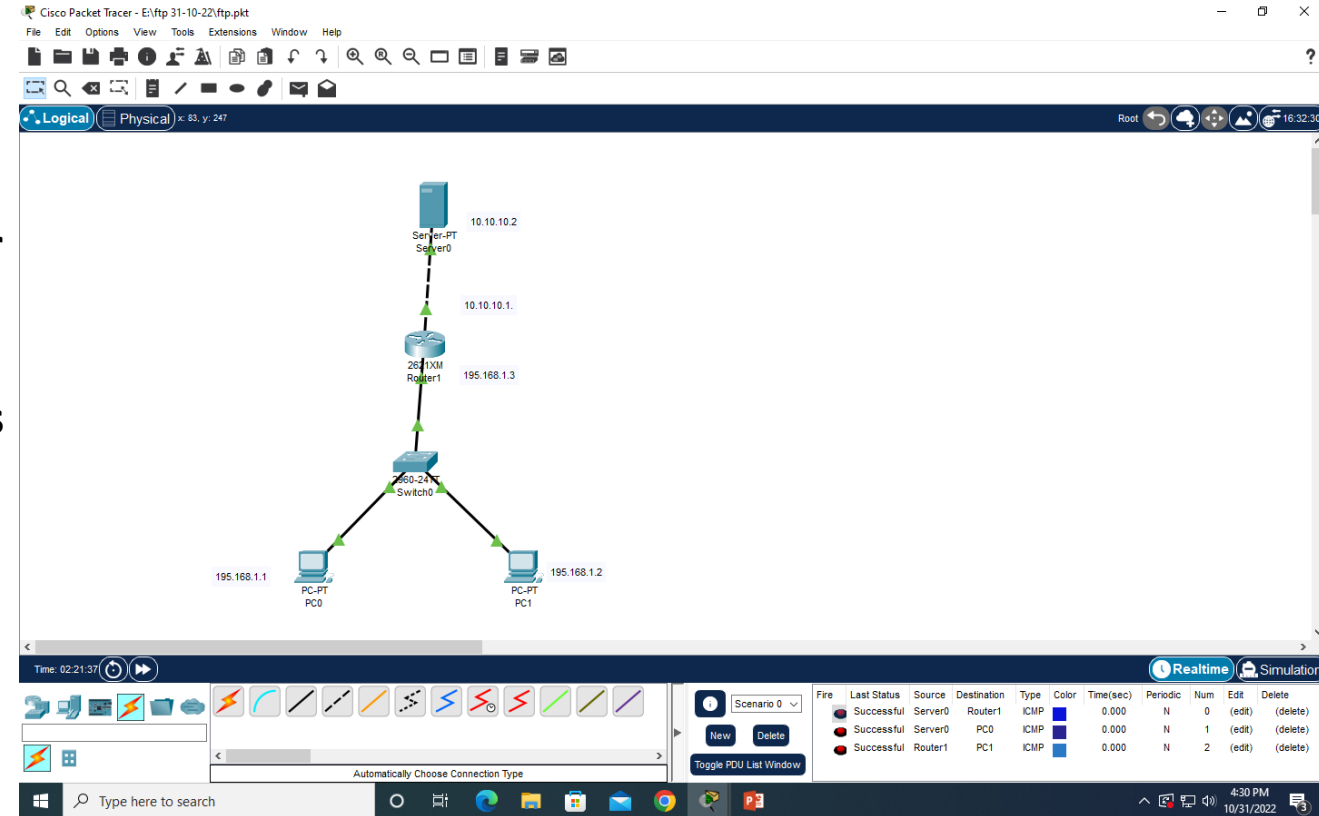


FTP (File Transfer Protocol)

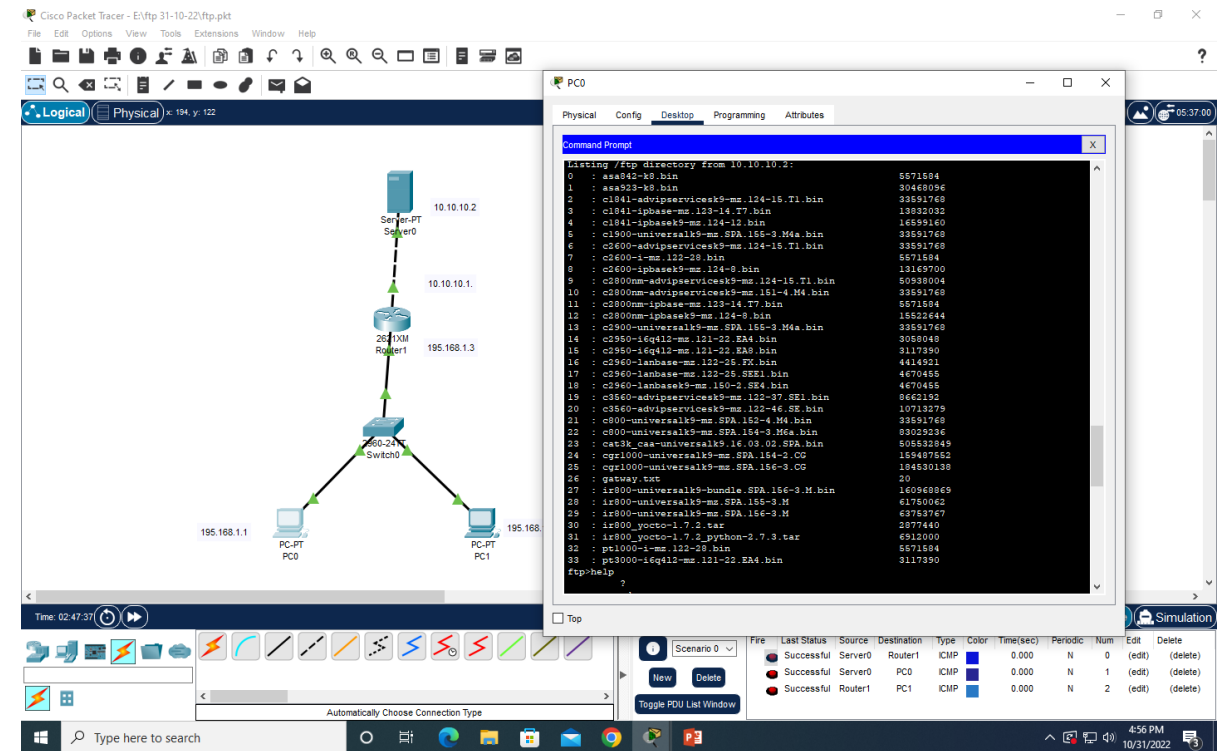
❖ What is FTP (File Transfer Protocol)?

