IBM® WebSphere® Host Publisher Planning and Installation Guide for Windows NT, Windows 2000, AIX, and Solaris

Version 3 Release 5

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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 13.

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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, Windows NT Version 4, and Windows 2000.

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

Hardware requirements

Host Publisher Server

Windows NT	40 MB of disk space; 256 MB RAM (512 MB recommended).
Windows 2000	40 MB of disk space; 256 MB RAM (512 MB recommended).
AIX	23 MB of disk space; 512 MB RAM.
Solaris	21 MB of disk space; 256 MB RAM (512 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, Windows NT, and Windows 2000:

- Pentium® 366 processor or higher
- Minimum of 256 MB RAM
- 102 MB of free disk space
- A display with a color depth of 256 colors or higher, and a minimum screen resolution of 600 x 800 pixels.

Software requirements

Host Publisher Server

Windows NT

- Windows NT Workstation or Server Version 4.0, Service Pack 6A
- WebSphere Application Server Advanced Edition 3.5, PTF 3

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- One of the following supported Web Servers:
  - Apache Server 1.3.12
  - IBM HTTP Server (included with WebSphere Application Server) V1.3.12, V1.3.12.1, and V1.3.12.2
  - iPlanet Enterprise Server 4.0 SP6 and 4.1 SP5
  - Lotus® Domino™ Application Server Release 5.02b and 5.05
  - Microsoft® Internet Information Server V4.0

Note: An FTPD product must be installed and enabled to transfer applications from the Host Publisher Studio to the Server.

On Windows NT, with Host Publisher Server and Host Publisher Studio installed on the same machine, you can use the *localhost* option. See the *IBM WebSphere Host Publisher Administrator's and User's Guide* for more information.

Windows 2000

- Windows 2000 Server or Advanced Server
- WebSphere Application Server Advanced Edition 3.5, PTF 3
- One of the following supported Web Servers:
  - Apache Server 1.3.12
  - IBM HTTP Server (included with WebSphere Application Server) V1.3.12, V1.3.12.1, and V1.3.12.2
  - iPlanet Enterprise Server 4.1 SP5
  - Lotus Domino Application Server Release 5.05
  - Microsoft Internet Information Server V5.0

Note: An FTPD product must be installed and enabled to transfer applications from the Host Publisher Studio to the Server.

On Windows 2000, with Host Publisher Server and Host Publisher Studio installed on the same machine, you can use the *localhost* option. See the *IBM WebSphere Host Publisher Administrator's and User's Guide* for more information.

AIX

- AIX V4.3.3 with Service Pack 02
- WebSphere Application Server Advanced Edition 3.5, PTF 3

- One of the following supported Web Servers:
  - Apache Server 1.3.12
  - IBM HTTP Server (included with WebSphere Application Server) V1.3.12, V1.3.12.1, and V1.3.12.2
  - iPlanet Enterprise Server 4.0 SP5 and 4.1 SP5
  - Lotus Domino Application Server Release 5.05

Note: An FTPD product must be installed and enabled to transfer applications from the Host Publisher Studio to the Server.

Solaris

- Sun Solaris V2.6 or V2.7 SPARC and the Native Threads Package
- WebSphere Application Server Advanced Edition 3.5, PTF 3
- One of the following supported Web Servers:
  - Apache Server 1.3.12
  - IBM HTTP Server (included with WebSphere Application Server) V1.3.12, and V1.3.12.1
  - iPlanet Enterprise Server 4.0 SP5 and 4.1 SP5
  - Lotus Domino Application Server Release 5.05

Note: An FTPD product must be installed and enabled to transfer applications from the Host Publisher Studio to the Server.

Host Publisher Studio

Windows 95, Windows 98
None

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

Windows 2000
Windows 2000 Professional, Server, or Advanced Server

Limitations

Host Publisher Version 3.5 uses IBM WebSphere Application Server V3.5. Refer to documentation on this product to understand any limitation considerations it might have.

