

3



Installing WebSite Professional

Before starting installation, complete the WebSite Pro Installation Requirements checklist (see Chapter 2, *Before You Start*). You'll need to collect some information about your hardware, software, connectivity, and other options before you can begin to install WebSite Pro. To install the other tools that come with WebSite Pro, such as Active Server Page support and the WebSite Java SDK, you may need additional software.

Installing WebSite Pro takes a few minutes. Following installation, you must test the server to make sure the server is running properly and is reachable from both the local computer and a remote computer. Running these tests is important to ensure that the server is installed and operating correctly. Once you have installed and tested the server, you can install the other tools as desired.

During installation, WebSite Pro uses the information you provide as well as information from your Windows 95 or Windows NT system Registry and configuration files to set the basic parameters for the server. This basic information is recorded on the Server page of Server Properties, which you may choose to edit later. To finish installing WebSite Pro, you must activate the Administrator's account.

This chapter begins with a quick-start summary, followed by detailed installation instructions for a new installation and an upgrade from previous versions of WebSite. Next, it walks through the server tests, the general information included in Server Properties, how to activate the administrator's account, how to install

WebSite Pro as a service, and where to find help. The chapter ends with an overview of installing the other tools that come with WebSite Professional 2.0.

Quick Start Summary

Take the following steps to install and test WebSite Professional. If you are upgrading, some of these steps may not apply, since WebSite Pro uses the previous configuration's information. These steps are explained fully in the next sections.

1. If you are upgrading from a previous version of WebSite, make backup copies of the DENNY and EIT Registry keys.
2. Close all other Windows applications before starting installation.
3. Insert the WebSite Pro CD in your system's CD-ROM drive; the setup program starts automatically and displays the install master window, from which you can select components and tools to install.
4. Select WebSite Professional from the install master window.
5. Enter the software's serial number to personalize your copy of WebSite Pro.
6. Choose the destination directory for the WebSite Pro software.
7. Choose to back up or not back up replaced files (and where to back them up).
8. Enter the Fully Qualified Domain Name for the server.
9. Enter the Administrator's email address.
10. Choose the server run mode.
11. Finish install and register your copy.
12. Test the server's operation from the local computer.
13. Test the server's operation from a remote computer.
14. Run the server self-test.
15. Review the Server page of Server Properties.
16. Activate the WebSite Pro server administrator account.
17. Install other WebSite Professional tools, as desired.

Note

WebSite Professional 2.0 includes the server and WebSite tools as well as a variety of additional web tools and development environments, each of which is installed independently. This chapter focuses on installing the server and WebSite tools; installing the other tools is discussed briefly in this chapter and in the chapters covering the specific tool.

Installing the WebSite Pro Software

WebSite Professional includes the WebSite Pro Server and Server Properties software; the WebSite Pro applications WebView, WebIndex, WebFind, QuickStats, and Map This image map editor; the WebSite Pro Resources collection of online help and documentation; and the WebSite API (WSAPI) and Visual Basic CGI software development kits. These components are installed by the WebSite Pro installer.

Note

You must have installed TCP/IP as a network protocol in order for WebSite Pro to operate, even if you don't plan to allow Internet access. For more information on installing TCP/IP in Windows NT or Windows 95, see your Windows documentation.

Performing a New Installation

The following procedures will install the WebSite Pro software. Read each installation screen for instructions and information.

To install WebSite Pro for the first time, complete these steps:

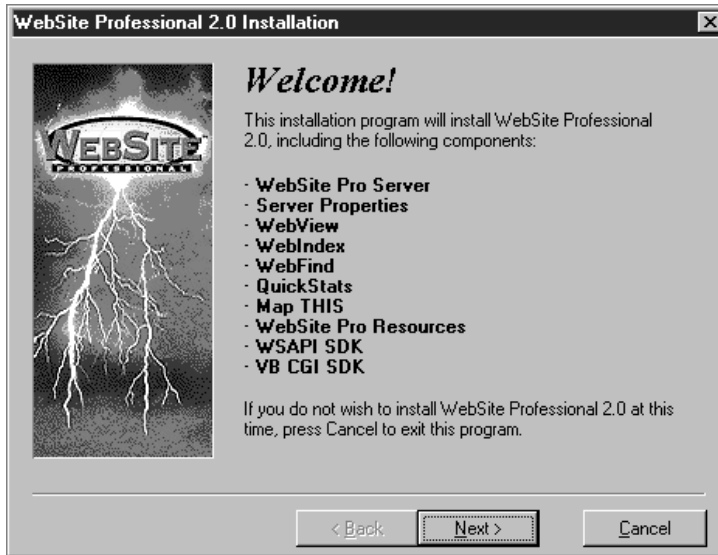
1. Start your computer and log on to Windows NT or Windows 95. If you are installing WebSite Pro under Windows NT, you must be the NT Administrator or have Administrator privileges.
2. Insert the CD-ROM into the CD-ROM drive on your system. The master install program starts automatically and displays on your screen. From this window, you select the component or tool you wish to install.

Note

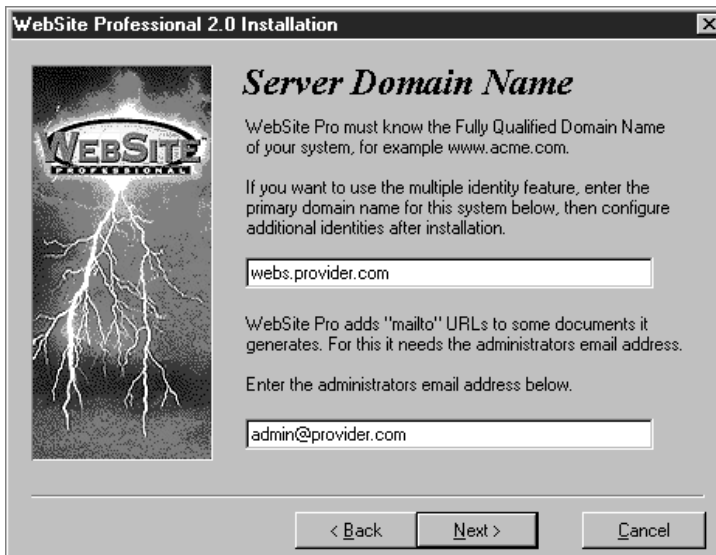
If the install program does not start automatically, browse the CD in the Windows Explorer and start the program named *autorun.exe*.