FTP (File Transfer Protocol) is a network protocol for transmitting files between computers over Transmission Control Protocol/Internet Protocol (TCP/IP) connections. Within the TCP/IP suite, FTP is considered an application layer protocol.

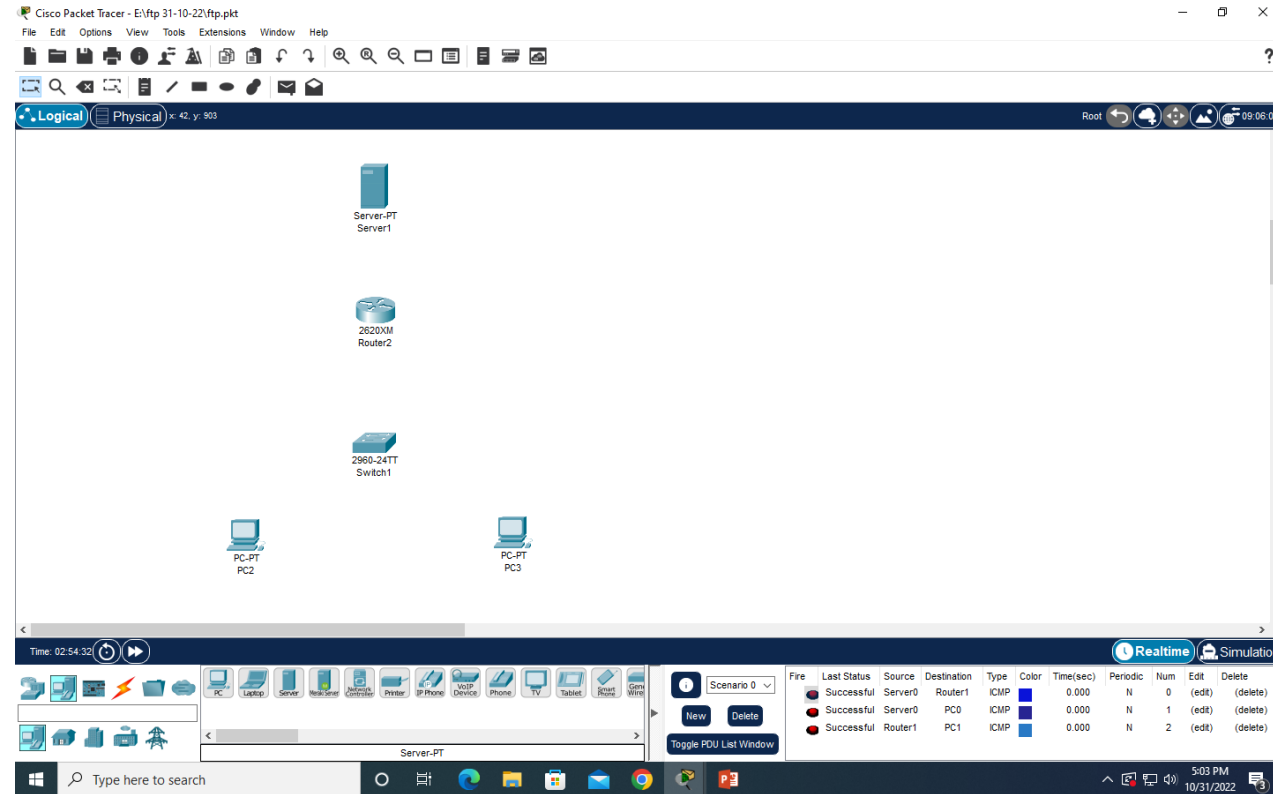


❖ *Why is FTP important and what is it used for?*

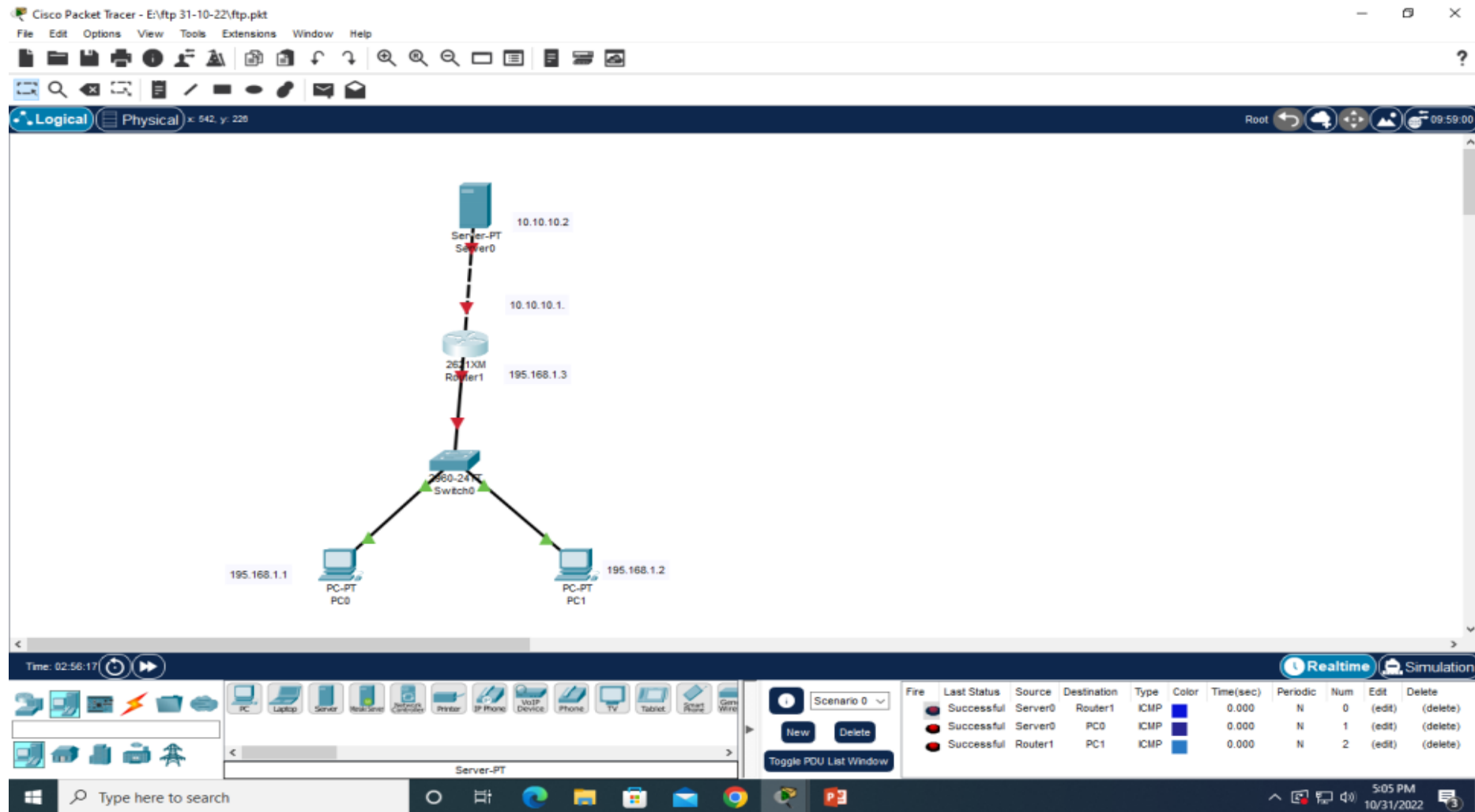
FTP is a standard network protocol that can enable expansive file transfer capabilities across IP networks. Without FTP, file and data transfer can be managed with other mechanisms -- such as email or an HTTP web service -- but those other options lack the clarity of focus, precision and control that FTP enables



- *We take first two pc , one switch ,one router and one server*



- *All devices connect to wire and Ip configuration*



- **First router configuration faster Ethernet 0/0 and 0/1**
- **And on the port status**
- **Ip config – 10.10.10.1**
- **Sub mask is automatic**

Cisco Packet Tracer - E:\ftp 31-10-22\ftp.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 1078, y: 120

Router1

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0060.5C90.7601

IP Configuration

IPv4 Address 10.10.10.1

Subnet Mask 255.0.0.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
