IBM® SecureWay® Host Publisher Planning and Installation Guide for Windows NT®, AIX®, and Solaris®

Version 2

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Note

Before using this information and the product it supports, be sure to read the general information under "Appendix A. Notices" on page 9.

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Planning and Installing Host Publisher

As with any software, some planning is necessary to ensure a successful installation. Use this planning information to help you install the Host Publisher components.

Hardware and software requirements

Host Publisher Studio runs on Windows 95, Windows 98, and Windows NT Version 4. The machine you run the Host Publisher Studio on must have at least a Pentium 166 processor, 128 MB RAM, and 70 MB of free disk space.

Host Publisher Server runs on several platforms. The platforms, and the requirements for each, are listed below.

Hardware requirements

Host Publisher Server

Windows NT 53 MB of disk space (15.8 for IBM WebSphere); 128 MB RAM (256 MB recommended).

AIX 69 MB of disk space (18.6 for IBM WebSphere); 128 MB RAM (256 MB recommended).

Solaris 69 MB of disk space (14.5 for IBM WebSphere); 128 MB RAM (256 MB recommended). We recommend that you allow 512 MB of swap space (256 MB minimum) and room for 512 file descriptors (256 minimum).

Host Publisher Studio

Windows 95, Windows 98, and Windows NT: 70 MB of disk space, 128 MB RAM required.

Software requirements

Host Publisher Server

Windows NT Windows NT Workstation or Server version 4.0, Service Pack 4

Supported Web servers:

- IBM HTTP Server V1.3.3.3 for Windows NT (on Host Publisher Server CD)
- Apache Server 1.3.2 for Windows NT
- Domino V5.0 for Windows NT

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- Lotus Domino Go Webserver V4.6.2.5 for Windows NT
- Microsoft Internet Information Server V3.x and V4.0 for Windows NT
- Netscape Enterprise Server V3.01 and V3.51 for Windows NT (recommend 3.5.1)
- Netscape FastTrack Server V3.01 for Windows NT

AIX

AIX V4.2.1 or V4.3.2

Supported Web servers:

- IBM HTTP Server V1.3.3.3 for AIX (on Host Publisher Server CD)
- Apache Server 1.3.2 for AIX
- Domino V5.0 for AIX
- Lotus Domino Go Webserver V4.6.2.5 for AIX
- Netscape Enterprise Server V3.01 and V3.51 for AIX (recommend 3.5.1)
- Netscape FastTrack Server V3.01 for AIX

Solaris

Sun Solaris V2.6 SPARC, with the Native Threads Package

Supported Web servers:

- IBM HTTP Server V1.3.3.3 for Sun Solaris (on Host Publisher Server CD)
- Apache Server 1.3.2 for Sun Solaris
- Lotus Domino Go Webserver V4.6.2.5 for Sun Solaris
- Netscape Enterprise Server V3.01 and V3.51 for Sun Solaris (recommend 3.5.1)
- Netscape FastTrack Server V3.01 for Sun Solaris

Limitations

Host Publisher Version 2.0 uses IBM WebSphere V2 and IBM SecureWay Host On-Demand V4.0. Refer to documentation on those products to understand any limitation considerations they might have.

Performance considerations

Host Publisher Version 2.0 is a Java product. Performance is a function of the speed of the network, the processing power of the workstation or server, as well as the level of the Java Development Kit (JDK) being used. Host Publisher Version 2.0 ships its own version of the JDK for its use and will periodically update it to newer levels after performing sufficient compatibility and performance tests. If you want to use a newer level of the JDK, we recommend that you first consult IBM Service.

