

PORTLOCK



Configuring the Windows XP Pro FTP Server
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www.portlocksoftware.com

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1.0 About this Document

This document provides a step-by-step guide for setting up a File Transfer Protocol (FTP) Server in a Windows XP Professional environment for anonymous access.

1.1 Document Formatting

As you read this step-by-step guide, you will notice that certain words are represented in different fonts and sizes. The different representations will alert you as to how the words are used.

The following are examples:

- When you see bolded words or phrases, the bolded word is representing a word or phrase on the corresponding screenshots.

For example: A confirmation menu bar appears asking us if we are **Ready to begin image**.

- When you see words or phrases that are italicized, it indicates what is being displayed by the computer or entered by the user at a command line.

For example: To create a MS-DOS Boot disk from the command prompt, type “*format A: /s/u*”.

Note: /s-- copies systems files to A: and makes it bootable.

Note: /u-- performs an unconditional format.

- When you see a word in brackets, it indicates that the corresponding key is to be pushed on the keyboard.

For example: Press [Enter] to continue.

2.0 Check to see if IIS and FTP Services are Installed

Because FTP depends on Internet Information Services (IIS), you must first check to see if IIS is installed. To determine if IIS and FTP services are installed, follow these steps:

Step One: Load the **Control Panel** by clicking on the **Start** button and then **Control Panel**.

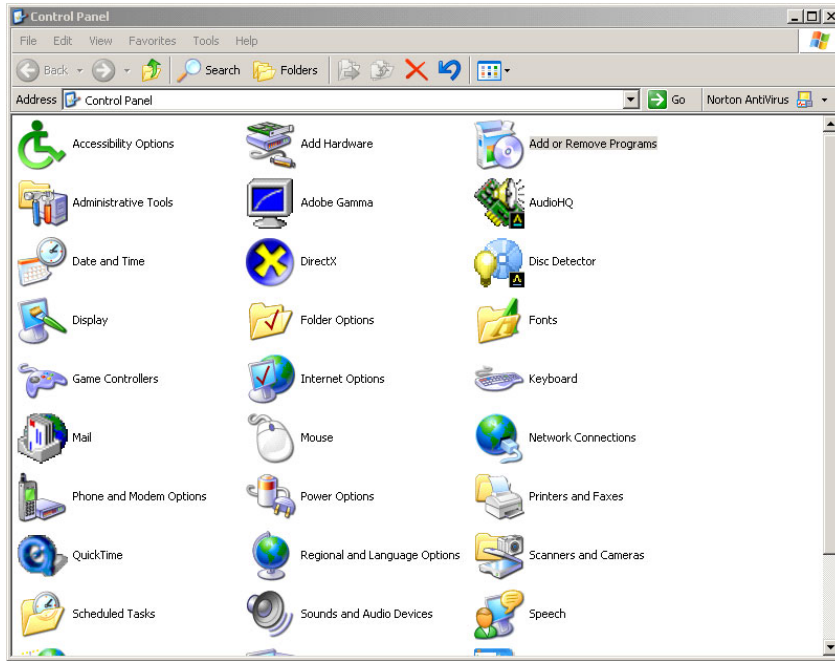


Figure 2-1

Step Two: As shown in **Figure 2-1**, select **Add or Remove Programs**.