Performance considerations

Host Publisher Version 3.5 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 3.5 uses the level of JDK that WebSphere uses. 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

  Note: If you are upgrading from an earlier version of Host Publisher Server, you should uninstall the previous version prior to installing Version 3.5. You must install Host Publisher Server Version 3.5 in the same directory path to ensure access to your existing applications.
- The number of Host Publisher licenses (connections to host or database resources) for which you are authorized
- Whether you have existing applications created with a previous version of Host Publisher
- If you have existing applications, and you want to migrate the JSP pages during installation, the directory path to the JSP pages. Refer to "JavaServer™ Page (JSP) migration" for more information.
- 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 desktop folder name (for Windows NT and Windows 2000)

JavaServer™ Page (JSP) migration

Because Host Publisher Version 3.5 no longer supports 0.91 JSPs, migration of pages created by a previous version of Host Publisher is required. Host Publisher provides a migration utility called JSPMigrator. For detailed information about the migration of JSPs, see the *IBM WebSphere Host Publisher Administrator's and User's Guide*.

In addition, if you plan to use WebSphere for cloning application servers (JVMs), and you have existing applications using chained Integration Objects, you need to modify your JSPs to cause HTTP session affinity to be established. For more information, see the *IBM WebSphere Host Publisher Programmer's Guide and Reference*.

Installing Host Publisher Server

Installation of the Host Publisher Server includes the following:

- Host Publisher Version 3.5 Server code
- Host Publisher Server Administration files

- A server configuration file (server.properties), that contains the purchased number of licenses

During installation, these files are modified:

- WebSphere Application Server's configuration database, to define the Host Publisher Administration servlet and to enable WebSphere to access your Host Publisher documents
- WebSphere Application Server's administration configuration files, to access the Host Publisher class files
- Web server configuration files, to configure the Host Publisher Server alias

Note: If your Web server is not installed on the same machine as your Host Publisher Server, you must configure the remote Web server after installation. See the *IBM WebSphere Host Publisher Administrator's and User's Guide* for information about using Host Publisher in a remote open systems environment (OSE).

Installing on Windows NT, Windows 2000, AIX, and Solaris

To install Host Publisher Server on Windows NT, Windows 2000, AIX, and Solaris:

1. WebSphere and your Web server must be started.
2. Insert the CD.
   a. **Windows NT and Windows 2000**: 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 Product.
4. Proceed through the windows, making appropriate choices where necessary.
5. To read the latest product information, click the button for the README file.
6. Click Finish when the final window appears.

   On Windows NT and Windows 2000, reboot after you complete installation.
7. Stop and restart WebSphere Application Server. You might also need to stop and restart the Web server.

Installing Host Publisher Studio

Note: If you are upgrading from an earlier version of Host Publisher Studio, you should uninstall the previous version prior to installing Version 3.5.

1. Insert the CD.
2. Wait for the Start window. If the autorun screen does not appear, run the installation program from the CD root directory (setup.exe).
3. Proceed through the installation windows.
4. Click Finish when the final window appears.

Note: If you plan to create a response file for silent installation of the Host Publisher Studio on other machines, refer to "Silent installation of Host Publisher Studio" on page 7. The Host Publisher Studio is installed following the creation of the response file.

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 /tmp/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 /tmp/install.script
```

Silent installation of Host Publisher Studio

Silent installation of Host Publisher Studio differs from the silent installation for the server. After creating a response file, the Host Publisher Studio is installed in the location you specify on the installation panels.

To create a response file that contains the information required on the installation panels, and install the Host Publisher Studio, type the following at a command prompt:

```
setup.exe -r -fl responsefile_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 -fl responsefile_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 of the Server

After you complete installation of Host Publisher Version 3.5, start the Web server, then access a simple HTML page. In this way, you can ensure that the Host Publisher alias is working.

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 *install_dir*\Server\production\documents directory path, where *install_dir* is the directory in which Host Publisher is installed.

   On Windows NT and Windows 2000, *install_dir* defaults to c:\HostPub\.

   On AIX and Solaris, *install_dir* is usually /var/HostPublisher/.

3. Load http://myhost/*alias*/test.html in your browser, where *alias* is the alias you defined when installing Host Publisher. The default alias is /HostPublisher/.

   If the test file is not found, check the Web Server's configuration files to ensure the Host Publisher aliases are defined. Stop and restart the Web Server if you make changes. Refer to the information about Web server configuration in the troubleshooting section of the *IBM WebSphere Host Publisher Administrator's and User's Guide* for more information about Host Publisher aliases.

Start the Host Publisher Application Server using the WebSphere Administrator's Console application. Host Publisher is configured in its own JVM as its own Application Server.

