

Cisco Packet Tracer Student

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

10.0.0.1

Physical Config Services Desktop Custom Interface

GLOBAL Settings

INTERFACE

FastEthernet0

Port Status ☒ On

Bandwidth ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0050.0FD5.2C1B

IP Configuration

☐ DHCP

☒ Static

IP Address 10.0.0.1

Subnet Mask 255.0.0.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address: E80::250:FFF:FED5:2C1B

PC-PT 10.0.0.4

PC-PT 10.0.0.5

Server-PT 10.0.0.1 Gateway: 10.0.0.2

Time: 00:12:53 Power Cycle Devices Fast Forward Time

Connections

Scenario 0

Fire Last Status Source Destination Type Color Time(se-Periodic Num Edit Delete

New Delete

Toggle PDU List Window

Automatically Choose Connection Type

18:19 15-07-2023

Cisco Packet Tracer Student

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

10.0.0.1

Physical Config Services Desktop Custom Interface

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

DHCP

Interface FastEthernet0 Service ☒ On ☐ Off

Pool Name serverPool

Default Gateway 10.0.0.2

DNS Server 0.0.0.0

Start IP Address : 10 0 0 3

Subnet Mask: 255 0 0 0

Maximum number of Users : 512

TFTP Server: 0.0.0.0

Add Save Remove

ol	Nar	ault	Gates	VS	Serv	t	IP	Add	net	M	ax	Usr	TFTP
serve...	20.0.0.1	0.0.0.0	20.0.0.2	255.0...	512	0.0.0.0							
serve...	10.0.0.2	0.0.0.0	10.0.0.3	255.0...	512	0.0.0.0							

PC-PT 10.0.0.4

PC-PT 10.0.0.5

Server-PT 10.0.0.1 Gateway: 10.0.0.2

Time: 00:12:59 Power Cycle Devices Fast Forward Time

Connections

Scenario 0

Fire Last Status Source Destination Type Color Time(se-Periodic Num Edit Delete

New Delete

Toggle PDU List Window

Automatically Choose Connection Type

18:19 15-07-2023

Cisco Packet Tracer Student

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

10.0.0.1

Physical Config Services Desktop Custom Interface

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool - 2

Default Gateway: 20.0.0.1

DNS Server: 0.0.0.0

Start IP Address: 20 0 0 2

Subnet Mask: 255 0 0 0

Maximum number of Users: 512

TFTP Server: 0.0.0.0

Add Save Remove

of	Nat	ault	Gates	VS	Serv	1	IP	Add	inet	M	ax	Usr	TFTP
serve	...	20.0.0.1	0.0.0.0	20.0.0.2	255.0.0.0	512	0.0.0.0						
serve	...	10.0.0.2	0.0.0.0	10.0.0.3	255.0.0.0	512	0.0.0.0						

Time: 00:13:00 Power Cycle Devices Fast Forward Time

Connections

Scenario 0

Fire Last Status Source Destination Type Color Time(se-Periodic Num Edit Delete

Toggle PDU List Window

18:19 15-07-2023

Cisco Packet Tracer Student

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

10.0.0.4

Physical Config Desktop Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display Name: 10.0.0.4

