B: IBM HTTP Server Installation Checklist

Installing IBM HTTP Server (IHS)					
Manual	Pg No	CD	Status	Sections and Sub-Sections	Comments
				IBM HTTP Server Single Instance Install	
				PreInstallation Steps	
readme.txt file		WebSphere AE		Review the current release notes and documentation. Verify that the JDK release level is at 1.1.8 or higher by typing the following at the command prompt: java -fullversion If a remote workstation or xterm is being used, ensure that the DISPLAY variable is set correctly.	IHS is included on the same CDROM as WebSphere Advance edition. Review the readme.txt file on the CD It should respond with Solaris_JDK_1.1.8_10, if not upgrade the Java Development Kit
				Installing IHS	
		WebSphere AE		Follow the installation guide in the readme.txt file	cd /cdrom/WebSphere/Sun ./install.sh
				Select /opt/system/WebSphere/AppServer for the installation directory.	Note: This is needed by the installation program, but is not where the Web server will be located.
				Select "Custom Installation"	
				Select only the "IBM HTTP Server" for components to install.	Accept all defaults IHS will be installed in /opt/IBMHTTP directory
				Configuring IHS	
				Since the single instance install uses default directories (i.e. /opt/IBMHTTPD), the only modification needed is the server name in the httpd.conf file.	1. cd /opt/IBMHTTPD/conf 2. vi httpd.conf 3. Change ServerName reference within httpd.conf file to fully qualified domain name 4. Save changes to httpd.conf.
				Post Installation Steps to test installation	
				To test the IBM HTTP Server try and access a default IBM HTTP Server page through a Web browser. Start the IHS Web server Access the Web server at http://<server name>	cd /opt/IBMHTTPD/bin ./apachectl start A default IBM HTTP Server page should display.
				IBM HTTP Server Multiple Instance Install	
				PreInstallation Steps	
readme.txt file		WebSphere AE		Review the current release notes and documentation. Verify that the JDK release level is at 1.1.8 or higher by typing the following at the command prompt: java -fullversion If a remote workstation or xterm is being used, ensure that the DISPLAY variable is set correctly.	IHS is included on the same CDROM as WebSphere Advance edition. Review the readme.txt file on the CD It should respond with Solaris_JDK_1.1.8_10, if not upgrade the Java Development Kit
				Installing IHS	

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				<p>For multiple instance installations of IBM HTTP Server, the installation program cannot be used since it only installs to the default directory. An indirect method of archiving the default installation and then unarchiving to a different directory, along with configuration changes, was successfully used.</p> <p>Select the correct instance directory</p> <p>Extract the archive of the default install to the instance directory</p>	<pre>cd /opt/system System = dev tst stg blank tar xcf /hold/ibmhttp.tar</pre>
				Configuring IHS	
				<p>Changes are necessary to the httpd.conf and apachectl files.</p> <p>Edit the httpd.conf to reflect the new instance properties</p> <p>Save changes to the httpd.conf file.</p> <p>Edit the apachectl file to reflect the new instance properties.</p> <p>Save changes to the apachectl file.</p> <p>Edit the rc scripts, S99IBMHTTPD and K99IBMHTTPD in /etc/rc2.d, /etc/rc0.d and /etc/rc1.d respectively, to contain startup and shutdown commands for each instance.</p> <p>Save changes to the rc scripts, S99IBMHTTPD and K99IBMHTTPD.</p>	<pre>cd /opt/system/IBMHTTPD/conf vi httpd.conf Change all references in http.conf from /opt/IBMHTTPD to /opt/system/IBMHTTD Change ServerName reference to current hostname. Change port reference to correct port number specified within IBM HTTP Server port table. Comment out any WAS Plug-in information that may already be in the file (these will get restored when the Plug-in gets installed).</pre> <pre>cd /opt/system/IBMHTTPD/bin vi apachectl Change the line starts with "Set HTTPD= ..." to Set HTTPD=/opt/system/IBMHTTPD/bin/httpd -d /opt/system/IBMHTTPD</pre> <p>Add the line /opt/system/IBMHTTPD/bin/apachectl start to the "start" section. Add the line /opt/system/IBMHTTPD/bin/apachectl stop to the "stop" section.</p>
				Post Installation Steps to test installation	
				<p>To test the IBM HTTP Server try and access a default IBM HTTP Server page through a Web browser.</p> <p>Start the IHS Web server</p> <p>Access the Web server at http://<server name>:<port></p>	<pre>cd /opt/system/IBMHTTPD/bin ./apachectl start</pre> <p>A default IBM HTTP Server page should display.</p>
				WebSphere Plug-in	
				PreInstallation Steps	

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				Ensure that IBM HTTP Server is installed on the server.	
				Installing WebSphere Plug-in	
		WebSphere AE		Follow the installation guide in the readme.txt file	cd /cdrom/WebSphere/Sun ./install.sh
				Select /opt/system/WebSphere/AppServer for the installation directory. Select "Custom Installation." Select only the "Production/IBM HTTP Server Plug-in" for components to install. Enter any information in the Security and Database information pane, as it does not matter. Let the installation complete.	
				Configuring WebSphere Plug-in	
				Edit the httpd.conf to add and/or verify updates. These lines will be in different locations within the file:	cd /opt/system/IBMHTTPD/conf vi httpd.conf LoadModule ibm_app_server_module <was_root>/bin/mod_ibm_app_server.so AddModule mod_app_server.c NcfAppServerConfig BootFile was_root>/properties/bootstrap.properties
				WebSphere Patch 3.0.2.1	
				Installing the Plug-in	
				This Patch must be installed on the Web Server Machine with WebSphere Plug-in 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
				The e-fix needs to be extracted directly into the WebSphere directory.	cd /opt/system/WebSphere/AppServer/bin tar -xvf /tmp/efix.tar