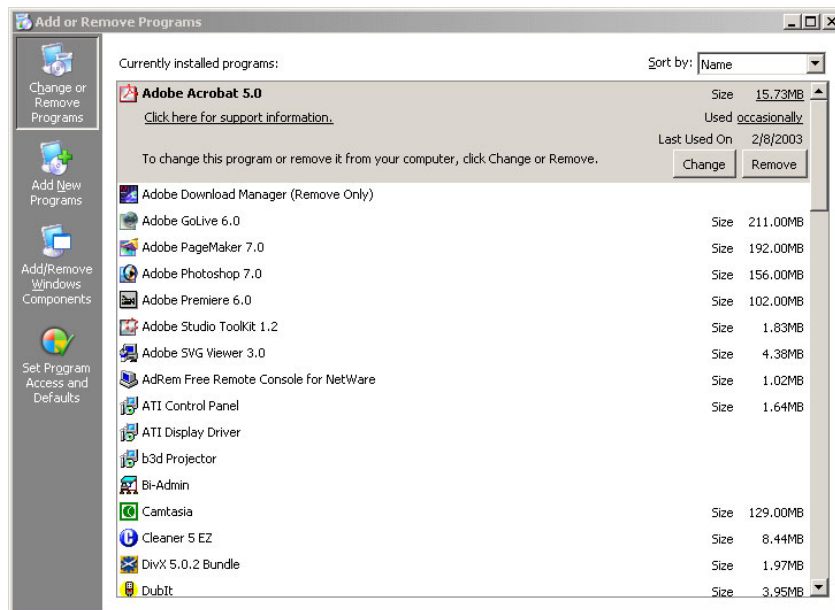


Figure 2-2

Step Three: As shown in **Figure 2-2**, select **Add/Remove Windows Components** from the left menu bar.

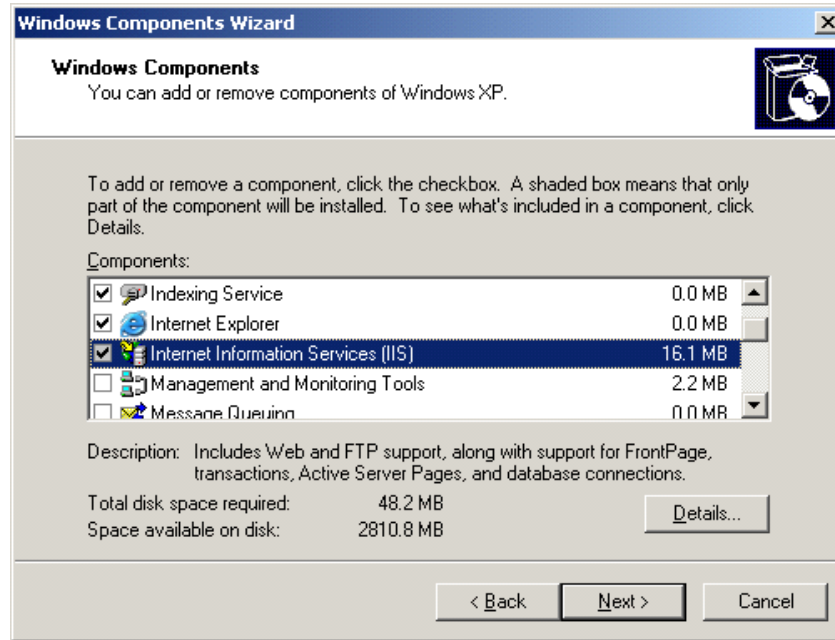


Figure 2-3

Step Four: As shown in **Figure 2-3**, select **Internet Information Services (IIS)** from the **Windows Components Wizard** and click **Details** to view what components of IIS are installed.