```

195.168.1.1

PC-PT

PC0

Time: 03:01:41

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Server0	Router1	ICMP	Blue	0.000	N	0	(edit)	(delete)	
Successful	Server0	PC0	ICMP	Blue	0.000	N	1	(edit)	(delete)	
Successful	Router1	PC1	ICMP	Blue	0.000	N	2	(edit)	(delete)	

Server-PT

Type here to search

5:10 PM 10/31/2022

- First router configuration faster Ethernet 0/1 and 0/2
- And on the port status
- Ip config – 10.10.10.1
- Sub mask is automatic

Cisco Packet Tracer - E:\ftp 31-10-22\ftp.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 269, y: 180

Router1

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/1

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0060.5C90.7602

IP Configuration

Pv4 Address 195.168.1.3

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to administratively down
no shutdown
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
```

Time: 03:09:02

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Server0	Router1	ICMP		0.000	N	0	(edit)	(delete)	
Successful	Server0	PC0	ICMP		0.000	N	1	(edit)	(delete)	
Successful	Router1	PC1	ICMP		0.000	N	2	(edit)	(delete)	

5:16 PM 10/31/2022

- *Pc0 to switch configuration
Ip address is -
192.168.1.2*
- *And subnet mask is
automatic*
- *And default gateway –
192.168.0.1*