- **Windows NT and Windows 2000**: The Console is started with the adminclient.bat script.
- **AIX and Solaris**: The Console is started with the adminclient.sh script.

Note: The adminclient file is located in the /WebSphere/AppServer/bin directory.

In the Console, select the HostPubServer Application Server you find beneath your Node, and press the Start icon. A dialog box will indicate when the server has successfully started.

Next, access a simple JSP page to make sure all the basic WebSphere Application Server 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 *install_dir*\Server\production\documents directory path, where *install_dir* is the directory in which Host Publisher is installed.
3. Load http://myhost/*alias*/test.jsp in your browser, where *alias* is the alias you defined when installing Host Publisher. The default alias is /HostPublisher/.

   If http://myhost/*alias*/test.jsp fails to load, ensure that WebSphere Application Server is started. Ensure that the Application Server named HostPubServer is started in the WebSphere Administrator's Console.

Next, check the configuration of Host Publisher to WebSphere Application Server.

1. Start the WebSphere Administrator's Console.
2. Ensure that the **HostPubServer**, **HPServletEngine**, **hostpublisher**, and **_IBM_HP_WebAdmin_** entries appear in the topology tree.

   If these entries are not present, manually run the configuration script located in *install_dir*, where *install_dir* is the directory in which Host Publisher is installed. To run the configuration script, type the following on the command line:

   Windows NT and Windows 2000

   ```
   HostPubWAS.bat HostPubWASConfig.xml
   ```

   AIX and Solaris

   ```
   ./HostPubWAS.sh HostPubWASConfig.xml
   ```

3. If you want to use EJB support, ensure that the **HPubEJB** entry appears in the topology tree in the **Default Container** of **HostPubServer**.

   If this entry is not present, manually run the configuration script located in *install_dir*\Common\EJB\HPubEJB10\, where *install_dir* is the directory in which Host Publisher is installed. To run the configuration script, type the following on the command line:

   Windows NT and Windows 2000

   ```
   installEJB.bat
   ```

   AIX

   ```
   ./installEJBAIX.sh
   ```

Solaris

```
./installEJBSUN.sh
```

4. Load **http://myhost/***alias***/showCfg** in your browser, where *alias* is the alias you defined when installing Host Publisher, to see more configuration information. The default alias is `/HostPublisher/`.

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 Windows 2000, 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.

hpserv_install.log (Windows NT and Windows 2000)
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 (AIX and Solaris)
This file contains the output from the native installation of WebSphere Application Server.

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 or Windows 2000:

1. WebSphere and your Web server must be started.
2. From the Control Panel, click Add/Remove Programs.
3. Select IBM WebSphere Host Publisher Server.
4. Click Add/Remove.

On AIX do one of the following:

- WebSphere and your Web server must be started.
- On the command line, type:

  ```
  installp -u HostPublisher.msg.en_US.rte HostPublisher.rte
  ```

or

- Through SMIT, remove the filesets named HostPublisher.

During the uninstallation of Host Publisher Server, the hPubPortalData.xml file is saved from /usr/lpp/HostPublisher/xmlLegacyPortal/hPubPortalData.xml to /usr/lpp/HostPublisher.saved/xmlLegacyPortal/hPubPortalData.xml.

On Solaris:

- WebSphere and your Web server must be started.
- On the command line, type: `pkgrm IBMhpsvr IBMhp[three-letter language code]`

For example, to remove an English package, type `pkgrm IBMhpsvr IBMhpenu`. If you do not know your language code, type `pkginfo | 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.

Silent Uninstallation on Windows

On Windows you can silently uninstall Host Publisher Server or Host Publisher Studio by accessing the appropriate registry keys, which are:

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\IBM Host Publisher Server

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\IBM Host Publisher Studio

Retrieve the value for *UninstallString*. This string contains the command that uninstalls the product. Add the parameters *-y* and *-a* to this string at the beginning of the command. For example,

```
C:\WINNT\ISUNINST.EXE -fE:\HostPub\hpserver.isu ...
```

should become

```
C:\WINNT\ISUNINST.EXE -y -a -fE:\HostPub\hpserver.isu ...
```

This command can be changed either in an invocation on the command line, or directly in the registry key. If you change the registry key, the Add/Remove Programs menu will uninstall the product silently.

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Programming interface information

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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Version 3 Release 5

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