



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Discover. Learn. Empower.

Experiment :8

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Semester: 5th

Date of Performance:24-09-2024

Subject Name: Computer Networks

Subject Code: 22CSH-312

1. Aim/Objective-

Sharing of resources with two connected nodes with understanding of FTP-
Connecting Devices, Configuring Server IP address.

2. Requirements-

S/W Requirement :- Packet Tracer or NS2

H/W Requirement :- Processor , Main Memory (128 MB RAM) ,Hard Disk(
minimum 20 GB IDE Hard Disk), Removable Drives,
PS/2 HCL Keyboard and Mouse

3.Procedure-

Step 1: Build the network topology.

Step 2: Configure static IP addresses on the Laptop and the server.

Step 3: Now try using an FTP client built in the Laptop to send files to an FTP
server configured in the Server.

Step 4:From the Laptop's command prompt, FTP the server using the server IP
address by typing: ftp 192.168.1.2

Step 5:Provide the username(cisco) and password(cisco) [which are the
defaults] for ftp login.

Step 6: Create a file in the Laptop then upload it to the server using FTP.

Step 7:Now upload the file from the Laptop to the server using FTP. (An FTP
connection has to be started first.

Step 8: Once file upload is successful, go to the Server FTP directory to verify if the file sent has been received . To do this, go to Server-> Services->FTP. Here look for MyFile.txt sent from the laptop.

Step 9: Once the http directory is open, you can upload a file to the HTTP server. You're now uploading a file to an HTTP folder(directory) using FTP. For example: put MyFile.txt

3. Output-

```
ftp>
ftp>put MyFile.txt

Writing file MyFile.txt to 192.168.1.2:
File transfer in progress...

[Transfer complete - 47 bytes]

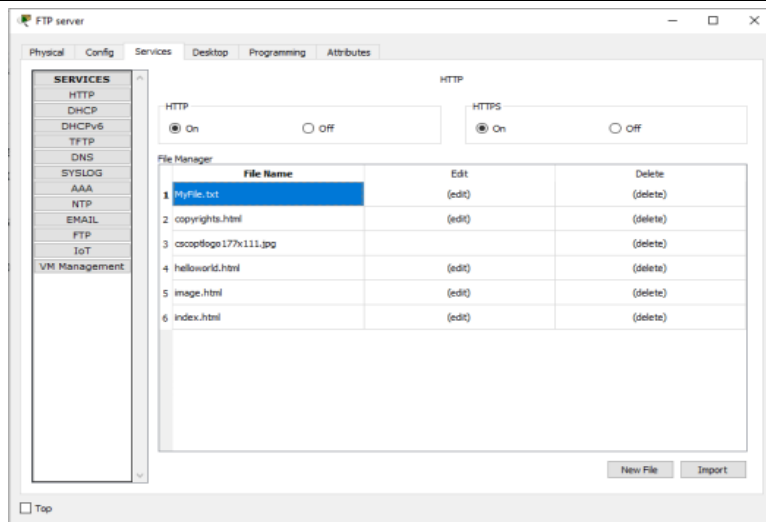
47 bytes copied in 0.023 secs (2043 bytes/sec)
ftp>

ftp>cd /http
ftp>
Working directory changed to /http successfully
ftp>put MyFile.txt

Writing file MyFile.txt to 192.168.1.2:
File transfer in progress...

[Transfer complete - 47 bytes]

47 bytes copied in 0.01 secs (4700 bytes/sec)
```



4. Learning Outcomes-

1. Understand the setup and configuration of file transfer protocol.
2. Learn to use Cisco Packet Tracer to simulate different network designs.
3. Gain practical skills in configuring network devices and analyzing their connectivity.