Gateway/DNS

☒ DHCP

☐ Static

Gateway: 10.0.0.2

DNS Server: 0.0.0.0

Gateway/DNS Ipv6

☒ DHCP

☐ Auto Config

☐ Static

IPv6 Gateway

IPv6 DNS Server

Time: 00:13:09 Power Cycle Devices Fast Forward Time

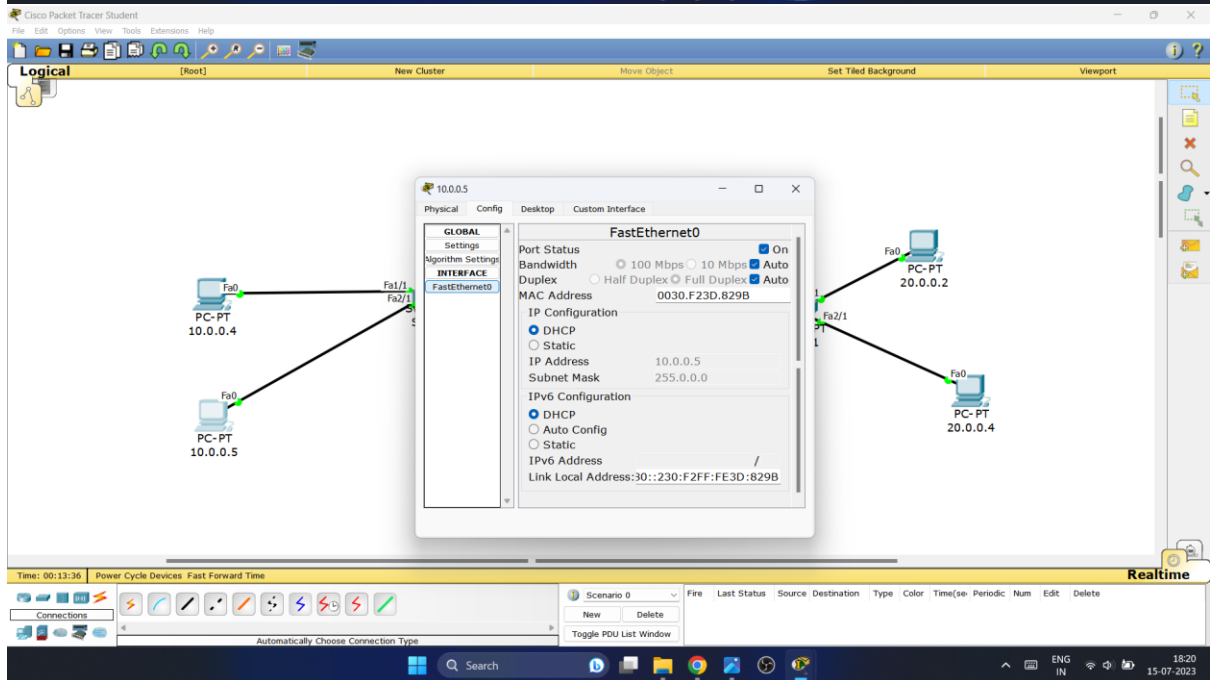
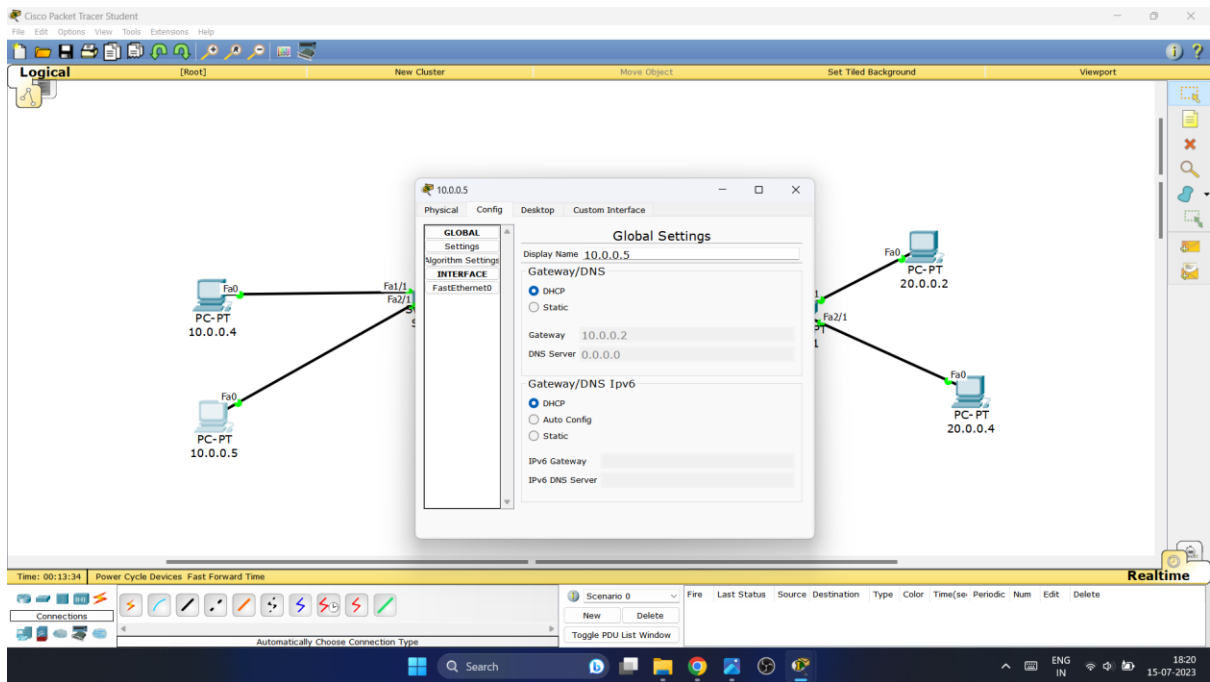
Connections