Cisco Packet Tracer - E:\ftp 31-10-22\ftp.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 199, y: 165

PC0 Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 195.168.1.1

Subnet Mask: 255.255.255.0

Default Gateway: 195.168.1.3

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::260:2FFF:FE5A:631D

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MDS

Username:

Password:

☐ Top

Time: 00:04:59

Realtime Simulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	--	Server0	Router1	ICMP	Blue	0.000	N	0	(edit)	(delete)
	--	Server0	PC0	ICMP	Blue	0.000	N	1	(edit)	(delete)
	--	Router1	PC1	ICMP	Blue	0.000	N	2	(edit)	(delete)

Router-PT-Empty

Type here to search

10:22 AM 11/1/2022

- *Pc0 to switch configuration*
- *Ip address is -192.168.1.3*
- *And subnet mask is automatic*
- *And default gateway – 192.168.0.1*

Cisco Packet Tracer - E:\ftp 31-10-22\ftp.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 609, y: 409

PC Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 195.168.1.2

Subnet Mask: 255.255.255.0

Default Gateway: 195.168.1.3

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::201:96FF:FE44:1307

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MDS

Username:

Password:

Time: 00:17:36

Scenario 0

New Delete

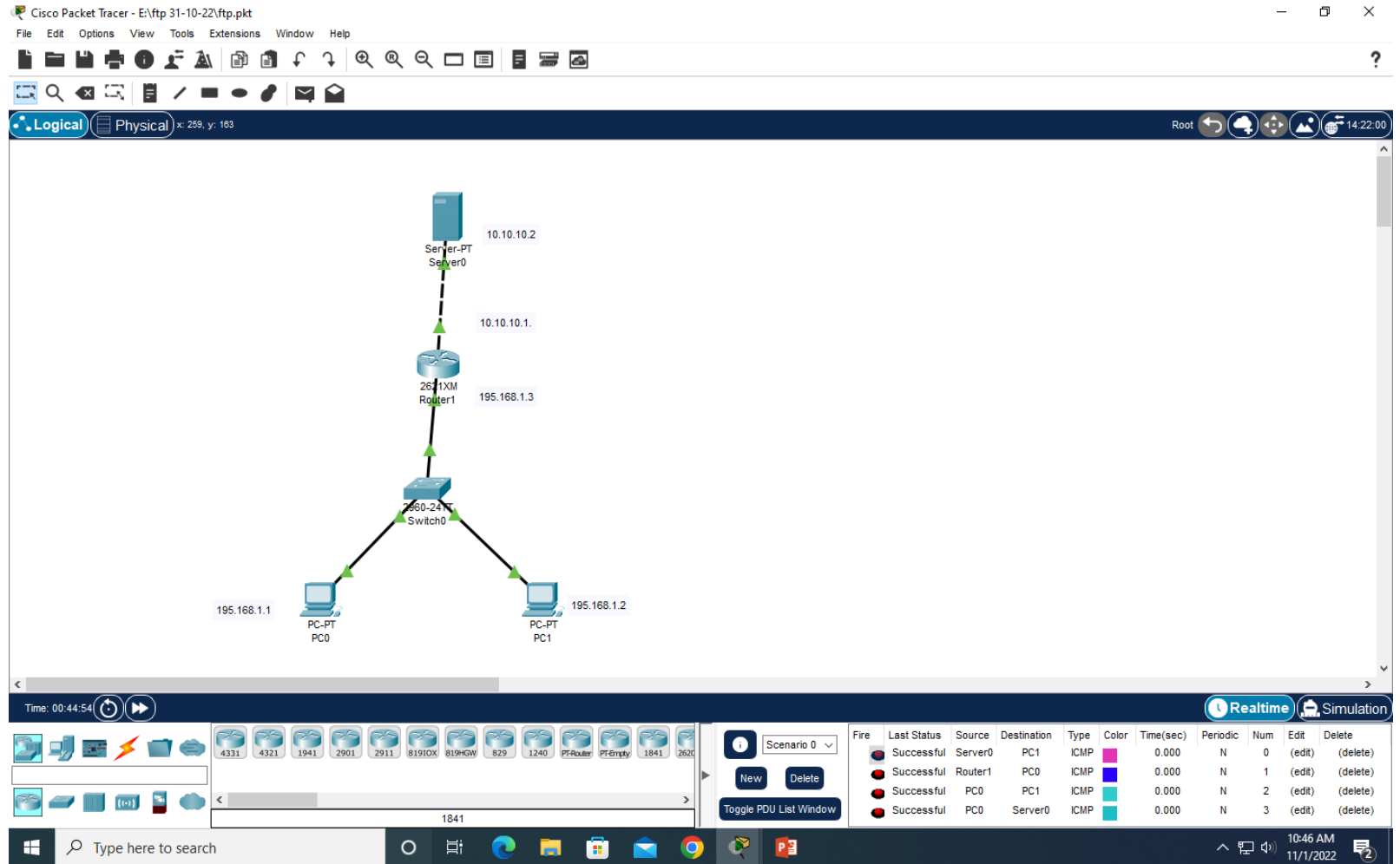
Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
●	--	Server0	Router1	ICMP	Blue	0.000	N	0	(edit)	(delete)
●	--	Server0	PC0	ICMP	Blue	0.000	N	1	(edit)	(delete)
●	--	Router1	PC1	ICMP	Blue	0.000	N	2	(edit)	(delete)