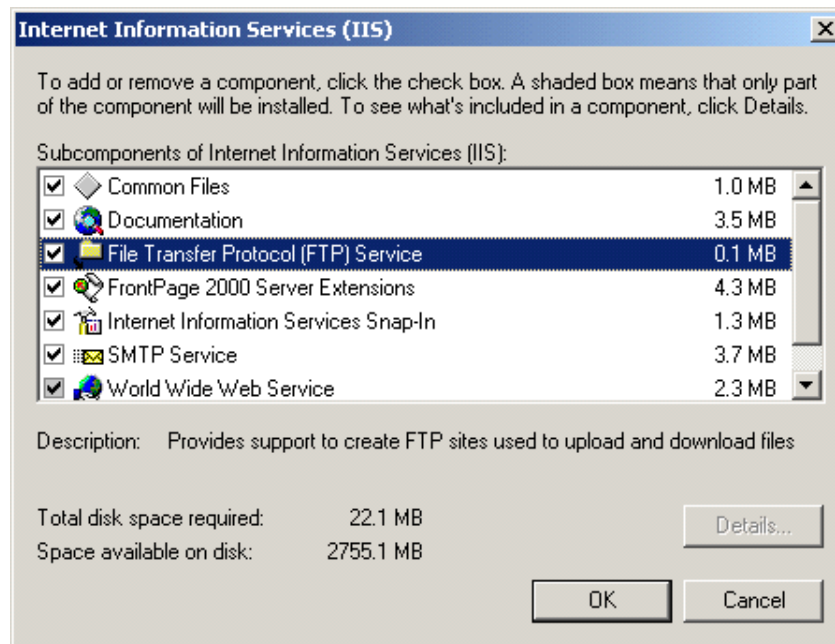


Figure 2-4

Figure 2-4 shows that all the necessary components of IIS are installed. If **Common Files**, **Documentation**, **File Transfer Protocol (FTP) Service**, and **Internet Information Services Snap-In** are checked, IIS and FTP services are installed. For information pertaining to setting up FTP services, go to page 9. If these components are not selected, go to page 6 for information on installing these services.

3.0 Installing IIS

Installing IIS is basically the same procedure as if it is installed, we just take it a step further. To install IIS and the FTP service, follow these steps:

Step One: Access the **Control Panel** by clicking **Start** then **Control Panel**.

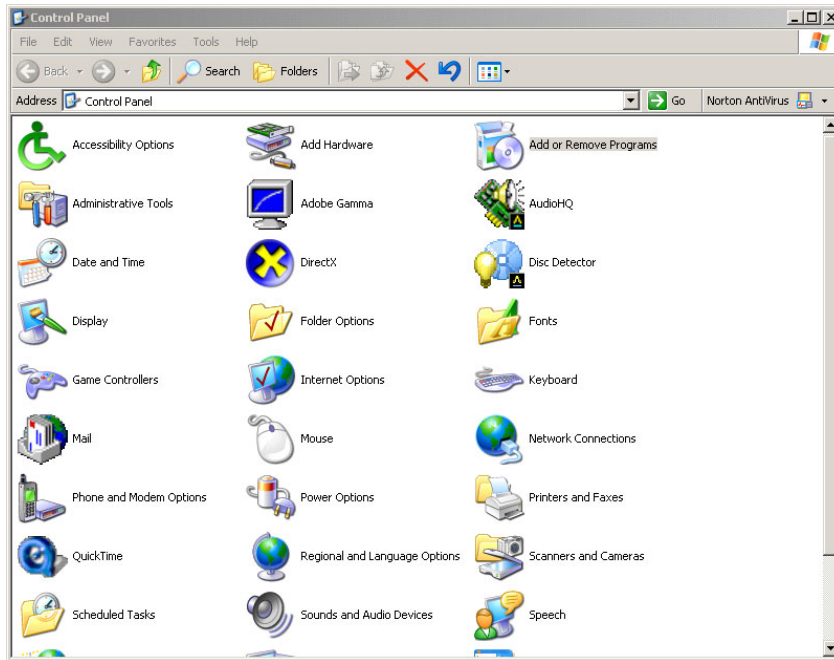


Figure 3-1

Step Two: As shown in **Figure 3-1**, select **Add or Remove Programs**.

