



Green University of Bangladesh

Dept. of CSE

Course Title: Computer Networking Lab

Lab Report-02

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Semester : 8th		Green University Of Bangladesh	
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2) Experiment Name: Demonstrate the configuration of FTP server in simulation and real environment.

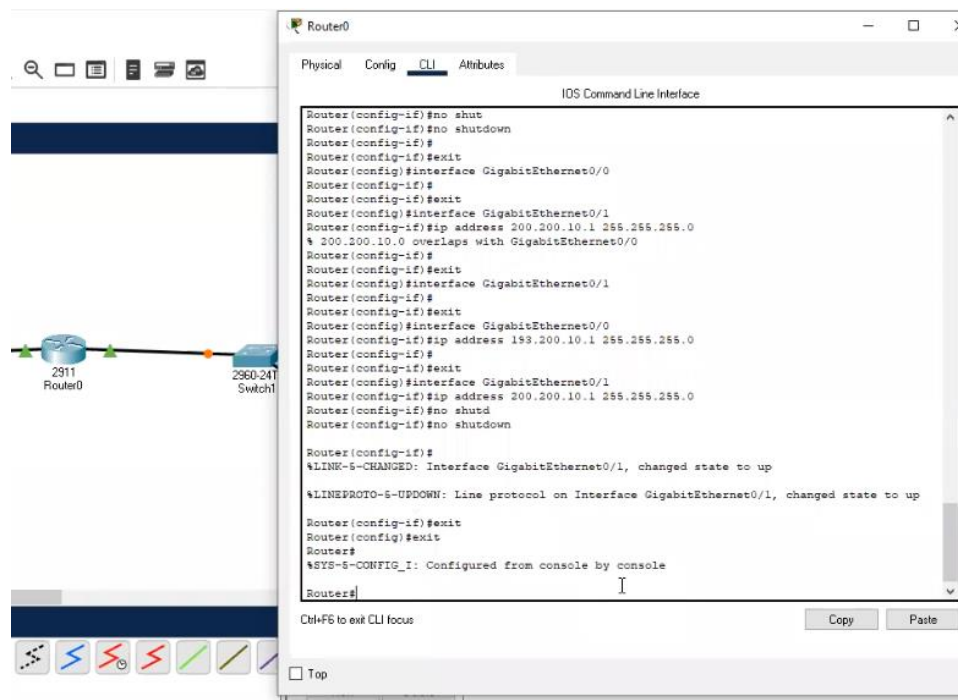
OBJECTIVES:

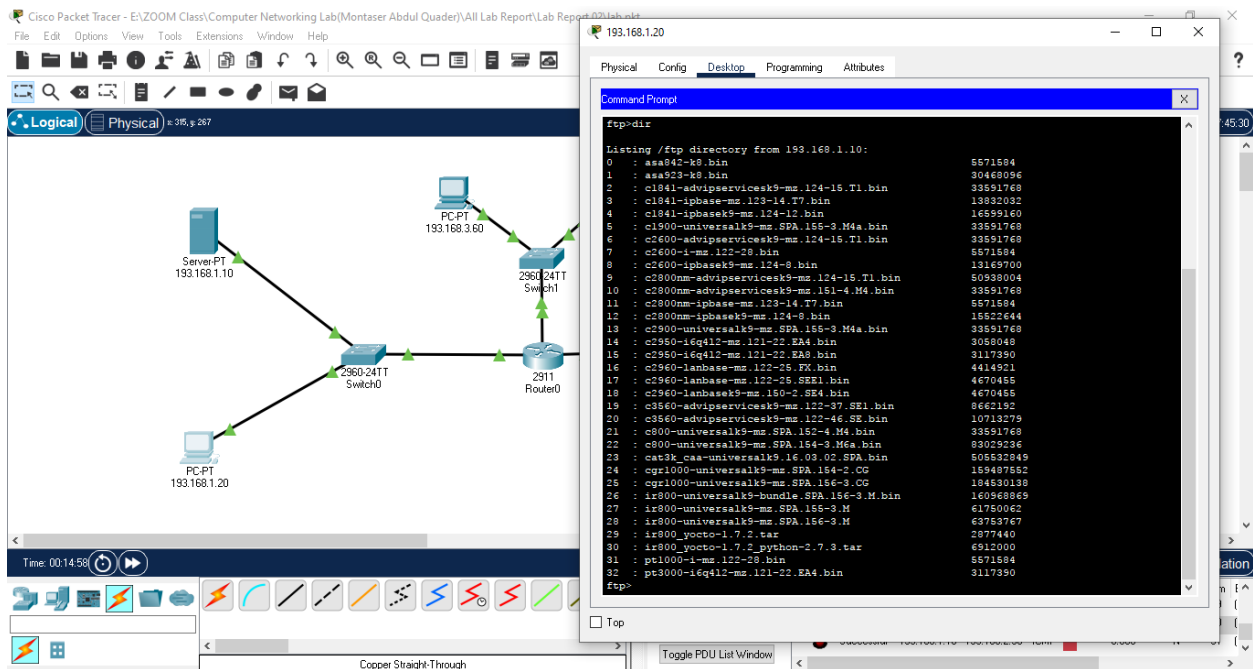
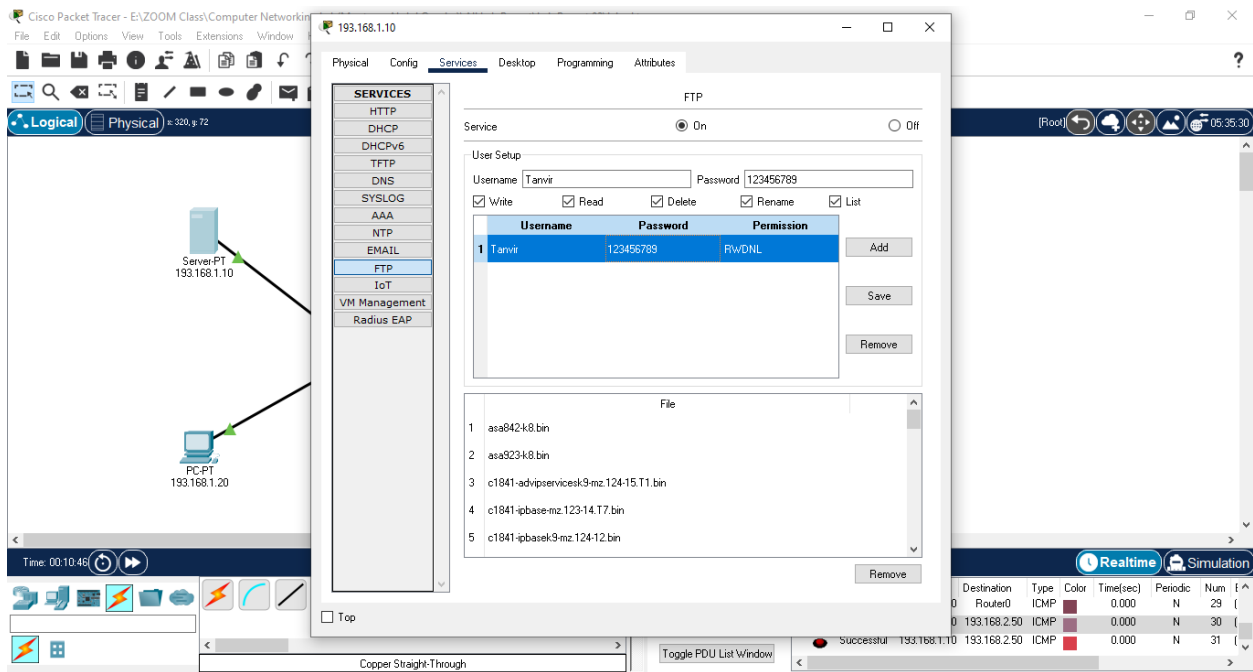
FTP is a standard network protocol built on a client-server model architecture for transferring computer files between a server and a client. It also can be used to backup and restore router configuration. To use FTP in Packet Tracer, its service must be enabled first. Then, a username, password, and permission (write, read, rename, delete, and list) have to be created.