1841

10:34 AM 11/1/2022

- *We cheack all system configuration write or wrong*



■ *We check system data pass or lost*

Cisco Packet Tracer - E:\ftp 31-10-22\ftp.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 596, y: 219

Server-PT
Server0
10.10.10.2

2601XM
Router1
10.10.10.1
195.168.1.3

2660-24
Switch0

195.168.1.1
PC-PT
PC0

195.168.1.2
PC-PT
PC1

Time: 00:48:19

Realtime Simulation

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
●	Successful	Server0	PC1	ICMP	■	0.000	N	0	(edit)	(delete)
●	Successful	Router1	PC0	ICMP	■	0.000	N	1	(edit)	(delete)
●	Successful	PC0	PC1	ICMP	■	0.000	N	2	(edit)	(delete)
●	Successful	PC0	Server0	ICMP	■	0.000	N	3	(edit)	(delete)

Type here to search

10:50 AM
11/1/2022

PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 195.168.1.1

Pinging 195.168.1.1 with 32 bytes of data:

Reply from 195.168.1.1: bytes=32 time=6ms TTL=128
Reply from 195.168.1.1: bytes=32 time<1ms TTL=128
Reply from 195.168.1.1: bytes=32 time=11ms TTL=128
Reply from 195.168.1.1: bytes=32 time=9ms TTL=128

Ping statistics for 195.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 11ms, Average = 6ms

C:\>
```

- ❖ *We click server and*
- ❖ *go ftp and*
- ❖ *create a user*
- ❖ *name –*
- ❖ *gabbar*
- ❖ *password - 123*

Cisco Packet Tracer - E:\ftp 31-10-22\ftp.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 313, y: 37

Server-PT Server0 10.10.10.2

2601XM Router1 10.10.10.1

2600-24-T Switch0 195.168.1.3

PC-PT PC0 195.168.1.1

PC-PT PC1 195.168.1.2

Server0

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

FTP

Service ☒ On ☐ Off

User Setup

Username Password

☐ Write ☐ Read ☐ Delete ☐ Rename ☐ List

	Username	Password	Permission	
1	cisco	cisco	RWDNL	Add
2	gabbar	123	RWDNL	Save
				Remove

File

- 1 asa842-k8.bin
- 2 asa923-k8.bin
- 3 c1841-advipservicesk9-mz.124-15.T1.bin
- 4 c1841-ipbase-mz.123-14.T7.bin
- 5 c1841-ipbasek9-mz.124-12.bin

Remove

☐ Top

Time: 00:30:45

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

ISR4321

10:41 AM 11/1/2022

- *After we go pc0 and click test editor*
- *and file create hello and file save*
- *File name hello.txt*

Cisco Packet Tracer - E:\ftp 31-10-22\ftp.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 578, y: 334

Server-PT Server0 10.10.10.2

2601XM Router1 195.168.1.3

2600-24 Switch0

PC-PT PC0 195.168.1.1

PC-PT PC1 195.168.1.2

PC0

Text Editor

File

hello
we'll come to india

Time: 00:57:46

Realtime Simulation

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Server0	PC1	ICMP		0.000	N	0	(edit)	(delete)	
Successful	Router1	PC0	ICMP		0.000	N	1	(edit)	(delete)	
Successful	PC0	PC1	ICMP		0.000	N	2	(edit)	(delete)	
Successful	PC0	Server0	ICMP		0.000	N	3	(edit)	(delete)	

Type here to search

10:59 AM 11/1/2022

*And we go pc0 and
click run and
■ Cheack file dir*

Cisco Packet Tracer - E:\ftp 31-10-22\ftp.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 308, y: 114

Server-PT
Server0
10.10.10.2

2611XM
Router1
10.10.10.1

2600-24T
Switch0
195.168.1.3

PC-PT
PC0
195.168.1.1

PC-PT
PC1
195.168.1.2

Time: 01:05:21

PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
Usage: ftp target  
C:\>  
C:\>dir  
  
Volume in drive C has no label.  
Volume Serial Number is SE12-4AF3  
Directory of C:\  
  
1/1/1970  5:30 PM      20      gateway.txt  
1/1/1970  5:30 PM      20      hello.txt  
1/1/1970  5:30 PM      26      sampleFile.txt  
               66 bytes      3 File(s)  
  
C:\>dir  
  
Volume in drive C has no label.  
Volume Serial Number is SE12-4AF3  
Directory of C:\  
  
1/1/1970  5:30 PM      20      gateway.txt  
1/1/1970  5:30 PM      20      hello.txt  
1/1/1970  5:30 PM      26      sampleFile.txt  
               66 bytes      3 File(s)  
  
C:\>clear  
Invalid Command.  
  
C:\>dir  
  
Volume in drive C has no label.  
Volume Serial Number is SE12-4AF3  
Directory of C:\  
  
1/1/1970  5:30 PM      20      gateway.txt  
1/1/1970  5:30 PM      20      hello.txt  
1/1/1970  5:30 PM      26      sampleFile.txt  
               66 bytes      3 File(s)  
  
C:\>
```

Top

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
●	Successful	Server0	PC1	ICMP	■	0.000	N	0	(edit)	(delete)
●	Successful	Router1	PC0	ICMP	■	0.000	N	1	(edit)	(delete)
●	Successful	PC0	PC1	ICMP	■	0.000	N	2	(edit)	(delete)
●	Successful	PC0	Server0	ICMP	■	0.000	N	3	(edit)	(delete)