3. Click WebSite Professional to begin.
4. The WebSite Pro installation welcome screen appears, as shown in Figure 3-1. Click Next to begin installation.
5. Read the End User License Agreement. If you accept it, click Accept to continue. If you don't, click Cancel to end the installation.
6. On the Serial Number screen, enter the unique serial number included with your copy of WebSite Pro. You will find this number on a label in the envelope that contained the CD-ROM. Click Next to continue.

Figure 3-1 WebSite Pro Welcome screen



7. Choose the installation directory for the WebSite Pro software. The default is `\WebSite` on the computer's system disk (usually C:), but you can install the software in another directory. Click Next to accept the default, or click Browse to choose another directory.
8. Specify whether the installation program should back up any replaced files. In general, you should say Yes. Click Next to continue.
9. If you selected Yes for the backup, choose the location of the backup directory. The default location is `\WebSite\backup`. Click Next to accept the default and continue or click Browse to choose another directory and then Next to continue.
10. Enter your server's Fully Qualified Domain Name (FQDN—or domain name, for short). The domain name includes the server's specific host name as well as the larger domain name, such as `myserver.ourcompany.com`. The installer tries to find this name; however, you should verify or change the name to ensure it is your web server's name. This is the name used in URLs to reach your WebSite Pro server. If your server will have multiple identities, enter the name of the primary domain; you can configure other identities later, as described in Chapter 8. (See Figure 3-2).
11. Enter the email address for the WebSite Pro administrator, as shown in Figure 3-2. The server uses this address in creating `mailto` URLs for automatic directory listings, error messages, and so forth. The address can be located at your site or at another site. Note that individual virtual servers can have separate administrator email address, as described in Chapter 8. Click Next to continue.

Figure 3-2 Domain Name and Administrator's Email Address

12. Choose the mode for WebSite Pro to run under:

- Application (manual start). Installs the WebSite Pro server as an application that you must start each time you log in to Windows. This is the default setting.
- System Service (automatic start). Installs the WebSite Pro server as a service that runs as long as the system is running, even when no one is logged in. Unless you are familiar with services, we recommend you select Application for initial setup and testing.

Click Next to continue.

Note

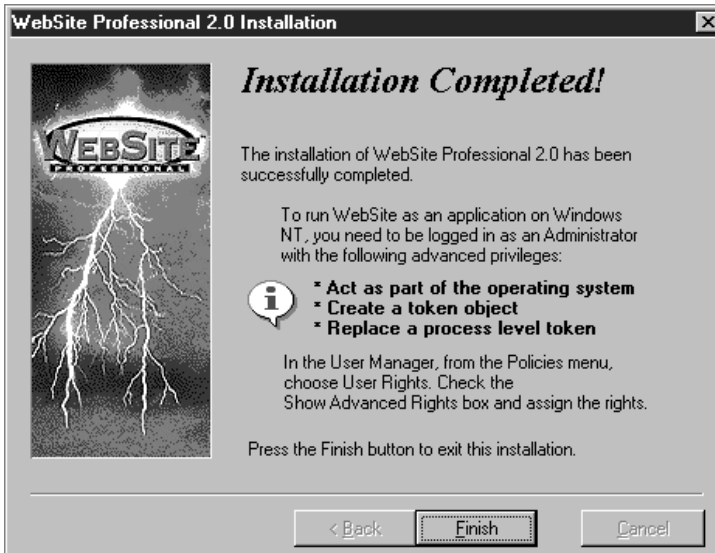
Other run modes are available from the Server page of Server Properties. These run modes affect how the server icon is displayed and how the server starts.

13. WebSite Pro is now ready to install. Click Next to continue.

14. When installation is complete, the Installation Finished screen appears. If you installed under Windows NT, this screen reminds you of the three advanced rights the account running WebSite Pro (as an application or as a service) must have (see Figure 3-3):

- act as part of the operating system
- create a token object
- replace a process level token

Figure 3-3 WebSite Pro installation finished (Windows NT)



- Click Finish to end the WebSite Professional installation. You may need to shut down and restart your computer for the installation to fully complete.
- Register your copy of WebSite Professional by completing the online form at O'Reilly Software Online (<http://website.oreilly.com/register.html>). You will need the serial number for your copy of WebSite Pro. When you register your WebSite Pro software, you have access to technical support and will receive announcements about product updates and upgrades. *Register today!*

Upgrading from a Previous Version of WebSite

If you are upgrading from a previous version of WebSite or WebSite Professional, you need to perform the following actions:

- Back up the Registry keys HKEY_LOCAL_MACHINE\SOFTWARE\Denny and HKEY_LOCAL_MACHINE\SOFTWARE\EIT. Use the Registry editor supplied with Windows NT or Windows 95 (*regedt32.exe* or *regedit.exe*) to export or save each of these keys and their subtrees. The Registry editor is usually installed in your *\Windows* directory. Save the keys under a new name.
- If you are upgrading from a previous installation that was installed as a Windows NT service, check the identity under which WebSite is running. As a service, it assumes a separate identity, which by default is the system account, configurable by the control panel.
- Back up your entire WebSite installation, from the server root down. If something goes wrong with the update installation, you'll be glad you did this!
- Shut down the server if it is running.