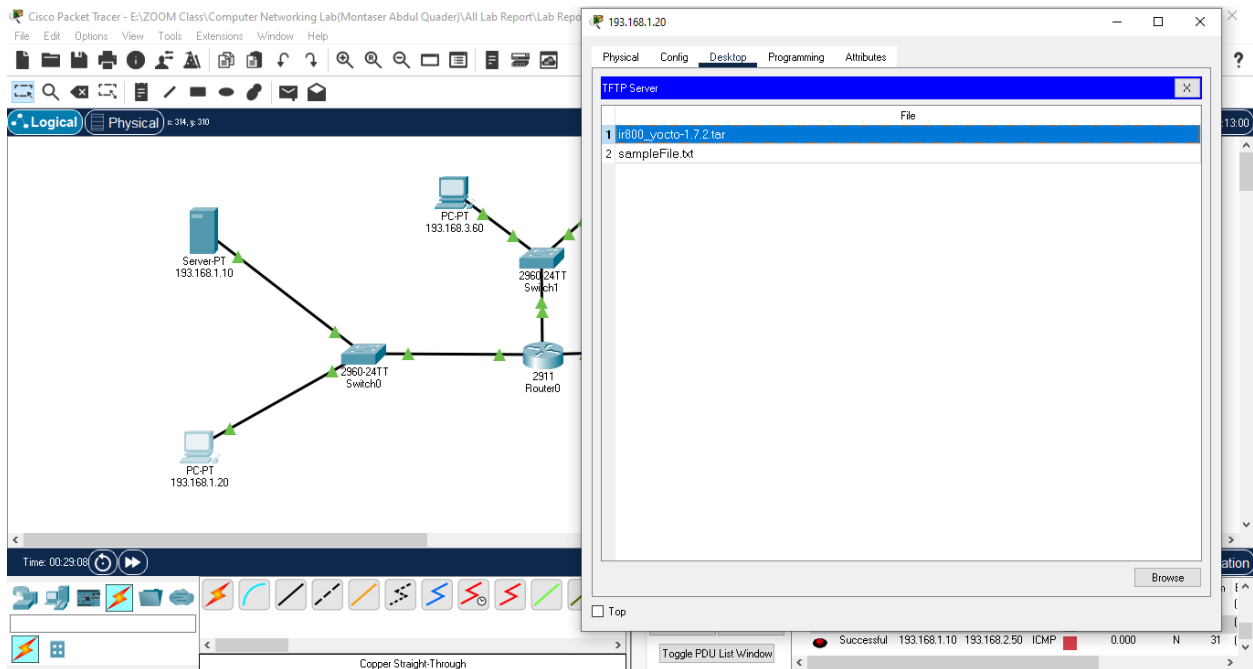
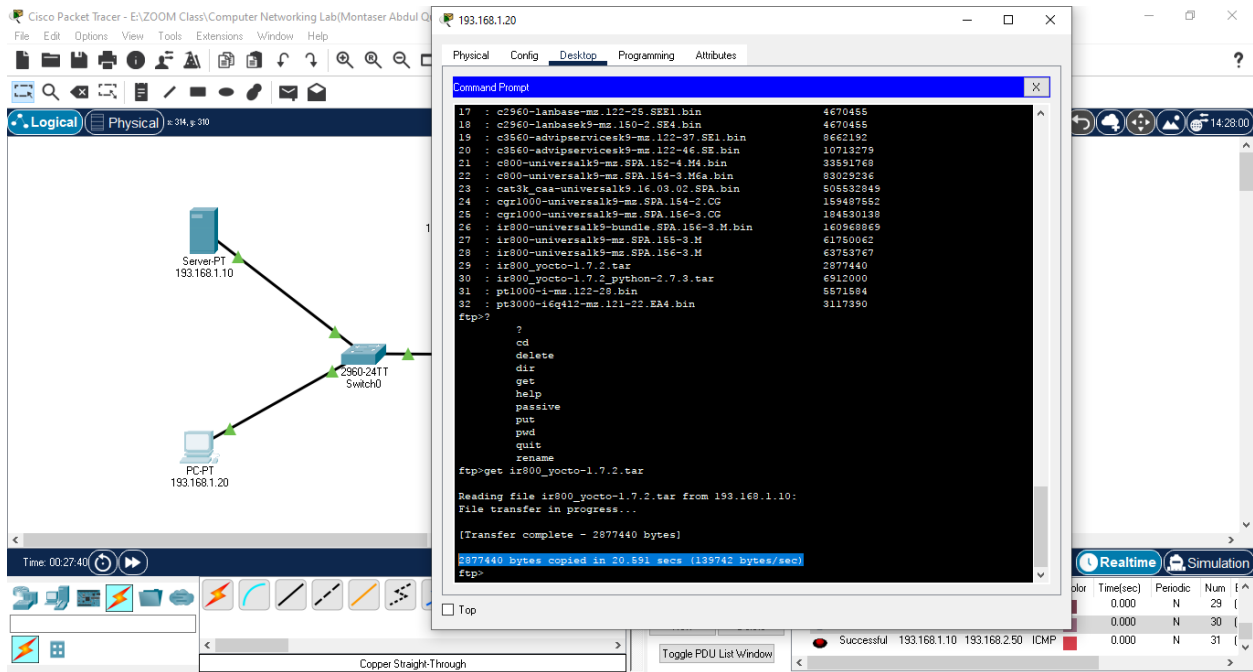
FTP provides a mechanism for single or multiple file transfers between computer systems, when written in lowercase as “ftp,” it is also the name of the client software used to access the FTP server running on the remote host. The FTP package provides all the tools needed to look at files and directories, change to other directories, and transfer text and binary files from one system to another.

