

Quickly installing a configuration that uses IBM HTTP Server and IBM DB2 UDB on Windows

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

- Windows NT 4.0 or Windows 2000
- IBM Developer Kit, Java™ 2 Technology Edition, 1.3.0
- IBM HTTP Server 1.3.19
- DB2 Universal Database (UDB) 7.2
- A single node

See "[Software Prerequisites](#)" to learn what products and fixpacks are supported for your level of WebSphere Application Server.

Steps for installation

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Installing WebSphere Application Server -- Typical Installation option

To install WebSphere Application Server along with the IBM Developer Kit, IBM HTTP Server and DB2 UDB, do the following:

1. Ensure that you will be installing WebSphere Application Server under a local Windows user ID that is in the Administrative group and has the advanced user rights "Act as part of the operating system" and "Log on as a service."
2. If IBM HTTP Server or another Web server on your system is running, stop the Web server.

If you have a level of IBM HTTP Server prior to version 1.3.19 on your system, you must uninstall it for the WebSphere Application Server installation program to install IBM HTTP Server 1.3.19.

3. If you obtained Version 4.0 from the product Web site, run or unpack the downloaded executable. Then, run the `setup.exe` file. If you have the product CD, simply run `\nt\setup.exe`.

You will need 135 MB free in your temp directory (usually on the C drive), even if you are installing on another drive, because the installation shield package unpacks to the temp directory. This will kick off an installation shield package.

4. If the Choose Setup Language dialog is displayed, select a language and click **OK**.
5. Click **Next** to pass the introductory page.
6. If WebSphere Application Server is already installed on your system, a dialog giving you the option to backup and uninstall WebSphere Application Server displays. You now have three options:
 - To backup your files and uninstall WebSphere Application Server, click **Backup and Uninstall** and then **Next** to continue with the installation.
 - To install to a different directory, simply click **Next** and continue with the installation.
 - To migrate your files from a previous release, click **Perform Migration**. [Complete the migration](#), then run the WebSphere installation program again.

If WebSphere Application Server is not already installed on your system, proceed to step 7.

7. On the Installation Options dialog, click **Typical Installation** and then **Next**.
8. On the Security Options dialog, fill in the user ID and password to use for the application server. Do not use the characters < or > for the user ID or password. After you fill in the fields, click **Next**.
9. Specify the destination directory for WebSphere Application Server. If IBM HTTP Server is not installed already, you can also specify the destination directory for that product. If you are installing from the WebSphere CD and DB2 is not installed already, you can also specify the destination directory for DB2. Then, click **Next**.
10. On the Database Options dialog, do the following:
 1. For **Database Type**, select **DB2**. If the Application Server will be using a database that is installed on a machine other than the one onto which you are installing WebSphere Application Server, select the **Remote Database** check box.
 2. For **Database Name**, give the name of the database to use. The default is **was40**.
 3. For **Database User ID**, specify the Username that installed DB2 UDB; or specify a new name and the WebSphere installation program will create a new database user ID for you.
 4. For **Password** and **Confirm Password**, enter your password. If you specified the Username that installed DB2 UDB, ensure that you specify the password specified when installing DB2 UDB. Note that DB2 requires a password of 8 or fewer characters.
 5. For **Path**, specify the path for the database program. This is the SQLLIB directory.
 6. Click **Next**.
11. Select a program folder and click **Next**.
12. Click **Next** again to begin the installation.
13. After the installation completes, check the box to view the README file.

For the most recent version of the README or release notes, go to the **Library** section of the product Web site at <http://www.ibm.com/software/webservers/appserv/>.

14. Click **Finish** and, to complete the installation, restart your computer.

Testing the installation

You can use the First Steps dialog to test the WebSphere installation. Your Web server must be running to use the First Steps dialog. Access the dialog by selecting **Start -> Programs -> IBM Websphere -> Application Server V4.0 -> First Steps**.

Alternatively, you can do the following to test the installation:

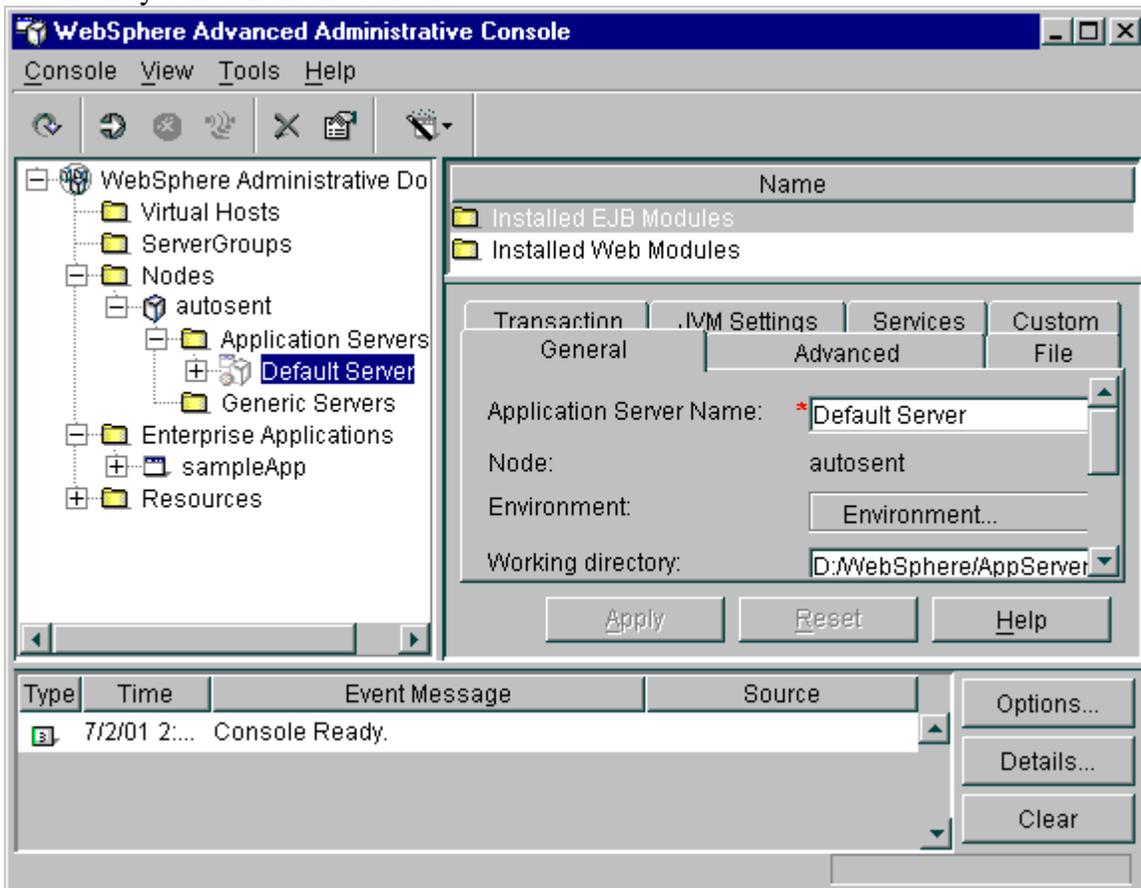
1. Check that WebSphere administrative server has been registered in the Services dialog. Open the Control Panel and select **Services**. If you scroll down you should see **IBM WS AdminServer**.
2. Start the service by selecting **IBM WS AdminServer** and then selecting **Start**.

Wait patiently. If the server is slow to start or does not start successfully, look at the last line in the \WebSphere\AppServer\logs\tracefile log. If the trace file says *server is open for e-business*, the server has started.

Hint: You can control the server from a command line or batch file using the following commands:

```
net start "IBM WS AdminServer"  
net stop "IBM WS AdminServer"
```