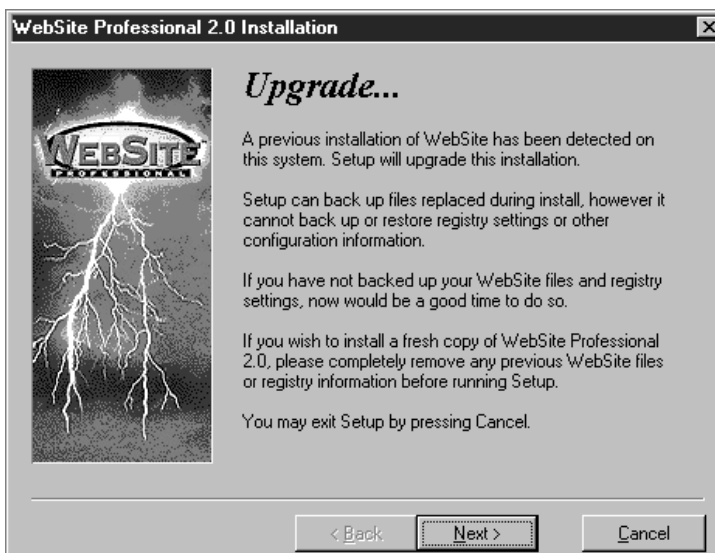
After you've completed the actions in the above list, perform these steps to upgrade to WebSite Professional 2.0:

1. Start your computer and log on to Windows NT or Windows 95. If you are installing WebSite Pro under Windows NT, you must be the NT Administrator or have Administrator privileges.
2. Insert the CD-ROM into the CD-ROM drive on your system. The master install program starts automatically and displays on your screen. From this window, you select the component or tool you wish to install.

Note

If the install program does not start automatically, browse the CD in the Windows Explorer and start the program named *autorun.exe*.

3. Click WebSite Professional to begin.
4. The WebSite Pro installation welcome screen appears, as shown in Figure 3-1. Click Next to begin installation.
5. Read the End User License Agreement. If you accept it, click Accept to continue. If you don't, click Cancel to end the installation.
6. On the Serial Number screen, enter the unique serial number included with your copy of WebSite Pro. You will find this number on a label in the envelope that contained the CD-ROM. Click Next to continue.
7. The installer detects the previous installation and displays a message screen as shown in Figure 3-4.

Figure 3-4 WebSite Pro Upgrade information

8. Specify whether the installation program should back up any replaced files. In general, you should say Yes. Click Next to continue.
9. If you selected Yes for the backup, choose the location of the backup directory. The default is `WebSite\backup`. Click Next to accept the default and continue or click Browse to choose another directory, then Next to continue.
10. WebSite Pro is now ready to install. Click Next to continue.
11. When installation is complete, the Installation Finished screen appears. If you installed under Windows NT, this screen reminds you of the three advanced rights the account running WebSite Pro (as an application or as a service) must have (see Figure 3-3):
 - act as part of the operating system
 - create a token object
 - replace a process level token
12. Click Finish to end the WebSite Professional installation. Note that you may need to shut down and restart your computer for the installation to fully complete.
13. Register your copy of WebSite Professional by completing the online form at O'Reilly Software Online (<http://website.oreilly.com/register.html>). You will need the serial number for your copy of WebSite Pro. When you register your WebSite Pro software, you have access to technical support and will receive announcements about product updates and upgrades. *Register today!*

Upgrading from Earlier Versions of WebSite

You can upgrade directly from earlier versions of WebSite and WebSite Professional as described above. Due to enhancements made to the program, review the following list for any items you need to manually update to work with WebSite Pro 2.0:

- If you are upgrading from any version and running under Windows NT, the account used for the server (whether it runs as a desktop application or as a service) must have the following three rights:
 - act as part of the operating system
 - create a token object
 - replace a process level token

To assign these rights, open the User Manager and select User Rights from the Policies menu. Check the Show Advanced Rights box and then assign these three rights to the account you will use to run WebSite Pro.

- If you are upgrading from any previous version, note that the way the server handles multiple identities has changed. No longer are identities bound strictly to IP addresses; rather, the server reads the Host: header field sent by the browser to determine the identity for the request. This new feature increases the number of identities you can support with fewer IP addresses. However, if you used IP address and host names interchangeably as references in your web, the IP addresses will fail unless added as specific identities to the server. See Chapter 8 for a complete discussion of multiple identities.
- If you are upgrading from any previous version and running under NT, you may have two WebSite (or WebSite Professional) folders on the Start menu. WebSite Pro 2.0 adds a folder to the Common area of the menu, while earlier versions may place this folder in the User area. You can delete the older folder from the Start menu by opening Taskbar from the Settings folder on the Start menu. If you added custom icons or other programs to the old WebSite folder, you should move them to the new folder before deleting the old one.
- If you are upgrading from WebSite 1.0, you must rebuild your indexes with the new version of WebIndex included in WebSite Pro. For information on using WebIndex, see Chapter 6.
- If you are upgrading from WebSite 1.0, you must recompile all your Visual Basic CGI programs using the new Visual Basic framework (*CGIBAS*). This new framework requires only the INI file to be on the command line used by the server to start Windows CGI programs.

Testing the WebSite Pro Server

After installing WebSite Pro, you must test the server to verify that it is installed and operating properly. The verification test has four parts:

- Making sure the server starts properly
- Viewing an HTML document from the local computer
- Viewing an HTML document from a remote computer
- Running the server self-test and demonstration (from WebSite Pro Resources)

Does the Server Start?

When you finish installing WebSite Pro, the first test is to make sure the WebSite Pro server starts and stays running. Depending on the run mode you selected, you start the server in one of two ways:

Application

From the WebSite Professional folder on the Start menu, select WebSite Pro Server. The server starts and minimizes as an icon in the Tray. Passing the

cursor over the icon indicates its status: Starting, Idle, Busy(x), Paused. For this test, the status should say Idle.

Service

Under Windows 95, start the server as for an application. Once started, it continues to run even when no one is logged in and will restart automatically whenever the system is started. Under Windows NT, open Services in the Control Panel. Scroll through the list of services until you see Web Server and check the status. If it says “started,” the server is running and has passed the first test. If not, click Start. The server icon should appear in the Tray. Passing the cursor over the icon indicates its status: Starting, Idle, Busy(x), Paused. For this test, the status should say Idle.

