Installing a configuration that uses IBM HTTP Web Server and InstantDB on Solaris

The steps that follow describe the easiest way to install a single configuration of WebSphere Application Server that uses--

- Solaris 2.6, 7, or 8
- Sun SDK 1.2.2
- IBM HTTP Web Server 1.3.12
- InstantDB
- A single node

Installations using InstantDB should not be used in production environments and will not be supported if used in that manner. InstantDB is provided solely to help you evaluate WebSphere Application Server. Before installing, check the WebSphere Application Server Supported Hardware, Software, and APIs Web site at http://www.ibm.com/software/webservers/appserv/doc/latest/prereq.html to ensure that you have the correct prerequisites, including operating system patches.

Steps for installation

Installing WebSphere Application Server -- Quick Install option
Testing the installation

Installing WebSphere Application Server -- Quick Install option

To install WebSphere Application Server, do the following:

1. If you have a version of IBM HTTP Web Server previous to Version 1.3.12 installed on your system, uninstall IBM HTTP Web Server. The installation of WebSphere Application Server will install IBM HTTP Web Server version 1.3.12.
2. Log onto your machine with superuser (root) privileges.

   If your system does not grant you root authority even though you are logged on as *root*, ensure /usr/ucb is in the path for the root login. Edit the install.sh file by adding the following line before the call to the whoami command:

   ```
   export PATH = $PATH:/usr/ucb
   ```

3. If a Web server on your system is running, stop the Web server.
4. If you plan to use a Web server or database at a level that exceeds the current version required by WebSphere Application Server, you must disable the WebSphere Prerequisite Checker before installing WebSphere Application Server. To do this, perform the following steps:
   a. Copy the prereq.properties file from the /cdrom/cdrom0/sun directory to the /tmp directory on the machine on which you will install WebSphere Application Server.
   b. Edit this file by finding the line `prereq_checker=1` and changing it to `prereq_checker=0`.
5. If you have not disabled the Prerequisite Checker as detailed in Step 4, run the installation script file by entering the following command:

   ```
   # /cdrom/cdrom0/sun/install.sh
   ```

   If you have disabled the Prerequisite Checker as detailed in Step 4, run the installation script file by entering the following command:

   ```
   # /cdrom/cdrom0/sun/install.sh /prereqfile  /tmp/prereq.properties
   ```

6. Click **Next** to pass the introductory page.
7. On the Install Options dialog, click **Quick Install** and then **Next**.
8. On the Security Information dialog, fill in the user ID, password, and confirming password to use for the application

server and click **Next**.

9. Specify the destination directory. If you do not have IBM HTTP Web Server already installed on your system, then a fixed destination directory (/opt/IBMHTTPD) for IBM HTTP Web Server will be shown. Click **Next**.

10. Click **Next** again and then **OK** to begin the installation.

11. The next page points you to the README. If you select to view the README and a Netscape browser does not open on the README, look in the *<main_Application_Server_directory>*/web/InfoCenter/was directory for the readme.html file. For the most recent version of the README or release notes, go to **Library** section of the product Web site at http://www.ibm.com/software/webservers/appserv/.

12. Click **Finish**.

Testing the installation

1. Start the WebSphere Administrative Server by running the startupServer script in the /opt/WebSphere/AppServer/bin directory as follows:

```
# ./startupServer.sh
```

2. If the server is slow to start or does not start successfully, look at the tracefile log in the /opt/WebSphere/AppServer/logs directory. If the trace file says *server is open for e-business*, the server has started.

3. Start the administrative console by running the adminclient script in the /opt/WebSphere/AppServer/bin directory as follows:

```
# ./adminclient.sh
```

4. Wait until you see the console message *Console Ready*. Then administer the server by doing the following:
   a. When the Administrative Console opens, the **Topology** tree view is displayed. Click the plus sign (+) next to the **WebSphere Administrative Domain** entry to expand the view.
   b. Find your host name and expand the view of that node.
   c. Find the **Default Server** entry and expand the view.
   d. Find the default container and servletEngine entries.
   e. Select **Default Server**. If the **Current State** of the **DefaultServer** parameter is *Stopped*, click the **Start** icon on the tool bar. After an information window opens stating that the server is running, click **OK**. Note that the current state changes from *Stopped* to *Running*.

      After the server starts, the configuration database is automatically updated to ensure that the server is always running. If the server stops, or if you reboot the machine, the administrative server will automatically restart it. Even if the administrative server fails, it will continue to run.

5. Test the server. Ensure that the IBM HTTP Web Server is running. If the IBM HTTP Web Server is not running, start the server by entering the following command in the /opt/IBMHTTPD/bin directory:

```
# ./apachectl start
```

Then, open a browser and go to http://localhost/servlet/snoop, which is a standard sample servlet installed by default. You should see information on /servlet/snoop.