DESIGN:

Simulation by cisco packet tracer:







Cisco Packet Tracer - EAZOOM Class(Computer Networking Lab)(Montaser Abdul Quader)\All Lab Report(Lab Report)

File Edit Options View Tools Extensions Window Help

Logical Physical 394,930

ServerPT 193.168.1.10

PCPT 193.168.1.20

PCPT 193.168.3.60

2960-24TT Switch0

2960-24TT Switch1

2911 Router0

Time: 00:33:35

Copper Straight-Through

Toggle PDU List Window

193.168.1.20

Physical Config Desktop Programming Attributes

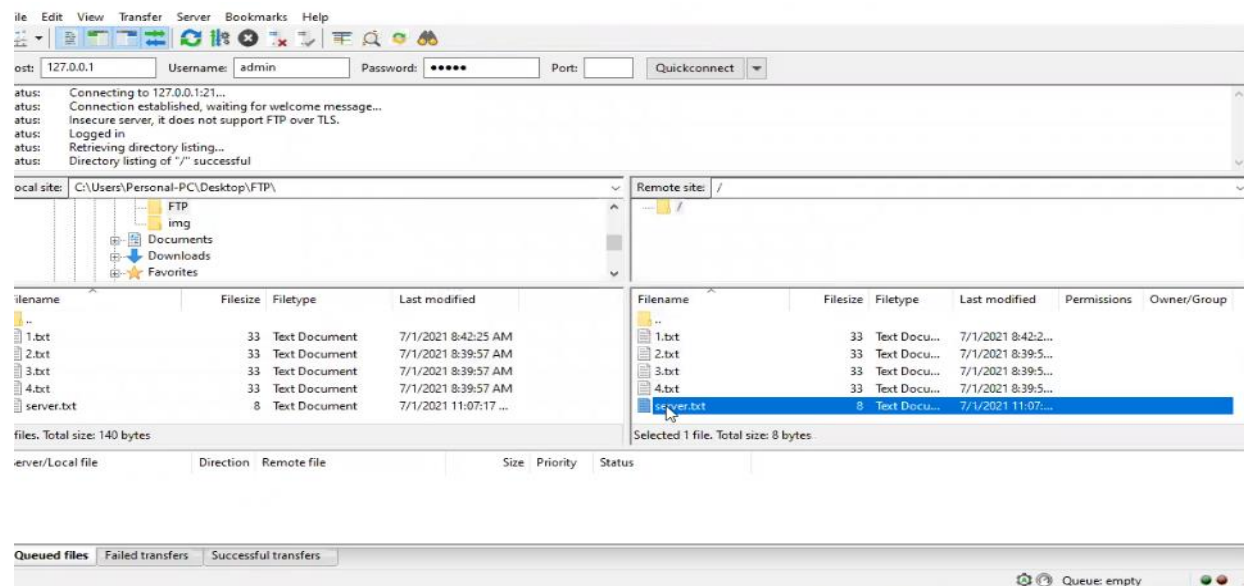
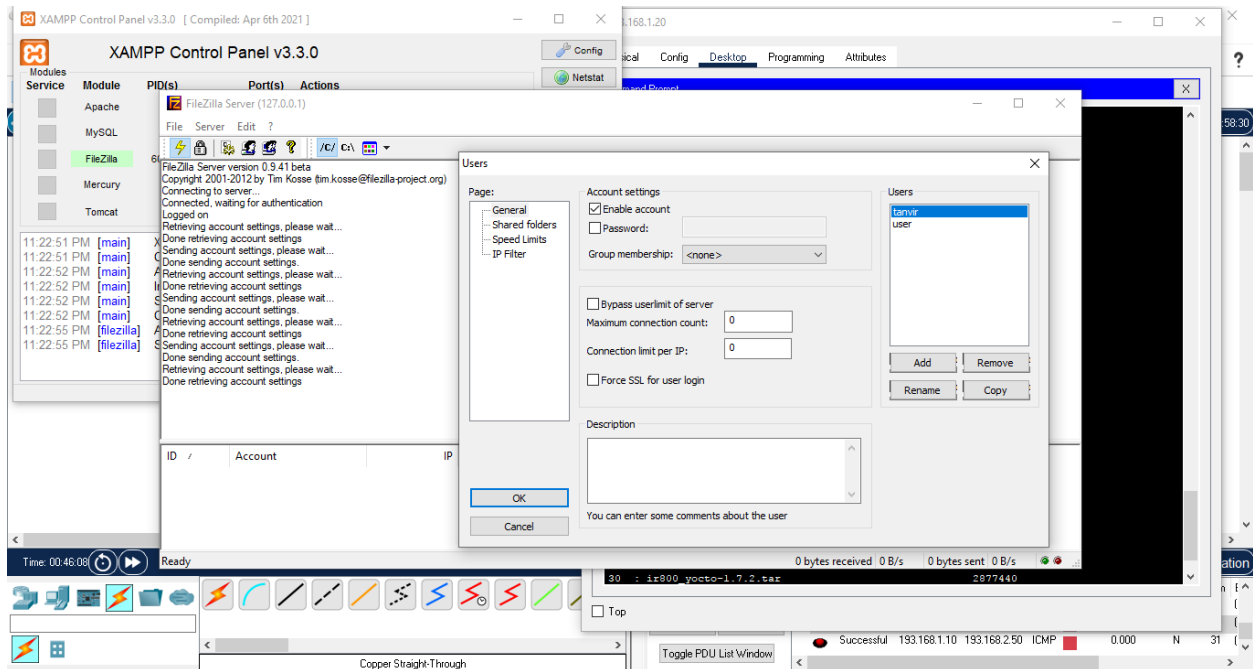
Command Prompt

```
(Transfer complete - 11 bytes)
11 bytes copied in 0.078 secs (141 bytes/sec)
ftp>dir

Listing /ftp directory from 193.168.1.10:
 0 : Upload.txt                               11
 1 : asa942-k8.bin                           5571584
 2 : asa923-k8.bin                           30468096
 3 : c1841-adviserservicesk9-ms.124-15.T1.bin 33591768
 4 : c1841-ipbase-ms.123-14.T7.bin           13832032
 5 : c1841-ipbasek9-ms.124-12.bin            16599160
 6 : c1900-universalk9-ms.SPA.155-3.M4a.bin  33591768
 7 : c2600-adviserservicesk9-ms.124-15.T1.bin 33591768
 8 : c2600-i-ms.122-28.bin                   5571584