Note

From the first time the WebSite Pro server starts, it is enabled for enhanced (cryptographic) security. However, until the server has a public key certificate, it is not secure. An alert box appears telling you that the key/certificate database cannot be opened and secure transactions are impossible. If you plan to use the enhanced security feature of WebSite Pro, you should apply for your server's certificate as soon as possible. Please refer to Section IV for detailed instructions.

If the server does not start, check the server log (in the *logs* directory of *\WebSite*) for possible reasons. If *server.log* is not created, check the abort log in the main WebSite directory (*abort.log*). The most common is that TCP/IP is not configured properly. See Appendix D for more suggestions.

Can You View an HTML Document from the Local Computer?

The easiest way to test if your computer and WebSite Pro are set up correctly is with a web browser. To do so, follow these steps:

1. Make sure TCP/IP is running. If you are on a TCP/IP network or have a dedicated connection to the Internet, this is probably transparent to you. If you are on a standalone computer and get your TCP/IP connectivity with a dial-up SLIP or PPP account (using Dial-Up Networking), make sure that the connection is live.
2. Make sure your WebSite Pro server is running (as described in the preceding section).
3. Select WebSite Pro Resources from the WebSite Professional folder on the Start menu. The URL field should display the following path:

http://localhost/~wsdocs/

The browser displays the WebSite Pro Resources Welcome page, as shown in Figure 3-5. The browser sent the request for this URL, which is interpreted by the browser and server as the WebSite Pro Resources Welcome page document on the local computer, which is called *localhost*. Note that using *localhost* in a URL won't work when you try to reach your server from another computer.

Figure 3-5 WebSite Pro Resources Welcome Page



4. Next, test the server using the server's domain name, the name you entered during installation (new install) or the name you use to reach your server (upgrade install). In the URL field in the browser, type in the URL for the WebSite Pro Resources Welcome page for your server, using the following format:

http://your.server.name/~wsdocs/

where *your.server.name* is the fully qualified domain name (FQDN) of your server, such as *myserver.ourcompany.com*. The browser should display the document shown in Figure 3-5, except that the URL field displays the URL with the server's name.

Can You View an HTML Document from Another Computer?

The next step in testing the server is to view a document on your WebSite Pro server from a different computer, either one on your internal network or one connected to the Internet. This test is essentially the same as the previous one, performed from a different location. To complete this test you must have access to another computer that has a working web browser.

To test the WebSite Pro server from another computer, follow these steps:

1. Make sure your WebSite Pro server is running.
2. On the other computer, open a web browser.
3. Specify the URL for your server, using the following format:

http://your.server.name/~wsdocs/index.html

where *your.server.name* is the fully qualified domain name (FQDN) of your server. If everything is set up correctly, you will see the WebSite Pro Resources Welcome page (Figure 3-5), with the domain name in the URL field.

If you performed this test from a computer on your local network and it does not work, make sure the server is running and then check the TCP/IP configuration of the computer and the network. If you continue to have difficulties, consult your network or system administrator.

If you conducted this test from a computer connected to the Internet and it failed, try again. Sometimes heavy traffic on the Internet can cause connections to time out. If after several tries you still cannot reach the server, recheck the TCP/IP connections on both computers. Also make sure your server's name is a fully qualified domain name and that it is registered with DNS. If you continue to have difficulties, consult your Internet Service Provider.

Running the Server Self-Test and Demonstration

So far you have tested that the server is running, that it can serve documents locally, and that the host name is resolving correctly. Now it's time to put the server through its paces by running the server self-test. This last test has two primary benefits: first, it tests that the server is configured correctly and that all the features are working; second, it introduces you to the server's many capabilities.

Depending on what you plan to do with your WebSite Pro server, the self-test can provide valuable examples and plentiful ideas. Note that some of the items in the server self-test are quite advanced. Don't worry if you don't understand them at first. The rest of the WebSite Pro documentation is dedicated to explaining WebSite Pro's features and how (and why!) you use them.

Note

Since you will want to run the self-test and demonstration more than once (for example, whenever you make major configuration changes to your web or to collect data for troubleshooting problems), we created a checklist that includes all the server's features tested. You can find the checklist in Appendix A; we recommend you photocopy it, date it, and then complete it as you work through the self-test.

To start the WebSite Pro self-test and demonstration, do one of the following:

- On the WebSite Pro Resources Welcome page, click Server Self-Test.
- In your web browser, open the URL *http://localhost/~usdocs/32demo/*.

Note the checklist near the beginning of the self-test. If you are not currently able to meet all these requirements (for example, you may not have all the viewers or programming languages installed), we still recommend you complete the self-test. Just note that some features will not work correctly. For example, if your browser is not configured for sound, you will receive an error message when you test the audio link. Such an error is not a server problem, it only indicates that your browser could be configured differently.

Remember to record the server's responses to each item in the self-test on a copy of the checklist from Appendix A. If you encounter too many errors, please read the troubleshooting tips. If you are unable to correct the problems, contact technical support.

Using the Server's Control or Context Menu

Although powerful and fully featured, the WebSite Pro server requires very little attention from you. In fact, it has very few commands available to you directly, since all server configuration is done through Server Properties, the server's property sheet. The server's Control menu or context menu lists only three items: Properties, Pause, and Exit. The Control menu is available when you maximize the server's icon, if you run the server as a minimized application or service. If you run the server as an application or service with the icon in the Tray, the Control menu is replaced by a context menu, which you display by right-clicking on the server's icon. The three menu items are:

Properties

Displays the server's property sheet. You can change the server's configuration on the property sheet (also called Server Properties). The server's general properties are covered in the next section of this chapter; the other properties are covered thoroughly in Section III.

Pause

Lets you pause the server without exiting it. Pausing the server is useful for quick updates to your web or for server maintenance. When you pause the

server, a dialog box appears in which you can enter a message that users requesting documents from your web will see. (Note that some browsers replace this message with their own error message.) This message lets the user know that the server is only temporarily offline.

If you are running WebSite Pro as a service under Windows NT, the Pause item is not available from the WebSite Pro Control or context menu. You must use the Services Control Panel or the utility *usctl*. See “Running WebSite Pro as a Service,” later in this chapter.