Router-PT

Type here to search

11:07 AM
11/1/2022

- *And we ftp server file load and command is ftp 10.10.10.2*

Cisco Packet Tracer - E:\ftp 31-10-22\ftp.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 617, y: 398

Server-PT Server0 10.10.10.2

2601XM Router1 10.10.10.1

2960-24T Switch0 195.168.1.3

PC-PT PC0 195.168.1.1

PC-PT PC1 195.168.1.2

Time: 01:10:16

Scenario 0

New Delete Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Server0	PC1	ICMP		0.000	N	0	(edit)	(delete)	
Successful	Router1	PC0	ICMP		0.000	N	1	(edit)	(delete)	
Successful	PC0	PC1	ICMP		0.000	N	2	(edit)	(delete)	
Successful	PC0	Server0	ICMP		0.000	N	3	(edit)	(delete)	

PC0

Physical Config Desktop Programming Attributes

Command Prompt

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

1/1/1970   5:30 PM           20      gateway.txt
1/1/1970   5:30 PM           20      hello.txt
1/1/1970   5:30 PM           26      sampleFile.txt
               66 bytes          3 File(s)

C:\>dir

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

1/1/1970   5:30 PM           20      gateway.txt
1/1/1970   5:30 PM           20      hello.txt
1/1/1970   5:30 PM           26      sampleFile.txt
               66 bytes          3 File(s)

C:\>clear
Invalid Command.

C:\>dir

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

1/1/1970   5:30 PM           20      gateway.txt
1/1/1970   5:30 PM           20      hello.txt
1/1/1970   5:30 PM           26      sampleFile.txt
               66 bytes          3 File(s)

C:\>ftp 10.10.10.2
Trying to connect...10.10.10.2
Connected to 10.10.10.2
220- Welcome to PT Ftp server
Username:gabbar
331- Username ok, need password
```

03:09:30

11:12 AM 11/1/2022

■ *And after we
logged fil user
Id and pass
User – gabbar
Pass-123*

Presentation1 - PowerPoint (Non-Commercial Use) (Unlicensed Product)

FILE HOME INSERT DESIGN TRANSITIONS ANIMATIONS SLIDE SHOW REVIEW VIEW

Clipboard Slides Font Paragraph

14

15

16

17

18

PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
1/1/1970 5:30 PM 20 gateway.txt
1/1/1970 5:30 PM 20 hello.txt
1/1/1970 5:30 PM 26 sampleFile.txt
66 bytes 3 File(s)

C:\>dir

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

1/1/1970 5:30 PM 20 gateway.txt
1/1/1970 5:30 PM 20 hello.txt
1/1/1970 5:30 PM 26 sampleFile.txt
66 bytes 3 File(s)

C:\>clear
Invalid Command.

C:\>dir

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

1/1/1970 5:30 PM 20 gateway.txt
1/1/1970 5:30 PM 20 hello.txt
1/1/1970 5:30 PM 26 sampleFile.txt
66 bytes 3 File(s)

C:\>ftp 10.10.10.2
Trying to connect...10.10.10.2
Connected to 10.10.10.2
220- Welcome to FT Ftp server
Username:gabbar
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>dir
```

SLIDE 16 OF 18

NOTES COMMENTS

Type here to search

11:14 AM 11/1/2022

How to check my file

Command – dir + enter

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 650, y: 450

Server-PT Server0 10.10.10.2

ISR-331 Router0 10.10.10.1

2960-24T Switch0 198.168.1.1

PC-PT PC0 198.168.1.2

PC-PT PC1

PC0

Command Prompt

```
Listing /ftp directory from 10.10.10.2:
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
4 : c1841-ipbasek9-mz.124-12.bin 16599160
5 : c1900-universalk9-mz.SPA.155-3.M4a.bin 33591768
6 : c2600-advipservicesk9-mz.124-15.T1.bin 33591768
7 : c2600-i-mz.122-28.bin 5571584
8 : c2600-ipbasek9-mz.124-8.bin 13169700
9 : c2800nm-advipservicesk9-mz.124-15.T1.bin 50938004
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin 33591768
11 : c2800nm-ipbase-mz.123-14.T7.bin 5571584
12 : c2800nm-ipbasek9-mz.124-8.bin 15522644
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin 33591768
14 : c2950-i6q412-mz.121-22.EA4.bin 3058048
15 : c2950-i6q412-mz.121-22.EA8.bin 3117390
16 : c2960-lanbase-mz.122-25.FX.bin 4414921
17 : c2960-lanbase-mz.122-25.SEE1.bin 4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin 4670455
19 : c3560-advipservicesk9-mz.122-37.SE1.bin 8662192
20 : c3560-advipservicesk9-mz.122-46.SE.bin 10713279
21 : c800-universalk9-mz.SPA.152-4.M4.bin 33591768
22 : c800-universalk9-mz.SPA.154-3.M6a.bin 83029236
23 : cat3k_caa-universalk9.16.03.02.SPA.bin 505532849
24 : cgr1000-universalk9-mz.SPA.154-2.CG 159487552
25 : cgr1000-universalk9-mz.SPA.156-3.CG 184530138
26 : hello.txt 6
27 : ir800-universalk9-bundle.SPA.156-3.M.bin 160968869
28 : ir800-universalk9-mz.SPA.155-3.M 61750062
29 : ir800-universalk9-mz.SPA.156-3.M 63753767
30 : ir800_yocto-1.7.2.tar 2877440
31 : ir800_yocto-1.7.2.python-2.7.3.tar 6912000
32 : pt1000-i-mz.122-28.bin 5571584
33 : pt3000-i6q412-mz.121-22.EA4.bin 3117390
ftp>
```