 9 : c2600-ipbasek9-ms.124-9.bin             13145700
10 : c2800nm-adviserservicesk9-ms.124-15.T1.bin 50938004
11 : c2800nm-adviserservicesk9-ms.151-4.M4.bin 33591768
12 : c2800nm-ipbase-ms.123-14.T7.bin         5571584
13 : c2800nm-ipbasek9-ms.124-9.bin           15225444
14 : c2900-universalk9-ms.SPA.155-3.M4a.bin  33591768
15 : c2950-16q412-ms.121-22.EA4.bin         3058048
16 : c2950-16q412-ms.121-22.EA8.bin         3117390
17 : c2960-lanbase-ms.122-25.FX.bin          4414521
18 : c2960-lanbase-ms.122-25.SEX1.bin        4670455
19 : c2960-lanbasek9-ms.150-2.SK4.bin        4670455
20 : c3560-adviserservicesk9-ms.122-37.SE1.bin 8662192
21 : c3560-adviserservicesk9-ms.122-46.SE1.bin 10713279
22 : c800-universalk9-ms.SPA.152-4.M4a.bin   33591768
23 : c800-universalk9-ms.SPA.154-3.M6a.bin   89029235
24 : cat9k_cat-universalk9.16.09.0C.SPA.bin  50552249
25 : cgr1000-universalk9-ms.SPA.154-2.CO     159487552
26 : cgr1000-universalk9-ms.SPA.156-3.CO     184530138
27 : lr300-universalk9-bundle.SPA.156-3.M.bin 160968869
28 : lr300-universalk9-ms.SPA.155-3.M        61750062
29 : lr300-universalk9-ms.SPA.156-3.M        62752767
30 : lr300_vpc-to-1.7.2.tar                 2877440
```