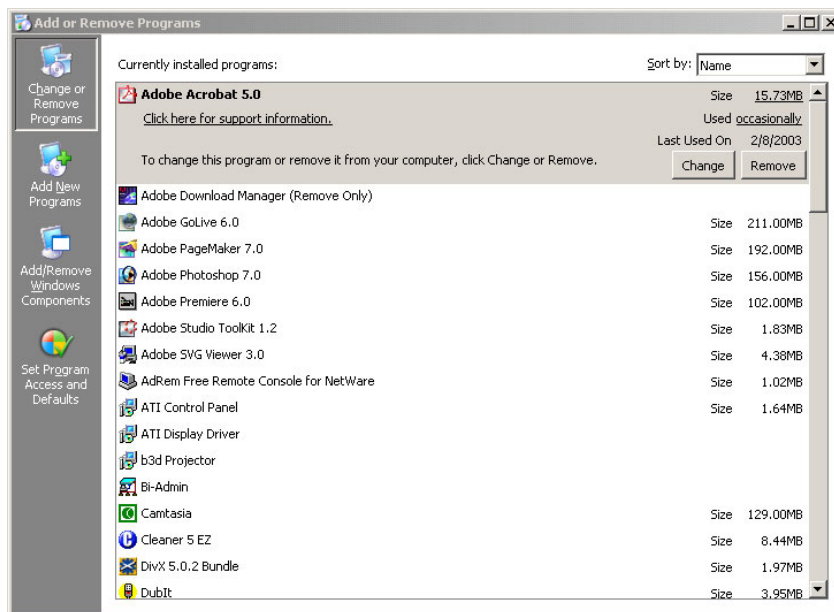


Figure 3-2

Step Three: As shown in **Figure 3-2**, select **Add/Remove Windows Components** from the left menu bar.

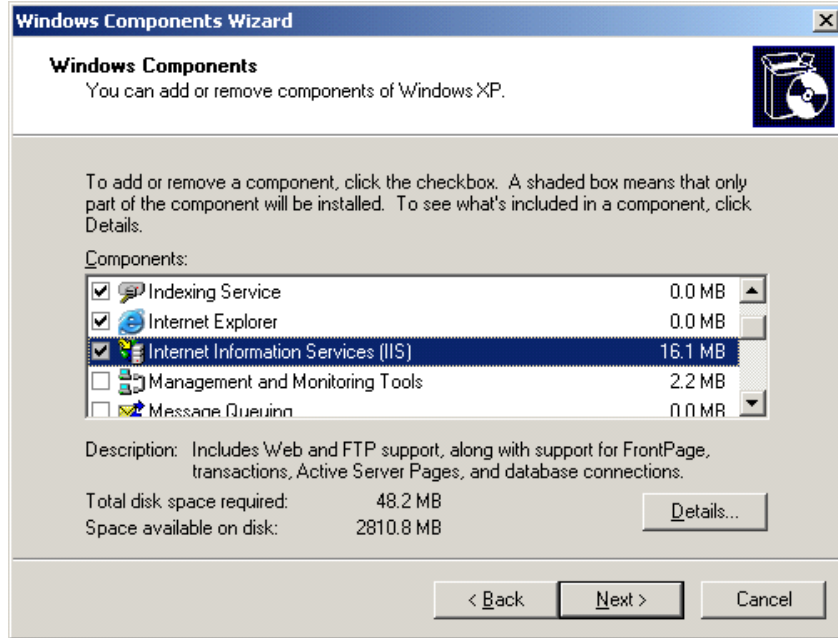


Figure 3-3

Step Four: As shown in **Figure 3-3**, select **Internet Information Services (IIS)** from the **Windows Components Wizard** and click **Details** to view what components of IIS are installed.