Time: 00:14:52

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	Server0	PC0	ICMP		0.000	N	0	(edit)	(delete)
	Successful	Server0	PC1	ICMP		0.000	N	1	(edit)	(delete)

Copper Straight-Through

Type here to search

27°C Haze 16:48 02-11-2022

*Uploading my file
Command – put +
enter*

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 698, y: 480

Server-PT
Server0
10.10.10.2

ISR 3331
Router0
10.10.10.1
198.168.1.1

2960-24
Switch0

PC-PT
PC0
198.168.1.2

PC-PT
PC1
198.168.1.3

Time: 00:14:52

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Successful	Server0	PC0	ICMP		0.000	N	0	(edit)	(delete)
Successful	Server0	PC1	ICMP		0.000	N	1	(edit)	(delete)

27°C Haze 16:48 02-11-2022

PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
Listing /ftp directory from 10.10.10.2:
0 : asa842-k8.bin 5671584
1 : asa923-k8.bin 30468096
2 : c1841-advipservicesk9-mz.124-15.T1.bin 33591768
3 : c1841-ipbase-mz.123-14.T7.bin 13832032
4 : c1841-ipbasek9-mz.124-12.bin 16599160
5 : c1900-universalk9-mz.SPA.155-3.M4a.bin 33591768
6 : c2600-advipservicesk9-mz.124-15.T1.bin 33591768
7 : c2600-i-mz.122-28.bin 5671584
8 : c2600-ipbasek9-mz.124-8.bin 13169700
9 : c2800nm-advipservicesk9-mz.124-15.T1.bin 50938004
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin 33591768
11 : c2800nm-ipbase-mz.123-14.T7.bin 5671584
12 : c2800nm-ipbasek9-mz.124-8.bin 15522644
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin 33591768
14 : c2950-i6q412-mz.121-22.EA4.bin 3058048
15 : c2950-i6q412-mz.121-22.EA8.bin 3117390
16 : c2960-lanbase-mz.122-25.FX.bin 4414921
17 : c2960-lanbase-mz.122-25.SEE1.bin 4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin 4670455
19 : c3560-advipservicesk9-mz.122-37.SE1.bin 8662192
20 : c3560-advipservicesk9-mz.122-46.SE.bin 10713279
21 : c800-universalk9-mz.SPA.152-4.M4.bin 33591768
22 : c800-universalk9-mz.SPA.154-3.M6a.bin 83029236
23 : cat3k_caa-universalk9.16.03.02.SPA.bin 505532849
24 : cgr1000-universalk9-mz.SPA.154-2.CG 159487552
25 : cgr1000-universalk9-mz.SPA.156-3.CG 184530138
26 : hello.txt 6
27 : ix800-universalk9-bundle.SPA.156-3.M.bin 160968869
28 : ix800-universalk9-mz.SPA.155-3.M 61750062
29 : ix800-universalk9-mz.SPA.156-3.M 63753767
30 : ix800_yocto-1.7.2.tar 2877440
31 : ix800_yocto-1.7.2_python-2.7.3.tar 6912000
32 : pt1000-i-mz.122-28.bin 5671584
33 : pt3000-i6q412-mz.121-22.EA4.bin 3117390
ftp>
```

Next step
Rename file name –
Command – rename old name .txt new
name .txt + enter

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 690, y: 351

Server-PT Server0 10.10.10.2
ISR-331 Router0 10.10.10.1
2960-24T Switch0 198.168.1.1
PC-PT PC0 198.168.1.2
PC-PT PC1 198.168.1.3

PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
4 : c1841-ipbasek9-mz.124-12.bin 16599160
5 : c1900-universalk9-mz.SPA.155-3.M4a.bin 33591768
6 : c2600-advipservicesk9-mz.124-15.T1.bin 33591768
7 : c2600-i-mz.122-28.bin 5571584
8 : c2600-ipbasek9-mz.124-8.bin 13169700
9 : c2800nm-advipservicesk9-mz.124-15.T1.bin 50938004
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin 33591768
11 : c2800nm-ipbase-mz.123-14.T7.bin 5571584
12 : c2800nm-ipbasek9-mz.124-8.bin 15522644
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin 33591768
14 : c2950-i6q412-mz.121-22.EA4.bin 3058048
15 : c2950-i6q412-mz.121-22.EA8.bin 3117390
16 : c2960-lanbase-mz.122-25.FX.bin 4414921
17 : c2960-lanbase-mz.122-25.SEE1.bin 4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin 4670455
19 : c3560-advipservicesk9-mz.122-37.SE1.bin 8662192
20 : c3560-advipservicesk9-mz.122-46.SE.bin 10713279
21 : c800-universalk9-mz.SPA.152-4.M4.bin 33591768
22 : c800-universalk9-mz.SPA.154-3.M6a.bin 83029236
23 : cat3k_caa-universalk9.16.03.02.SPA.bin 505532849
24 : cgr1000-universalk9-mz.SPA.154-2.CG 159487552
25 : cgr1000-universalk9-mz.SPA.156-3.CG 184530138
26 : hello.txt 6
27 : ir800-universalk9-bundle.SPA.156-3.M.bin 160968869
28 : ir800-universalk9-mz.SPA.155-3.M 61750062
29 : ir800-universalk9-mz.SPA.156-3.M 63753767
30 : ir800_yocto-1.7.2.tar 2877440
31 : ir800_yocto-1.7.2_python-2.7.3.tar 6912000
32 : pt1000-i-mz.122-28.bin 5571584
33 : pt3000-i6q412-mz.121-22.EA4.bin 3117390

ftp>
ftp>rename hello.txt gabbar.txt

Renaming hello.txt
ftp>
[OK Renamed file successfully from hello.txt to gabbar.txt]
ftp>
```