Close or Exit

Stops the server and closes the application. Once the server exits, users receive no messages when they request documents. If you are running WebSite Pro as a service under Windows NT, the Close item is not available from Control or context menus. You must use the Services Control Panel or the utility *usctl*. See “Running WebSite Pro as a Service,” later in this chapter.

Creating the WebSite Key Ring Password

To maintain the security of your WebSite Pro’s certificate key ring, it requires a password. The certificate key ring holds the public/private key pairs, signed certificates, and trusted roots for using WebSite Pro’s cryptographic security. See Section IV for more details.

The Key Ring is part of Server Properties. The first time you open Server Properties, you will have to create a Key Ring password. Every subsequent time you open Server Properties or start the server, you will be asked to provide the password. You can have WebSite Pro remember the password and you can also open the property sheet without the password, in which case the Key Ring is not available.

Note

If you upgraded from an earlier version of WebSite Professional, the same password you used previously is still in place. You can skip this section.

To create the WebSite Key Ring password, follow these steps:

1. Open Server Properties from the WebSite Professional folder on the Start menu. A message appears telling you that no password exists and the program will help you create one now. Click OK to continue.
2. In the New WebSite Key Ring dialog box, enter the new password two times to ensure you typed it correctly. The password is not displayed in plain text, as shown in Figure 3-6.

Figure 3-6 New WebSite Key Ring password

3. To have WebSite Pro remember the password, check the Save Password box. Otherwise leave it blank.
4. Click OK to create the password.

Warning

Keep the Key Ring password safe and change it if it becomes compromised. The password is an important part of ensuring the security of the information on your web. See Section IV for more information.

Reviewing WebSite Pro's Server Properties

During installation, WebSite Pro puts specific information about your server in the Windows 95 or Windows NT Registry. This configuration information is available to you to view and change in Server Properties. Administering your server through Server Properties is the topic of Section III, but for now let's take a look at the most general information. You may need to make changes to the general setup at some point and this will acquaint you with the particulars. Also, if you choose to change whether WebSite Pro runs as a service or an application, you need to make that change here.

To view the general information, open Server Properties from the WebSite Pro folder on the Start menu or display the server's properties from the Control or context menu. Provide the Key Ring password, if requested. The Server page is displayed, as shown in Figure 3-7. The top of the page provides information about the server's engine, which runs WebSite Pro, as described below.

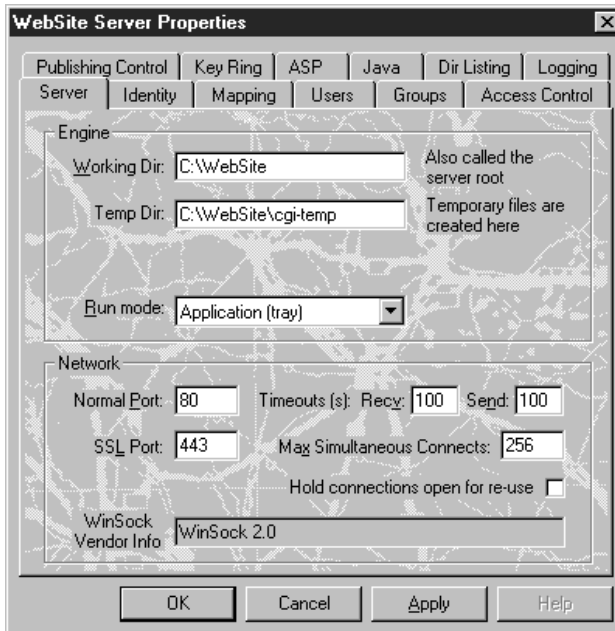
Working Directory

Indicates where WebSite Pro is installed. This directory is also called the *server root*, and is discussed in Chapter 9. Do not change this entry unless you move WebSite Pro to a new location.

Temporary Directory

Indicates the temporary location of Common Gateway Interface (CGI) programs and other WebSite Pro programs use. CGI programs are discussed in

Figure 3-7 Server Properties, Server page



detail in Section III of *Creating Dynamic Content*. You can change this directory if necessary by typing in a new one.

Run Mode

Specifies how WebSite Pro will run the next time it is started. If you want to change WebSite Pro's mode from an application to a service, you must first select a new run mode and then restart the server. To run WebSite Pro as a service under NT, see the instructions later in this chapter.

Under Windows 95 there are four run modes:

- Application (tray), login or manual start with the server icon in the Tray
- Application (minimized), login or manual start with the server icon in the Task Bar
- System service (tray), continuously running with the server icon in the Tray
- System service (minimized), continuously running with the server icon in the Task Bar

Under Windows NT there are three run modes:

- Application (tray), login or manual start with the server icon in the Tray
- Application (minimized), login or manual start with the server icon on the Desktop

- System service (tray), continuously running with the server icon in the Tray
- System Service (minimized), continuously running with the server icon on the Desktop
- System Service (hidden), continuously running with no server icon visible

Under Windows NT 4.0 two additional run modes let you choose to show the server's icon in the Tray for both service and application.

The rest of the page provides information about your WebSite Pro server's network connections:

Normal Port

Tells the server what port number to use for normal (non-secure) communications. The standard TCP/IP port is 80. If you use a different port number, you will have to include the port number in all *http* URLs pointing to the server.

SSL Port

Tells the server what port number to use for secure (SSL) communications. The standard SSL port is 443. If you use a different port number, you will have to include the port number in all *https* URLs pointing to the server.

Timeouts (Receive and Send)

Fairly standard settings. You may need to increase the timeouts if you are on a slow line, or if users complain that your server seems slow or cuts off documents. Increase the timeouts to 180 seconds for a PPP/SLIP connection. The default is 100.

Maximum Simultaneous Connects

Limits the number of simultaneous connections. You may need to adjust this for your line speed, to guarantee a minimum level of service. For example, if you have a 28.8 line and 10 simultaneous connections, each user sees only a 2800 baud line, which is very slow for web traffic. In this case, you should decrease the number of maximum connects. If you are on a high-speed line (ISDN, T1, or T3) or running on an internal network, the number can be higher. For Windows NT the default is 256; for Windows 95 the default is 64.