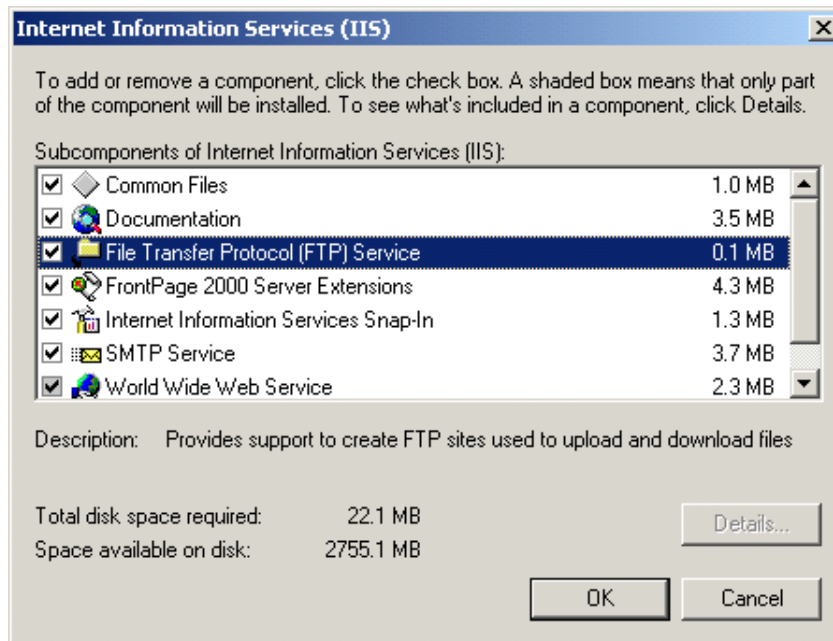


Figure 3-4

Step Five: **Figure 3-4** shows that all the necessary components of IIS are installed. Press **OK** to begin the installation of IIS.

The installation of IIS will now begin. The following will appear depending on the configuration:

- If you are prompted to configure Terminal Services, click **Next**.
- If you are prompted for a path for an FTP root folder, type a suitable folder path. The default is C:\Inetpub\Ftproot. For additional security, an NTFS drive is preferred. Click **OK** to continue.
- If you are prompted, insert the Windows XP ProCD or provide a path to the location of the files, and then click **OK**.

IIS and the FTP services are now installed; however, but you must configure the FTP service before you can use it. To configure the FTP services, continue on to section 4.0 on page 9.

4.0 Configuring the FTP Service

To configure the FTP service, follow these steps:

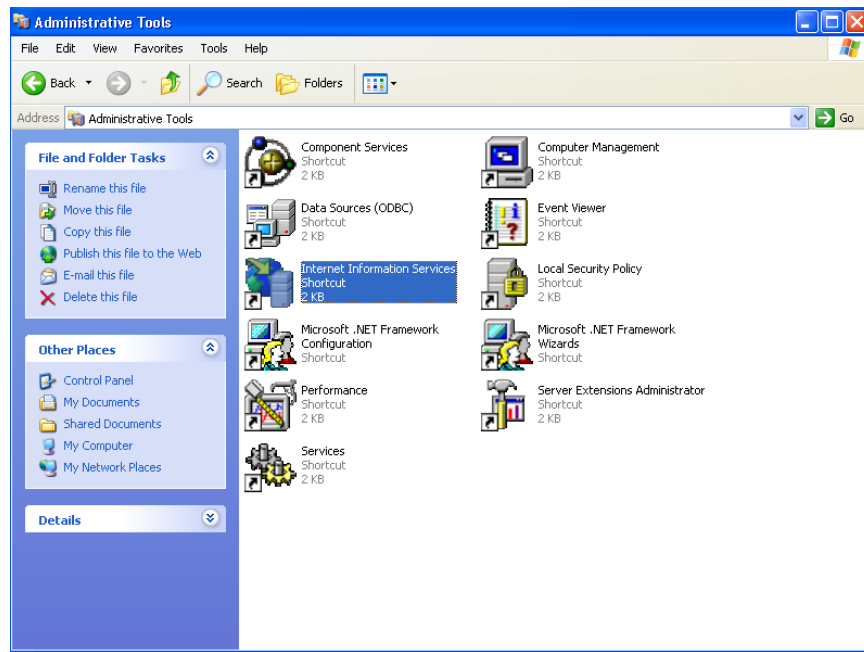


Figure 4-1

Step One: Click **Start, Control Panel, Administrative Tools, and then Internet Information Services Shortcut.**

