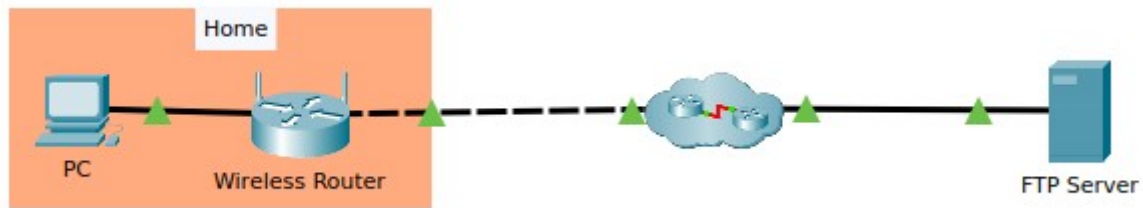# Packet Tracer - Use FTP Services – exercise from CISCO course

This is the topology:

Part 1: Upload a file to an FTP server.

Step 1: Locate the file.

- From PC command prompt we enter "dir" to display all the listed files and directories:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>dir

 Volume in drive C has no label.
 Volume Serial Number is 5E12-4AF3
 Directory of C:\

1/1/1970    3:0 PM              26          sampleFile.txt
              26 bytes          1 File(s)
C:\>
```

- We see the file named sampleFile.txt to be uploaded to the FTP server.

Step 2: Connect to the FTP server.

- Enter the command "ftp 209.165.200.226"to connect to the FTP server.

- Enter "student" as username and with the password given in the exercise.

```
C:\>ftp 209.165.200.226
Trying to connect...209.165.200.226
Connected to 209.165.200.226
220- Welcome to PT Ftp server
Username:student
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>
```

Step 3: Upload a file to an FTP server.

- Enter **?** to see the commands available in the ftp client.

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

- 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 0.254 secs (102 bytes/sec)
ftp>
```

- Use the dir command to list the contents of the FTP server and verify the uploaded file.

```
26  : ir800-universalk9-bundle.SPA.156-3.M.bin        160968869
27  : ir800-universalk9-mz.SPA.155-3.M                 61750062
28  : ir800-universalk9-mz.SPA.156-3.M                 63753767
29  : ir800_yocto-1.7.2.tar                             2877440
30  : ir800_yocto-1.7.2_python-2.7.3.tar               6912000
31  : pt1000-i-mz.122-28.bin                            5571584
32  : pt3000-i6q4l2-mz.121-22.EA4.bin                  3117390
33  : sampleFile.txt                                        26
ftp>
```

Part 2: Download a file from an FTP server.

Step 1: Rename the file on an FTP server.

- Use "rename" to 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>
```

- Enter dir to verify the file has been renamed.

```
29  : ir800_yocto-1.7.2.tar                             2877440
30  : ir800_yocto-1.7.2_python-2.7.3.tar               6912000
31  : pt1000-i-mz.122-28.bin                            5571584
32  : pt3000-i6q4l2-mz.121-22.EA4.bin                  3117390
33  : sampleFile_FTP.txt                                    26
ftp>
```

Step 2: Download the file from the FTP server.

- 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 secs
ftp>
```

Step 3: Delete the file from the FTP server.

- Enter the command to delete the file sampleFile_FTP.txt from the server.

```
ftp>delete sampleFile_FTP.txt

Deleting file sampleFile_FTP.txt from 209.165.200.226: ftp>
[Deleted file sampleFile_FTP.txt successfully ]
ftp>
```

- Let's display the FTP server content to see the file is no longer there:

```
26  : ir800-universalk9-bundle.SPA.156-3.M.bin          160968869
27  : ir800-universalk9-mz.SPA.155-3.M                  61750062
28  : ir800-universalk9-mz.SPA.156-3.M                  63753767
29  : ir800_yocto-1.7.2.tar                             2877440
30  : ir800_yocto-1.7.2_python-2.7.3.tar                6912000
31  : pt1000-i-mz.122-28.bin                            5571584
32  : pt3000-i6q4l2-mz.121-22.EA4.bin                   3117390
ftp>
```

Step 4: Quit the FTP server with command quit.

```
ftp>quit

221- Service closing control connection.
C:\>
```

Step 5: See if the downloaded file is in the PC with dir.

```
C:\>dir

 Volume in drive C has no label.
 Volume Serial Number is 5E12-4AF3
 Directory of C:\

1/1/1970    3:0 PM            26        sampleFile.txt
1/1/1970    3:0 PM            26        sampleFile_FTP.txt
              52 bytes            2 File(s)
C:\>
```