Hold Connections Open for Re-Use

Specifies whether the server should use the Connection: Keep Alive feature. Several browsers support Keep Alive (including Spyglass Mosaic) to make the transfer of documents more efficient and less time-consuming. This feature permits the browser to reuse a connection for fetching inline graphics and other elements that are referenced in an HTML document. If your users experience trouble, you should experiment with switching this feature on and off.

Winsock Vendor Information

Lists the valid Winsock programs detected on your system. WebSite Pro uses Microsoft's Winsock. You cannot change this field.

As you can see, much of the information on this page is rarely changed. However, if you have a problem with the server, your technical support consultant may ask you to change some of the values on this screen.

Note

When you make a change to Server Properties and close it, a dialog appears asking if it should update immediately (and terminate any active corrections) or wait until the server is idle to update. Whichever you choose, when the update is made, you'll hear the computer beep, indicating that the server's configuration has been updated. If the server is not running, you will not hear a beep, but the configuration will be in effect the next time you start the server. Configuration changes are logged in the server log.

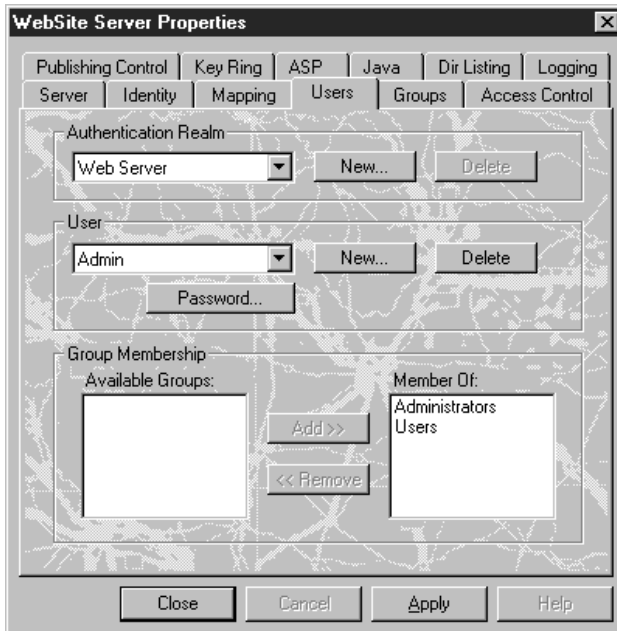
Activating the Administrator Account

WebSite Pro comes with a default user account called *Admin*. This account is dormant, meaning it has no password and belongs to no groups. You should activate this account before doing anything else with WebSite Pro. To activate the account you must assign a password and add it to at least the Administrators group. The *Admin* account is used for restricting certain URLs and server functions to a single account, for using the administrative features of *wsauth*, and for remotely administering WebSite Pro. (To learn about restricting access to URLs on your web and using Remote Administration, see Section III.)

To activate the administrator account, you must first select a password. Then complete these steps:

1. Open Server Properties from the WebSite Pro folder on the Start menu or the server's Control or context menus and click on the tab for the Users page.
2. In the Users field, select the user *Admin* from the pulldown list and click Password. The Change Password dialog appears.
3. Since there is no old password, put the cursor in the New Password field and type in the new password. Press TAB and type in the new password again. The password is hidden. Click OK when finished.
4. In the Group Membership section of the Users page, highlight Administrators in the Available Groups list and click Add. The group name moves to the Member Of list. Repeat for the group name Users. (You can accomplish the same task by double-clicking on the group name.) Figure 3-8 shows the Users page completed. Click OK to update the server and finish the activation.

Figure 3-8 Server Properties Users page



Running WebSite Pro as a Service

You can elect to run WebSite Pro as a service rather than a desktop application under Windows 95 or Windows NT. The advantage of running WebSite Pro as a service is that it runs even when no one is logged on to the computer, a helpful feature if you run your server 24 hours a day and don't want to leave an open account on an unattended computer.

In addition, running WebSite Pro as a service allows it to restart automatically when the operating system reboots.

Under Windows 95, the service mode operates in the same fashion as the application mode, except the server runs without anyone being logged in. That is, the Control menu options are available for the server by clicking on the right mouse button. Under Windows NT, however, some of those functions are not available.

This section discusses how to set up WebSite Pro as a service and how to start, stop, pause, and continue the service with a simple utility program.

Note

If you are installing WebSite Pro as a service on a Windows NT system, you should be well-acquainted with the subject of Windows NT identity. By default, a service assumes the identity of the system account (you can change this on the services control panel). WebSite Pro requires this default setup to run properly. If you encounter problems running WebSite Pro, check the identity of the server's account and make sure it is the system account. We also recommend you first test WebSite Pro as a desktop application.

Setting Up the Service

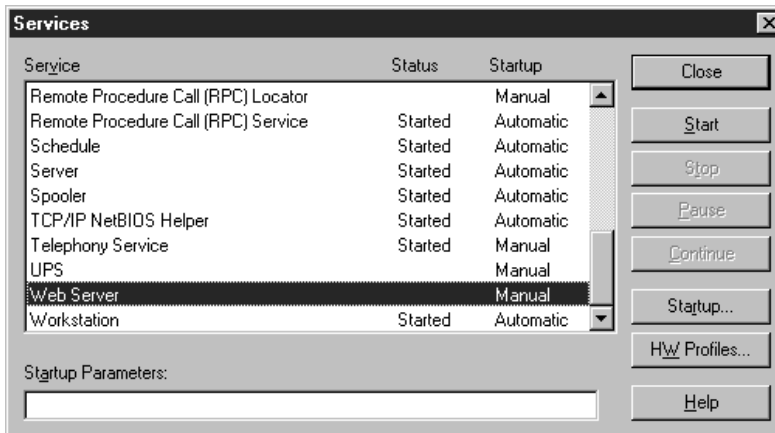
To change WebSite Pro from an application to a system service requires only a few quick steps. All the information the operating system needs is in place—you simply have to shut down the server as an application, make one change in Server Properties, and start it up again as a service as described in the following steps:

1. Shut down the WebSite Pro server if it is running.
2. Open Server Properties and display the Server page.
3. From the Run Mode pulldown list select System Service, with the desired icon option.
4. Close Server Properties.
5. Under Windows 95, start the server from the WebSite Pro Start menu folder. The server is now running as a service.
6. Under Windows NT, you must complete some additional steps. In the Windows NT Control Panel, open Services.
7. Scroll through the listed services until you come to Web Server, as shown in Figure 3-9.
8. Highlight Web Server and click Start. Services starts the WebSite Pro server and, if you elected to run it minimized or in the tray, the server icon appears on your in the taskbar or tray, respectively.
9. If you want WebSite Pro to start automatically whenever the system starts, click Startup on the Services window and complete the necessary information. Refer to the operating system guide for more help in setting up services.

Note

To return WebSite Pro to an application, simply stop the service (from the Services Control Panel under NT) or the server (Windows 95 only), reset the Run Mode in Server Properties, and start the server as an application.

Figure 3-9 Windows NT Services window



Starting, Stopping, Pausing, and Continuing the Service Under Windows NT

As described in the previous section, under Windows NT you can start, stop, and pause the WebSite Pro service from the Services window of the Control Panel. In addition, a utility program comes with WebSite Pro that lets you start, stop, pause, and continue the server from the command line. The utility is called *wscntl* and is located in the `\WebSite\support` directory.

You can use *wscntl* as a quick alternative to the Control Panel or as part of regularly scheduled maintenance activities. If you pause the server with *wscntl*, the server sends a Service Unavailable message so that users know the server is only temporarily offline (this is the same effect as using the Pause control option when the server is running as a desktop application).

You run *wscntl* from a Command Prompt (depending on how your path is set up, you may need to use the full pathname of the program or be in the `\WebSite\support` directory). *wscntl* requires one of the following four options:

start

starts the server as a service

stop

stops the server

pause

pauses the server while it is running

continue

restarts the server from a paused state

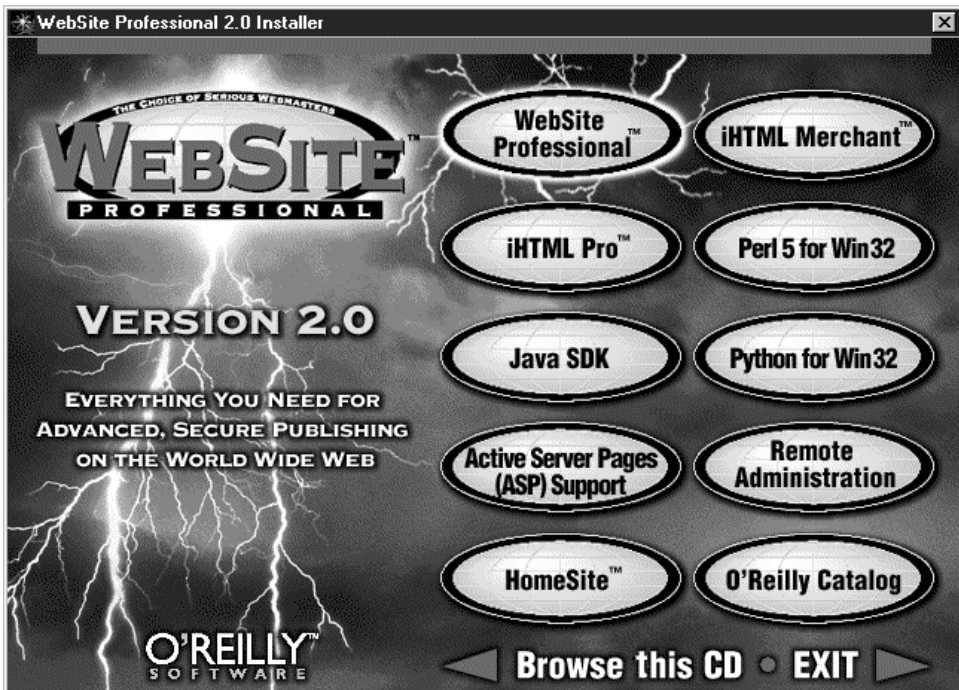
If you forget these options, simply type *wsctrl* at the command prompt and the program displays usage information.

Installing Other WebSite Pro Tools

As a complete web development and publishing environment, WebSite Professional 2.0 includes several other tools for helping you create and serve content on your site. You install these tools individually from the WebSite Pro CD-ROM. Here we briefly describe each tool; detailed descriptions of installing and using the tools are given in the chapters noted.

To install any of the WebSite tools, insert the WebSite Pro CD-ROM in your computer's CD drive. The master install program starts automatically and displays on your screen, as shown in Figure 3-10. From this window, select the component or tool you wish to install. If the install program does not start automatically, browse the CD in the Windows Explorer and start the program named *autorun.exe*.

Figure 3-10 WebSite Pro Installer



You can install the following tools from the WebSite Pro 2.0 CD-ROM:

iHTML Pro

The iHTML setup wizard installs iHTML and various test files and creates a folder on the Start menu. The wizard sets the datasource for the test files as the default datasource. You can change the default with the Enterprise Manager. See Chapter 4 in *Mastering the Elements*.

iHTML Merchant

The iHTML Merchant setup wizard installs a folder on the Start menu that includes a Storefront Setup wizard. Use this wizard to set up the sample storefront or a blank storefront. The wizard places all the iHTML pages for the storefront, including the administration pages, in a directory you specify. If you're installing the blank storefront, it creates a database containing all the properly named tables, set up to work with the iHTML pages and ready for you to add your products and configure your site. If you've installed the sample, the database contains sample data. See Chapter 5 in *Mastering the Elements*.