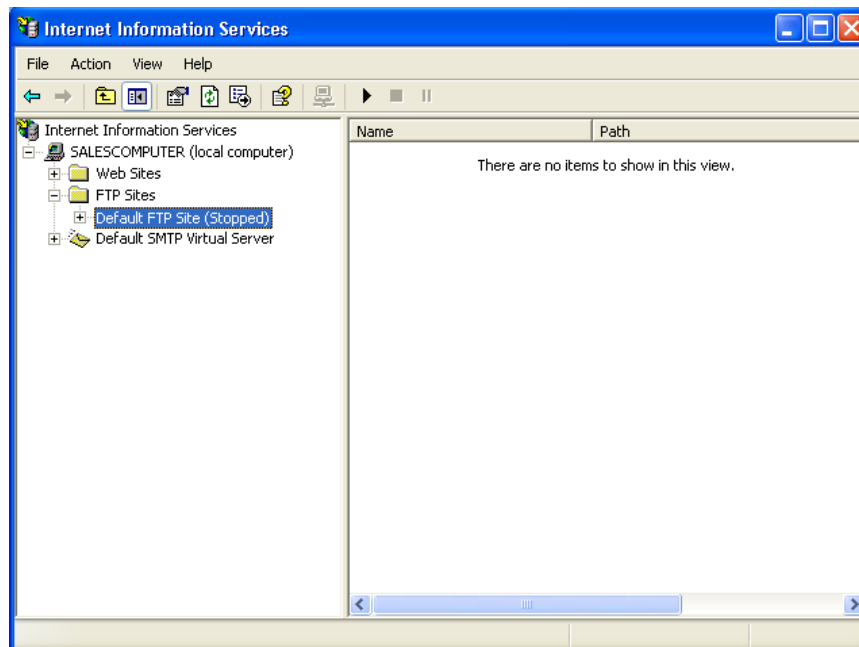


Figure 4-2

Step Two: As shown in **Figure 4-2**, the **Internet Information Services** window will appear. Click the plus sign (+) next to **FTP Sites** to expand the tree.

Step Three: Highlight the **Default FTP Site (Stopped)**, right-click and select **Properties** from the menu that appears.

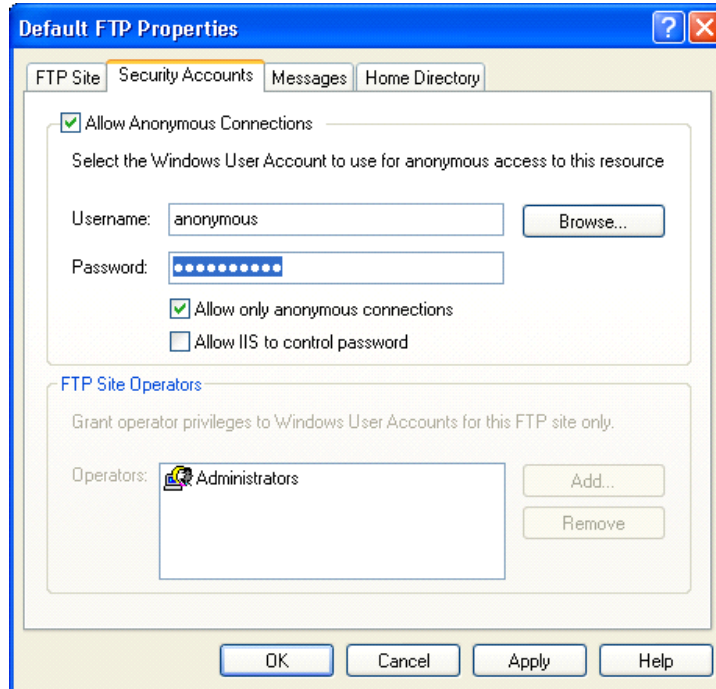


Figure 4-3

Step Four: As shown in **Figure 4-3**, the **Default FTP Properties** window will appear. Click the **Security Accounts** tab. Because the FTP Server is being setup for anonymous connections, we will make sure to have both the **Allow Anonymous Connections** and **Allow only anonymous connections** boxes marked. Now, the FTP Server's root directory and privileges need to be setup. Click on the **Home Directory** tab to do so.

