Packet Tracer - Use FTP Services

Addressing Table

Device	Interface	IP Address	Subnet Mask
FTP Server (ftp.pka)	NIC	209.165.200.226	255.255.255.224

Objectives

· Upload a file to an FTP server
· Download a file from an FTP server.

Background / Scenario

File Transfer Protocol (FTP) is a commonly used application to transfer files between clients and servers on the network. The server is configured to run the service where clients connect, login, and transfer files. FTP uses port 21 as the server command port to create the connection. FTP then uses port 20 for data transfer.

In this activity, you will upload a file to an FTP server. You will also download a file from an FTP server.

Instructions

Part 1: Upload a file to an FTP server.

In this part, you will locate the file sampleFile.txt and upload it to an FTP server.

Step 1: Locate the file.

1. **Click PC-A.**
2. Click **Desktop**.
3. Click **Command Prompt.**
4. At the prompt, click ? to list the available commands.
5. Enter **dir** to see the files on the PC. Notice that there is a sampleFile.txt file in the C:\ directory.

C: > **dir**
Volume in drive C has no label.
Volume Serial Number is 5E12-4AF3
Directory of C:\
12/31/1969 17:0 PM 26 sampleFile.txt
26 bytes 1 File(s)

Step 2: Connect to the FTP server

1. FTP to the FTP server at **209.165.200.226** or **ftp.pka**.

   C:\> **ftp 209.165.200.226**

Trying to connect...209.165.200.226
Connected to 209.165.200.226

2. Enter the username **student** and password **class** to gain access.

220- Welcome to PT Ftp server
Username:**student**
331- Username ok, need password
Password:
230- Logged in
(passive mode On)

Step 3: Upload a file to an FTP server

1. Enter ? to see the commands available in the ftp client.

   ftp> **?**
   ?
   cd
   delete
   dir
   get
   help
   passive
   put
   pwd
   quit
   rename
   ftp>

2. Enter **dir** to see the files available on the server.

   ftp> **dir**
   Listing /ftp directory from 192.168.1.3:
   0 : asa842-k8.bin 5571584
   1 : asa923-k8.bin 30468096
   2 : c1841-advipservicesk9-mz.124-15.T1.bin 33591768
   3 : c1841-ipbase-mz.123-14.T7.bin 13832032

3. Enter put sampleFile.txt to send the file to the server.

   ftp> **put sampleFile.txt**
   Writing file sampleFile.txt to 209.165.200.226:
   File transfer in progress..
   [Transfer complete - 26 bytes]
   26 bytes copied in 0.08 secs (325 bytes/sec)
   ftp>

4. Use the **dir** command again to list the contents of the FTP server to verify that the file has been uploaded to the FTP server.

Part 2: Download a file from an FTP server.

You can also download a file from an FTP server. In this part, you will rename the file sampleFile.txt and download it from the FTP server.

Step 1: Rename the file on an FTP server.

1. At the **ftp>** prompt, rename the file **sampleFile.txt** to **sampleFile_FTP.txt**.

   ftp> **rename sampleFile.txt sampleFile_FTP.txt**
   Renaming sampleFile.txt
   ftp>
   [OK Renamed file successfully from sampleFile.txt to sampleFile_FTP.txt]
   ftp>

2. At the **ftp>** prompt, enter **dir** to verify the file has been renamed.

Step 2: Download the file from the FTP server.

1. Enter the command **get sampleFile_FTP.txt** to retrieve the file from the server.

   ftp> **get sampleFile_FTP.txt**
   Reading file sampleFile_FTP.txt from 209.165.200.226:
   File transfer in progress...
   [Transfer complete - 26 bytes]
   26 bytes copied in 0.013 secs (2000 bytes/sec)
   ftp>

2. Enter **quit** to exit the FTP client when finished.
3. Display the contents of the directory on the PC again to see the image file from the FTP server

Step 3: Delete the file from the FTP server.

1. Log into the FTP server again to delete the file **sampleFile_FTP.txt**.
2. Enter the command to delete the file **sampleFile_FTP.txt** from the server.

What command did you use to remove the file from the FTP server?

Answer Area

ftp> delete sampleFile_FTP.txt
Hide Answer

1. Enter **quit** to exit the FTP client when finished.End of document