Before installing Host Publisher

Before you begin installing Host Publisher, you must know:

- The directory path into which you will install Host Publisher
- The *alias* you want to use (for Host Publisher Server only)

  The alias is a string that appears in every URL request. It allows the organization of Host Publisher document parts under one directory.
- The number of page requests per minute for which you are authorized

Installing Host Publisher Server

Installation of the Host Publisher Server includes the following:

- WebSphere (if not currently installed)
- Java Development Kit (JDK) (if not currently installed)

  Note: WebSphere, if installed with Host Publisher, points to this JDK. If WebSphere is already installed on your system, the level of JDK for WebSphere is not upgraded. This could cause runtime problems. See the chapter on troubleshooting in the *IBM SecureWay Host Publisher User's Guide* for more information. To see what level of the JDK we require, change to the *yourinstalldir*/common/jdk/bin directory and run the command: **./java -version**. This represents the minimum required level of the JDK.
- Host Publisher 2.0 Server code
- Host Publisher Server Administration files
- A server configuration file (server.properties), that contains the purchased number of licenses

Publishing of applications is handled by the Host Publisher Studio; however, some database and host access samples have been provided for your use. Refer to http://www.ibm.com/Support for the latest information about the samples.

During installation, these files are modified:

- WebSphere's **bootstrap.properties** file, to allow it to access Java code installed with Host Publisher 2.0
- WebSphere's **servlets.properties** file, to define the Host Publisher Server Administration servlet, and to make Integration Objects that are published later accessible to WebSphere
- Web server configuration files, to configure the Host Publisher Server alias

Installing on Windows NT, AIX, and Solaris

To install Host Publisher on Windows NT, AIX, and Solaris:

1. Stop your Web server and, if appropriate, WebSphere.

2. Insert the CD.
   a. **Windows NT**: Wait for the Start window. If the autorun screen does not appear, run the installation program from the CD root directory (setupwin.exe).
   b. **AIX and Solaris**: Run the installation program from the CD root directory (setupaix.sh or setupsun.sh).
3. Click **Install Products**.
4. Proceed through the windows, making appropriate choices where necessary.
5. To read the latest product information, check the box for the README file.
6. Click Finish when the final window appears.

On Windows NT, reboot after you complete installation.

Installing Host Publisher Studio

1. Double-click setup.exe in the CD root directory.
2. Proceed through the installation windows.
3. Click Finish when the final window appears.

Silent installation of Host Publisher Server

To perform a silent installation of Host Publisher Server, you must first create a response file that contains the information required on the installation panels. This file is usually called install.script; a default install.script file is provided for you in the \Instmgr*your_platform* directory, where *your_platform* is either **win**, **aix**, or **sun**.

To record your own response file, go to the \Instmgr directory on the CD, and run the appropriate installation sequence for your platform with the following parameters:

```
instwin.bat -r responsefile_path
instaix.sh -r responsefile_path
instsun.sh -r responsefile_path
```

where *responsefile_path* is the path where you want the response file to reside.

For example:

```
instwin.bat -r c:\WINNT\install.script
```

or

```
instaix.sh -r ./aix/install.script
```

To play back the response file, go to the \Instmgr directory on the CD and run the following command for your platform:

```
instwin.bat -p responsefile_path
```

or

```
instaix.sh -p ./aix/install.script
```

Silent installation of Host Publisher Studio

Silent installation of Host Publisher Studio is similar to silent installation for the server.

First you must create a response file that contains the information required on the installation panels. To do this, at a command prompt, type:

```
setup.exe -r -f1responsefile_path -f2logfile_path
```

where *responsefile_path* and *logfile_path* are the paths where you want the response file and log file to reside.

The -f2 parameter is optional. For example:

```
setup.exe -r -f1c:\WINNT]setup.iss
```

or

```
setup.exe -r -f1c:\HostPublisher\setup.iss -f2c:\HostPublisher\setup.log
```

This creates a response file with a typical .iss extension in the specified directory.

To run a silent installation using the response file, at the command prompt, type:

```
setup.exe -s -f1responsefile_path -f2logfile_path
```

The -f2 parameter is optional. For example:

```
setup.exe -s -f1c:\WINNT]setup.iss
```

or

```
setup.exe -s -f1c:\HostPublisher\setup.iss -f2c:\HostPublisher\setup.log
```

The setup.log file provides installation details. If the silent installation is successful, the ResultCode is 0. If the silent installation fails, the ResultCode is often -12. This indicates that the information in the response file does not exactly correspond to the panels presented during the silent installation. It is important for the response file information to match the installation panels, so make sure you create the response file and run the silent installation in the same environment.