Time: 00:19:50

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Successful	Server0	PC0	ICMP		0.000	N	0	(edit)	(delete)
Successful	Successful	Server0	PC1	ICMP		0.000	N	1	(edit)	(delete)

27°C Haze 16:53 02-11-2022

Download my file
Command – get file name
(gabbar.txt) .txt

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 705, y: 538

Server-PT
Server0
10.10.10.2

ISR 331
Router0
10.10.10.1

2960-24T
Switch0
198.168.1.1

PC-PT
PC0
198.168.1.2

PC-PT
PC1
198.168.1.2

Time: 00:24:10

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Successful	Server0	PC0	ICMP		0.000	N	0	(edit)	(delete)
Successful	Server0	PC1	ICMP		0.000	N	1	(edit)	(delete)

16:57
02-11-2022

PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
12 : c2800nm-ipbasek9-mz.124-8.bin 15522644
13 : c2900-universalk9-mz.SPA.156-3.M4a.bin 33591768
14 : c2950-i6q412-mz.121-22.EA4.bin 3058048
15 : c2950-i6q412-mz.121-22.EA8.bin 3117390
16 : c2960-lanbase-mz.122-25.FX.bin 4414921
17 : c2960-lanbase-mz.122-25.SEE1.bin 4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin 4670455
19 : c3560-advipervicesk9-mz.122-37.SE1.bin 8662192
20 : c3560-advipervicesk9-mz.122-46.SE.bin 10713279
21 : c800-universalk9-mz.SPA.152-4.M4.bin 33591768
22 : c800-universalk9-mz.SPA.154-3.M6a.bin 83029236
23 : cat3k_caa-universalk9.16.03.02.SPA.bin 505532049
24 : cgr1000-universalk9-mz.SPA.154-2.CG 169487552
25 : cgr1000-universalk9-mz.SPA.156-3.CG 184530138
26 : hello.txt 6
27 : ir800-universalk9-bundle.SPA.156-3.M.bin 160968869
28 : ir800-universalk9-mz.SPA.156-3.M 61750062
29 : ir800-universalk9-mz.SPA.156-3.M 63753767
30 : ir800_yocto-1.7.2.tar 2877440
31 : ir800_yocto-1.7.2_python-2.7.3.tar 6912000
32 : pt1000-i-mz.122-28.bin 5571584
33 : pt3000-i6q412-mz.121-22.EA4.bin 3117390

ftp>
ftp>rename hello.txt gabbar.txt

Renaming hello.txt
ftp>
[OK Renamed file successfully from hello.txt to gabbar.txt]
ftp>get gabbar.txt

Reading file gabbar.txt from 10.10.10.2:
File transfer in progress...

[Transfer complete - 6 bytes]

6 bytes copied in 0 secs
ftp>
```

***And check my file
Command – first quit
+enter
Second dir +enter***

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 712, y: 380

```
graph TD
    Server[Server-PT Server0 10.10.10.2] --- Router[ISR 331 Router0 10.10.10.1]
    Router --- Switch[2960-24T Switch0 198.168.1.1]
    Switch --- PC0[PC-PT PC0 198.168.1.2]
    Switch --- PC1[PC-PT PC1 198.168.1.3]
```

PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
25 : cgr1000-universalk9-mz.SPA.156-3.CG 184530138
26 : hello.txt 6
27 : ir800-universalk9-bundle.SPA.156-3.M.bin 160968869
28 : ir800-universalk9-mz.SPA.156-3.M 61750062
29 : ir800-universalk9-mz.SPA.156-3.M 63753767
30 : ir800_yocto-1.7.2.tar 2877440
31 : ir800_yocto-1.7.2_python-2.7.3.tar 6912000
32 : pt1000-i-mz.122-28.bin 5571584
33 : pt3000-i6q412-mz.121-22.EA4.bin 3117390
ftp>
ftp>rename hello.txt gabbar.txt
Renaming hello.txt
ftp>
[OK Renamed file successfully from hello.txt to gabbar.txt]
ftp>get gabbar.txt
Reading file gabbar.txt from 10.10.10.2:
File transfer in progress...
[Transfer complete - 6 bytes]
6 bytes copied in 0 secs
ftp>quit
221- Service closing control connection.
C:\>dir
Volume in drive C has no label.
Volume Serial Number is 5E12-4AF3
Directory of C:\

1/1/1970 5:30 PM 6 gabbar.txt
1/1/1970 5:30 PM 6 hello.txt
1/1/1970 5:30 PM 26 sampleFile.txt
38 bytes 3 File(s)
C:\>
```

Time: 00:29:36

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
●	Successful	Server0	PC0	ICMP	Green	0.000	N	0	(edit)	(delete)
●	Successful	Server0	PC1	ICMP	Green	0.000	N	1	(edit)	(delete)

27°C Haze 17:03 02-11-2022

THANK
YOU!