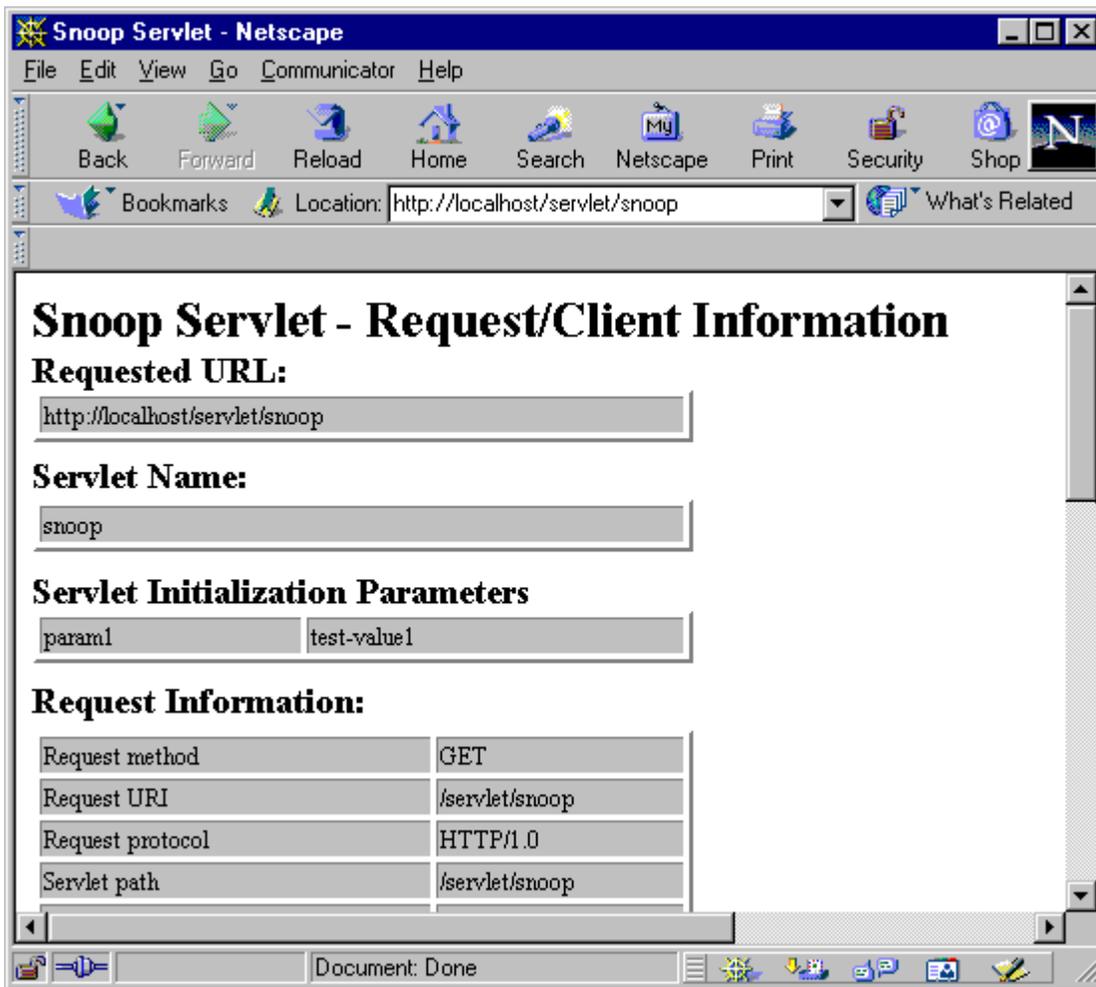
3. To start the server, run the administrative console, which is how you manage WebSphere Application Server 4.0. From the **Start** menu, select **Programs-> IBM WebSphere -> Application Server 4.0 -> Administrator's Console**. This starts the WebSphere Administrative Console.
4. When the Administrative Console opens, the tree view is shown. Click on the + sign next to **WebSphere Administrative Domain** to expand the view. Your host name should be listed in the **Nodes** folder. Expand the view of your host name node and of **Application Servers**, and you should see an entry called **Default Server**.



Right-click on **Default Server** and select **Start**. To ensure that the server is running, right-click on **Default Server** and select **Ping**. After an information dialog displays, stating that the server is running, click **OK**.

Once the server starts, it is marked in the configuration database that it should be running. If it 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 Server is running. (The status for **IBM HTTP Server** in a Services dialog, which is accessible from a Control Panel, shows *Started*.) If the IBM HTTP Server is not running, use the **Start** option in a Services dialog to start the server, or select **Start -> Programs -> IBM HTTP Server -> Start HTTP Server**. 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.



Uninstalling WebSphere Application Server

To uninstall WebSphere Application Server:

1. Run the `uninstwas40.exe` file in the main WebSphere Application Server directory. For example, enter the command `uninstwas40` at a prompt in the main product directory.
2. Select **Yes** when asked if you want to uninstall the product.
3. Select whether you want to back up your product files.
4. After the uninstallation program runs, reboot your system.

Note that, instead of running the `uninstwas40.exe` file, you can uninstall WebSphere Application Server using the Add/Remove Programs option of the Windows Control Panel.

If WebSphere Application Server files do not completely uninstall from your system--for example, there is a power failure or a system crash--then you can do the following to remove the WebSphere Application Server files:

1. Backup any WebSphere development and configuration data that you want saved.
2. Stop any WebSphere services that are running.
3. Delete WebSphere program files. That is, delete the `WAS_HOME` directory.
4. Delete WebSphere registry entries under

```
HKEY_LOCAL_MACHINE\Software\IBM\WebSphere Application Server\4.0
```

5. Delete the Service entry in the registry:

```
SYSTEM\CurrentControlSet\Services\IBM WS AdminServer\Parameters
```

6. Delete the uninstall entry in the registry:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\IBMWebASDei
```

7. Ensure that the environment variable WAS_HOME does not exist. If it does exist, remove it.
8. Ensure that WAS_HOME\bin was not added to the PATH environment variable. If it was added, remove it.
9. Reboot your system.

IBM HTTP Server is not uninstalled by the WebSphere Application Server uninstall program. If you installed IBM HTTP Server as part of the WebSphere Application Server installation, you must run the IBM HTTP Server uninstall program.