Testing installation

After you complete installation of Host Publisher 2.0, start the Web server and WebSphere, then access a simple HTML page. In this way, you can ensure that the Host Publisher alias is working. In the following examples, the configured alias is HostPublisher.

1. Copy the following HTML code to a file named test.html.

```
<!doctype html public "html2.0">
<html>
<body>
<h1 align="center">My home page</h1>
</body>
</html>
```

2. Place test.html in the %hpinstall_dir%\Server\production\documents directory path.
3. Load **http://myhost/HostPublisher/test.html** in your browser.

Next, access a simple JSP page to make sure all the basic WebSphere settings are correct.

1. Copy the following HTML code to a file named test.jsp.

```
<html>
<head>
<title>JSP Test</title>
</head>
<body>
<h2>Hello world</h2>
<h4>I'm at <%=request.getRequestURI() %></h4>
</body>
</html>
```

2. Place test.jsp in the %hpinstall_dir%\Server\production\documents directory path.
3. Load **http://myhost/HostPublisher/test.jsp** in your browser.
4. Start WebSphere administration.
   a. Ensure that the Host Publisher Server Administration servlet is defined and started.
   b. Ensure that the servlet initialization parameters appear in the WebSphere Application Server administration. These parameters are:
      - install_dir
      - log_dir
      - server_dir
5. Test the sample applications. Refer to http://www.ibm.com/Support for information on downloadable test applications.

Diagnosing installation problems

Several log files are created during Server installation. These files are located in the directory indicated by the TEMP environment variable; the default is c:\TEMP on Windows NT and /tmp on AIX and Solaris. The files are:

HostPubTrace.log
This file contains the trace data on installation progress. This file contains information primarily about the interface and the install engine. Generally, this is the most important log file, since it provides detail about what the program was doing when it failed.

setupHpserver.log (Windows NT)
This is the log file from the Host Publisher Server installation. Errors that occurred during the Host Publisher Server silent installation will result in a non-zero ResultCode in this file.

InstMgr.log (AIX)
This file contains the output from the Host Publisher Server installation command: **installp**.

/var/tmp/WebSphere.instl
This file contains the output from the native installation of WebSphere.

Uninstalling Host Publisher

To uninstall Host Publisher Studio:

1. From the Control Panel, click Add/Remove Programs.
2. Select IBM Host Publisher Studio.
3. Click Add/Remove.

To uninstall Host Publisher Server:

On Windows NT:

1. From the Control Panel, click Add/Remove Programs.
2. Select IBM Host Publisher Server.
3. Click Add/Remove.

On AIX do one of the following:

- On the command line, type: **installp -ug HostPublisher.rte**

or

- Through SMIT, remove the filesets named HostPublisher.

Note: If WebSphere and Host Publisher Server were installed at the same time, WebSphere will be configured to use the JDK shipped with Host

Publisher Server. Do not uninstall Host Publisher's JDK unless you are sure it is not being used by WebSphere.

On Solaris:

- On the command line, type: **pkgrm IBMhpsvr IBMhp[three-digit letter code]**

For example, to remove an English package, type **pkgrm IBMhpsvr IBMhpenu**. If you do not know your language code, type **pkginfo l grep IBMhp** to get the names of your packages.

Host Publisher Studio and Host Publisher Server, when installed in the same directory on Windows NT, share files located in the *yourinstalldir*\Common directory. The operating system marks these files as shared, so they are not removed if either product remains on the system. When all Host Publisher components are removed from the system, you are asked to remove the shared files.

Uninstalling WebSphere

WebSphere Application Server is *not* removed during uninstallation of Host Publisher. If no other programs are using WebSphere, you can remove the product as follows:

For Windows NT:

1. From the Control Panel, click Add/Remove Programs.
2. Select IBM WebSphere Application Server.
3. Click Add/Remove.

On AIX do one of the following:

- On the command line, type: **installp -ug IBMWebAS**

or

- Through SMIT, remove the filesets named IBMWebAS.

On Solaris:

- On the command line, type: **pkgrm IBMWebAS**

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This Planning and Installation Guide contains information on intended programming interfaces that allow the customer to write programs to obtain the services of Host Publisher.

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