Successful 193.168.1.10 193.168.2.50 ICMP 0.000 N 31

Simulation in real environment by FileZilla:



IMPLEMENTATION:

Router Configuration:

- 1) CLI mode
- 2) Configuration GigabitEthernet0/0, GigabitEthernet0/1 and GigabitEthernet0/2
- 3) All PC ID address setup

Server Setup by FTP:

- 1) User name: Tanvir
- 2) Password: 123456789
- 3) Read, Write, Delete, Rename, List All option allowed for Tanvir.

Command Prompt:

- 1) Select a PC for file transfer.
- 2) 1st command ftp-> 193.168.1.10(server IP address)
- 3) Username, Password logged in ftp server.
- 4) Now dir enter and show all file list
- 5) Delete command for file delete
- 6) Get command for file download
- 7) Put command for file upload
- 8) Rename command for file name change

Simulation in real environment by FileZilla:

- 1) XAMPP open and FileZilla start.
- 2) Two user add Admin and Tanvir
- 3) Admin all permission allowed.
- 4) Home directory select
- 5) Now FileZilla Software Open

FileZilla:

- 1) Host: 127.0.0.1
- 2) Username: Admin
- 3) Password: 123456789
- 4) Port: 21 and Quick Connect
- 5) Now open cmd mode

Command Prompt:

- 1) dir command and show all file list
- 2) ftp server connect and user: admin
- 3) Now dir enter and shoe all file list
- 4) Delete commend for file delete
- 5) Get commend for file download
- 6) Put commend for file upload
- 7) Rename commend for file name change

Thank You