

# CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, PUNE.

STUDENT'S ROLL NO. :

3330



	Assignment 4
	1. C. F. la Valord
	Aim - Configuring FTP Server for File Upload/ Download using Cisco Packet Tracer
	A construction of the second s
10	Introduction of FTP Protocol-
	Pile Transfer Protocol is an application layer protocol that moves files between local and remote file systems. It runs on the top of TCP like HTTP. To transfer a file, 2 TCP connections are used by FTP in parallel: control connection and data connection.  For sending control information like user's identification, password, commands to change remote directory, commands to retrieve and store file; FTP makes use of control connection.  The control connection is initiated on port 21.
	For sending actual data file, FTP makes use of data connection. A data connection is initiated
	data connection. A data connection is inhaled on port 20,
	en fort 20,
2.	Significance of Port Numbers Used by FIP
	Protocol - V
	In terms of FTP, ports are communication
	endpoints Ports allow connection and transfer
	endpoints Ports allow compection and transfer of data to happen between your computer and a server.

To connect to a specific server, you need to know the server's IP address.  While IP address identifies server port nos are numbers which are used at a lower level to specify what application service on the server you are trying to communicate with.  FTP has been officially assigned ports 20 and 2).  A data connection is initiated on port number 20. The control connection is initiated on port number 21.				
	FTP & TFTP Protocol.			
Stands for File Transfer Protocol  Software of FTP is larger than that of TFTP.	Stands For Trivial File Transfer Protocol.  Software of TFTP is smaller than that of FTP			
FTP works on 2 ports -> 20 and 21.	TFTP works on port 69.  TFTP Services are			
FTP services are provided by TCP.	provided by UPP.			

"शीलं परं **भूषणम्**"

## M. K. S. S. S. CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, PUNE.

STUDENT'S ROLL NO. :

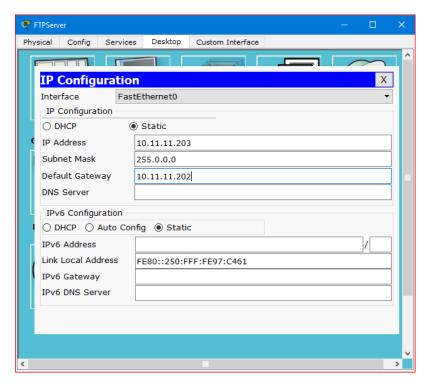
3330



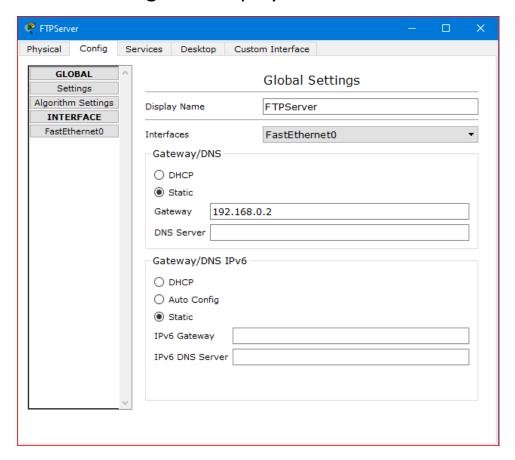
		2200	Cummin:
	FTP	TETP	
->	Complexity is higher than TFTP.	Complexity Than that	
$\rightarrow$	There are many commands/messages in FTP.	There are messages in	only 5 TFTP.
	in FTP.	7.10,330	
$\rightarrow$	Needs authentication for communication	Does not n	ed .
	for communication	communical	ion for
$\rightarrow$	Generally used for	Mairly used of transmission	for
	Generally used for uploading of files by There wers.	configuration from retwork	u +0 f
	files by J P remote users.	from retwork	deires.