Java SDK

The Java SDK setup wizard installs the WebSite Pro Java SDK automatically. If you have not installed the JDK 1.1, the wizard installs the Java Runtime Environment (JRE 1.1). If you have installed the JDK 1.1, the Wizard checks that the JDK path information it has is correct. After the wizard completes the installation, start the server and you'll be taken automatically to an online test of the WebSite Pro Java Servlet SDK. See Chapter 15 in *Mastering the Elements*.

Active Server Pages (ASP) Support

The WebSite Pro ASP Support setup wizard handles the necessary configuration for supporting Active Server Pages with WebSite Pro. Before you run the wizard, you must have installed ASP and tested it to be sure it's working properly with IIS or PWS. See Chapter 7 in *Mastering the Elements*.

HomeSite HTML Editor

The HomeSite setup wizard installs the program, HTML help, and online user guide for the HomeSite HTML editor and creates a folder on the Start menu. You can select which of these components to install. See Chapter 5 of this book.

Perl 5 for Win32

The Perl setup wizard installs Perl 5 for Win32 and a variety of sample and documentation files. You can choose to install Perl, Perl for ISAPI, and/or PerlScript during install. See the WebSite Pro Resources link to the Perl online documentation for more information.

Python for Win32

The Python setup wizard installs Python for Win32 and a variety of sample and documentation files. It creates a folder on the Start menu from which you

can launch PythonWin. See the WebSite Pro Resources link to the Python online documentation for more information.

Remote Administration

A special version of the server's property sheet is included with WebSite Pro 2.0 for use in remotely administering your server. You install this software on the *local* computer (the one from which you wish to administer the server) and then use it to connect to any remote WebSite Pro server. See Chapter 13 of this book.

O'Reilly Catalog

This option starts a web browser and connects to the online O'Reilly & Associates catalog, where you can find the latest books and software to help you learn and use the tools that are part of WebSite Pro.

For More Help

Several sources of help are available to WebSite Pro users, including:

- The two-volume documentation set: *Mastering the Elements* and *Creating Dynamic Content*
- WebSite Pro Resources
- WebSite Pro Online Help
- WebSite Central (<http://website.oreilly.com/>) and O'Reilly Software Online (<http://software.oreilly.com/>)
- WebSite Pro Technical Support

Getting the Most out of the Documentation

The WebSite Professional documentation provides comprehensive instructions for installing and using the various applications and tools that make up WebSite Pro. The books take a task-oriented approach grounded in conceptual understanding of the topics at hand. They present procedural material and examples in a real-life, hands-on manner so you can practice the skills you need for building and maintaining a successful web. We encourage you to work through the procedures and apply the steps to your own specific web.

In addition, we've included scenarios for how your web can be more practical and useful to others. Helpful hints, ideas for using the server, and notes for avoiding difficulties are scattered throughout the book. And don't overlook the appendixes, which include valuable reference and troubleshooting material. For example, if you're having problems with WebSite Pro, first consult the Troubleshooting Tips appendix in each book.

Using WebSite Pro Resources

The WebSite Pro Resources item in the WebSite Professional folder on the Start menu is the starting point for a wealth of information about WebSite Pro. Various diagnostic tools, examples, reference material, tutorials, and additional documentation are available through WebSite Pro Resources. These online resources are HTML-based and require a browser to view. The server self-test, WebSite API software reference, WebSite Java servlet software reference, troubleshooting tips, the latest readme file, Visual Basic examples, and the Windows CGI specification are among the resources you can tap from the Resources home page. We suggest you start with the WebSite Pro Resources when you need information about WebSite Pro that you can't find in the documentation.

Using Online Help

Each WebSite Pro application has online help available through either a menu item or a screen button. In addition, you can bring up the help system by pressing F1 in any window.

The WebSite Pro online help gives definitions and specific procedures regarding the current application. Like online help for other Windows-based applications, WebSite Pro help includes hyperlinks to associated topics and topic searching.

Checking Out Web Resources

You should also regularly consult the web-based resources for news and information on WebSite Pro and other O'Reilly software products. WebSite Central is a web site dedicated to supporting WebSite and WebSite Pro by the staff of O'Reilly & Associates. WebSite Central provides product information, answers to frequently and infrequently asked questions (FAQs and IFAQs), a knowledge base of answers to specific problems, troubleshooting help, advice for particular implementations of WebSite Pro, ideas for new uses of WebSite Pro, sample HTML files, helpful utility programs, and opportunities to interact with the technical support staff and other WebSite Pro users. You will find the Tech Center helpful as you expand your web and add features to it. The WebSite-News mailing list keeps all registered users informed via email of WebSite news and events. The WebSite-Talk mailing list allows you to ask questions of other WebSite users and to gain from their experience. Reaching WebSite Central is simple; point your browser at <http://website.oreilly.com/>.

We also recommend you visit O'Reilly's umbrella web site, O'Reilly Software Online (<http://software.oreilly.com>). From this page you can learn about other O'Reilly products such as PolyForm and WebBoard as well as general news about O'Reilly's products.

Contacting Technical Support

If you've thoroughly investigated all the other sources for help and still need assistance, O'Reilly & Associates provides technical support for the product. Before contacting technical support, make sure you have registered online at <http://website.oreilly.com/register.html>. You need the serial number that came with your copy of WebSite Professional to register.

After you register your software, you have up to 30 days of free initial installation support y phone at (707) 829-0515 from 7:00 a.m. to 5:00 p.m. (Pacific Time), Monday through Friday. Initial installation support is considered successful execution of the server self-test and startup of all WebSite Pro tools. Advanced items such as programming (CGI, WSAPI, Java), virtual servers, and certificate authentication are not covered. Third-party products (such as HomeSite, iHTML Pro, iHTML Merchante, Perl for Win32, and Python for Win32) are not covered.

After the 30 days or for problems beyond installation, technical support is available on a per incident basis or with an annual tech support contract. For per incident support, call the number listed above and provide a credit card number when requested. For annual technical support contracts, contact O'Reilly & Associates' Customer Service department at (800) 998-9938.

See Appendix D for more details on troubleshooting and Technical Support.