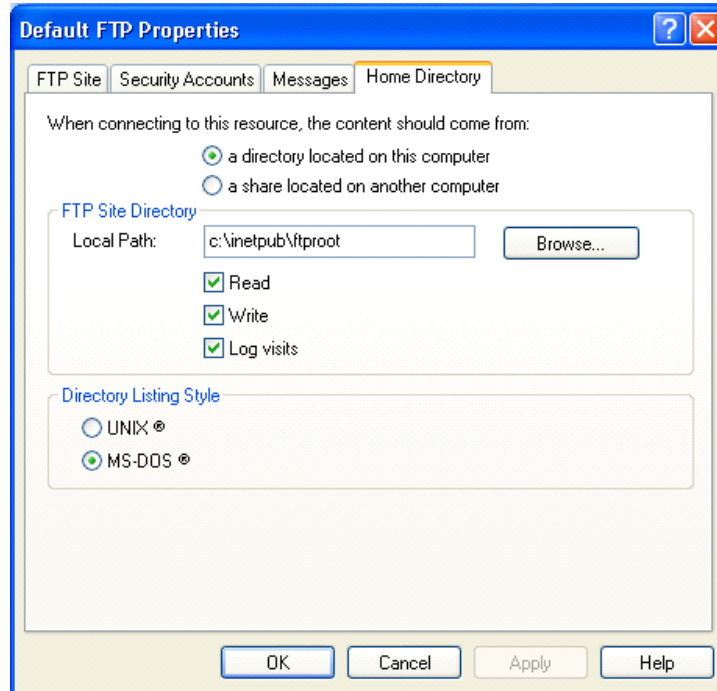


Figure 4-4

Step Five: As shown in our example, the **Local Path** or root directory of the server is “*c:\inetpub\ftproot.*” Also, notice that **Read**, **Write** and **Log Visits** have all been marked. Marking **Read** will allow the users to download files from the FTP Server. Marking **Write** will allow the user to upload files to the root directory of the FTP Server. Marking **Log Visits** will log information on the number of visits to the FTP server.

The FTP Server should now be configured to accept incoming FTP requests. The files that you would like users to access should now be copied into the **Local Path** directory.

5.0 Verifying that the FTP Server is Working

To verify that the FTP Server is working correctly, use the FTP command from the command console to log-in and test its functionality.



NOTE: To enhance the command prompt screenshots, we have key-colored user entered commands red.

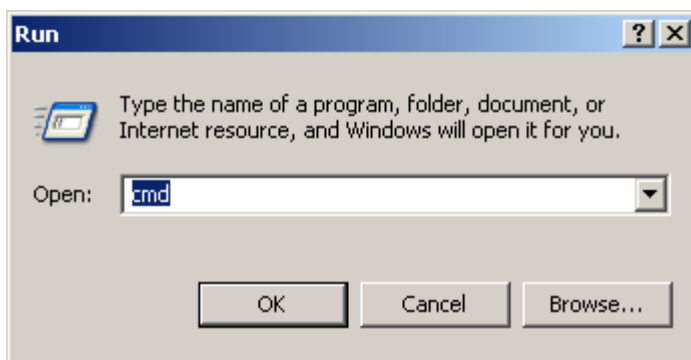


Figure 5-1

Step One: To verify that the FTP services are working correctly, open a command prompt by clicking **Start**, then **Run**, and type **cmd** in the **Open:** field, as shown in **Figure 5-1**.