# 3.Steps for configuring FTP server

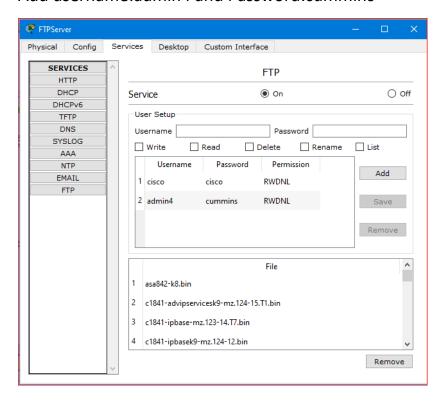
#### **Server Configurations**



### You can change the display name of the server



#### Add username:admin4 and Password:cummins



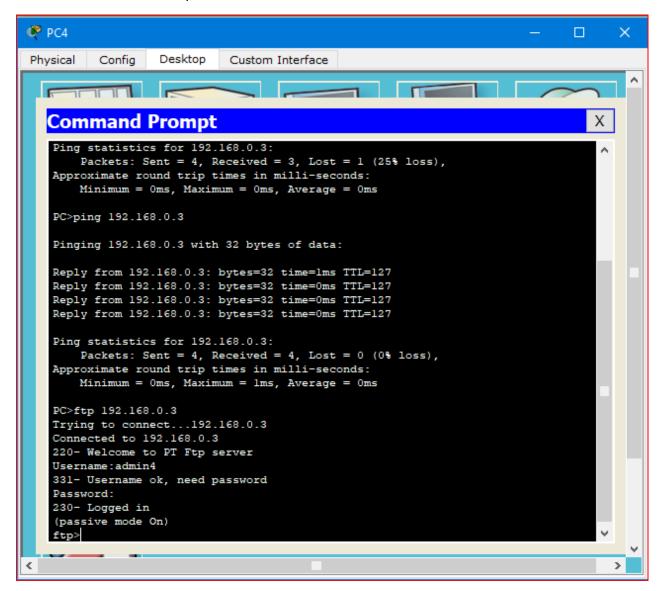
#### 4. Steps to connect to FTP server

Ping server from PC4

```
Physical
                   Config
                                    Desktop Custom Interface
     Command Prompt
      Packet Tracer PC Command Line 1.0 PC>ping 192.168.0.3
       Pinging 192.168.0.3 with 32 bytes of data:
      Request timed out.
Reply from 192.168.0.3: bytes=32 time=0ms TTL=127
Reply from 192.168.0.3: bytes=32 time=0ms TTL=127
Reply from 192.168.0.3: bytes=32 time=0ms TTL=127
       Ping statistics for 192.168.0.3:
       Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
       PC>ping 192.168.0.3
       Pinging 192.168.0.3 with 32 bytes of data:
      Reply from 192.168.0.3: bytes=32 time=1ms TTL=127 Reply from 192.168.0.3: bytes=32 time=0ms TTL=127 Reply from 192.168.0.3: bytes=32 time=0ms TTL=127 Reply from 192.168.0.3: bytes=32 time=0ms TTL=127
      Ping statistics for 192.168.0.3:
        Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
                                                                                                                                                                 >
```

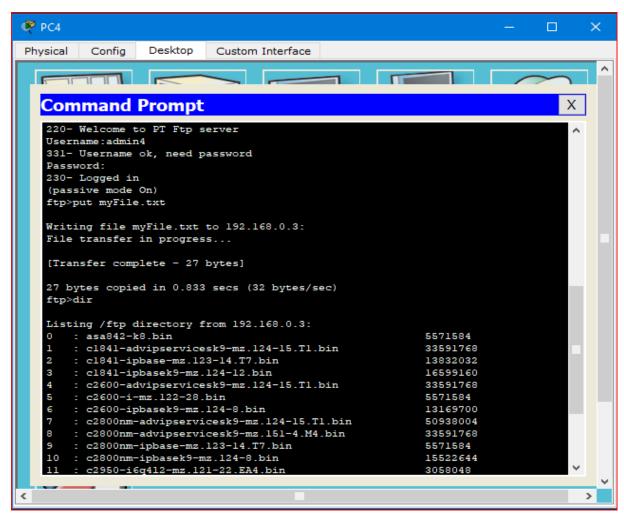
use command ftp serverIPAdress

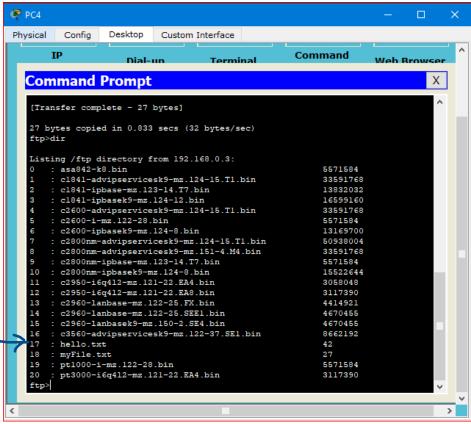
then enter username and password



#### 5.FTP commands for uploading and downloading files

Use command put to upload file myFile.txt from PC4 To Server Check if file is uploaded using dir





To download file from Server on PC5 use get myFile.txt

```
PC5
                                                                             ×
Physical
          Config
                  Desktop
                            Custom Interface
  Command Prompt
   PC>ping 192.168.0.3
   Pinging 192.168.0.3 with 32 bytes of data:
   Reply from 192.168.0.3: bytes=32 time=1ms TTL=127
   Reply from 192.168.0.3: bytes=32 time=0ms TTL=127
   Reply from 192.168.0.3: bytes=32 time=0ms TTL=127
   Reply from 192.168.0.3: bytes=32 time=0ms TTL=127
   Ping statistics for 192.168.0.3:
      Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 0ms, Maximum = 1ms, Average = 0ms
   PC>ftp 192.168.0.3
   Trying to connect...192.168.0.3
   Connected to 192.168.0.3
   220- Welcome to PT Ftp server
   Username:admin4
   331- Username ok, need password
   Password:
   230- Logged in
   (passive mode On)
   ftp>get myFile.txt
   Reading file myFile.txt from 192.168.0.3:
   File transfer in progress...
```

## 6. Topology Diagram