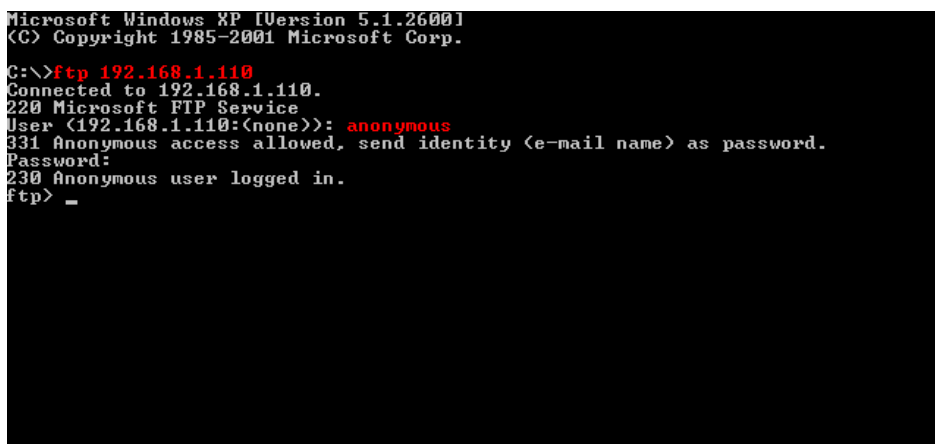


Figure 5-2

Step Two: At the command prompt, type **ftp** and the **TCP/IP** address of the previously setup FTP Server. You will be prompted to enter the **User** and **Password**. In this example, the FTP Server was setup for anonymous access. Type **anonymous** for the user and an e-mail address for the password.



NOTE: The password field will not display the characters as you type.

```
ftp> ls
200 PORT command successful.
150 Opening ASCII mode data connection for file list.
ftp
226 Transfer complete.
ftp: 5 bytes received in 0.00Seconds 5000.00Kbytes/sec.
ftp> binary
200 Type set to I.
ftp> cd ftp
250 CWD command successful.
ftp> put C:\document2.txt
200 PORT command successful.
150 Opening BINARY mode data connection for document2.txt.
226 Transfer complete.
ftp: 3927 bytes sent in 0.00Seconds 3927000.00Kbytes/sec.
ftp> _
```

Figure 5-3

Step Three: Type **ls** to retrieve a listing of the contents of the root directory of the FTP Server.

Step Four: Type **binary** to set the transfer mode to binary.

Step Five: Type **cd ftp** to change to the FTP directory.

Step Six: Type **put C:\document2.txt**.

You have now successfully verified that our FTP Server is working correctly and we can upload files to it.

About Portlock Software

Portlock Software is a leading provider of storage management solutions and services, dedicated to innovation, development, and customer support. Portlock products focus on storage management, server-to-server migration, bare-metal disaster recovery and data recovery. Portlock Software originated in Honolulu, Hawaii in January of 2000. Due to the increasing demand for its products, the company relocated its headquarters to Butte, Montana in February of 2002.

In May of 2002, Portlock Software announced the opening of its London office. With this opening, Portlock can now provide support and services to the Europe, Middle East, and Africa (EMEA) region. Also with this expansion, Portlock expanded its current web-based sales to include physical resellers.

Portlock Software is committed to providing support for its products that exceeds the industry standard for software companies. We provide support via our website, email and telephone. The Portlock Software website (www.portlocksoftware.com) includes documents, technical support information, a technical support news server, training videos, answers to frequently asked questions, tips and techniques, and newsletters that may help you better understand how to use Portlock products. If you are reporting a problem with Portlock products, our preferred support contact is by email through support@portlocksoftware.com. Although, if you prefer, you can reach our Technical Support Engineers via the telephone at (406) 723-5200.

Portlock Products



Portlock Storage Manager is designed to minimize the management, setup, installation, and reconfiguration time for NetWare and Windows servers. Users are able to copy, create, clone, image, restore, and resize DOS, NetWare, NSS, FAT 16, FAT32, and NTFS partitions and volumes. Disaster or quick recovery of failed servers is very fast and dramatically simplified.



Portlock Scorpion is a solution that converts Traditional volumes to NSS volumes.



Portlock Volume Defrag is a powerful tool for improving the layout and performance of file systems.



Portlock Disk Test is a comprehensive program for testing disk drives and partitions.



Portlock Storage Suite is a product bundle that includes all of our products in one attractively priced package. Portlock Storage Suite includes Portlock Storage Manager, Portlock Scorpion, Portlock Volume Defragment and Portlock Disk Test.