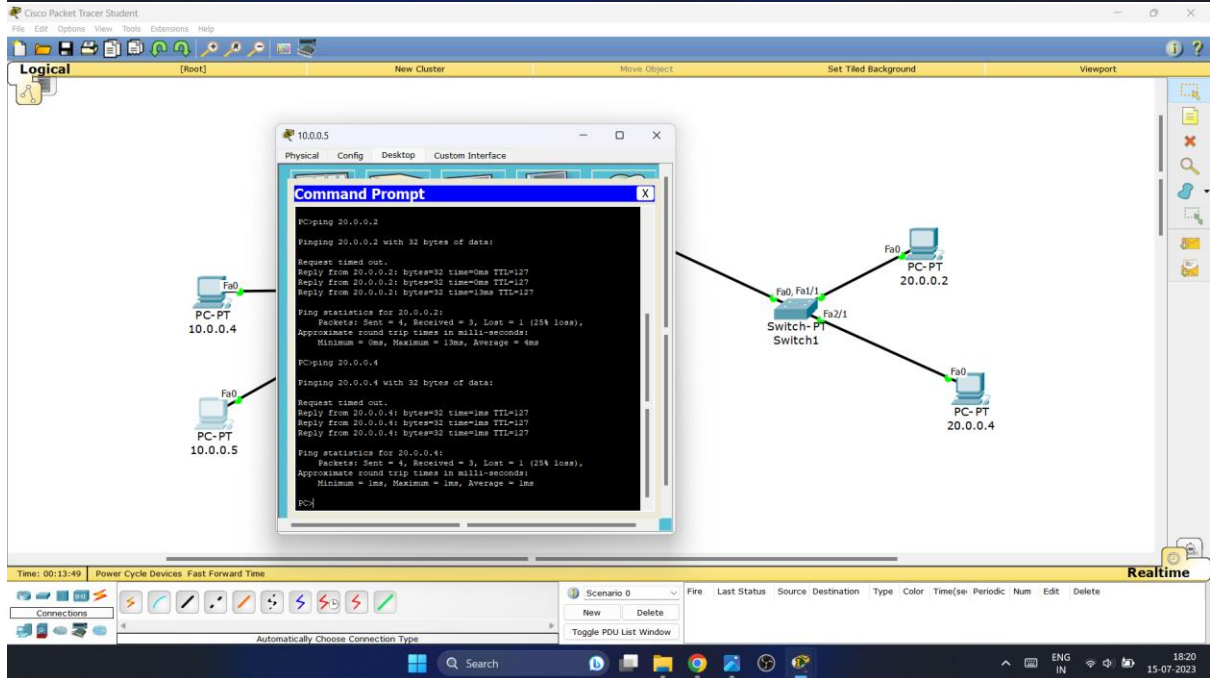
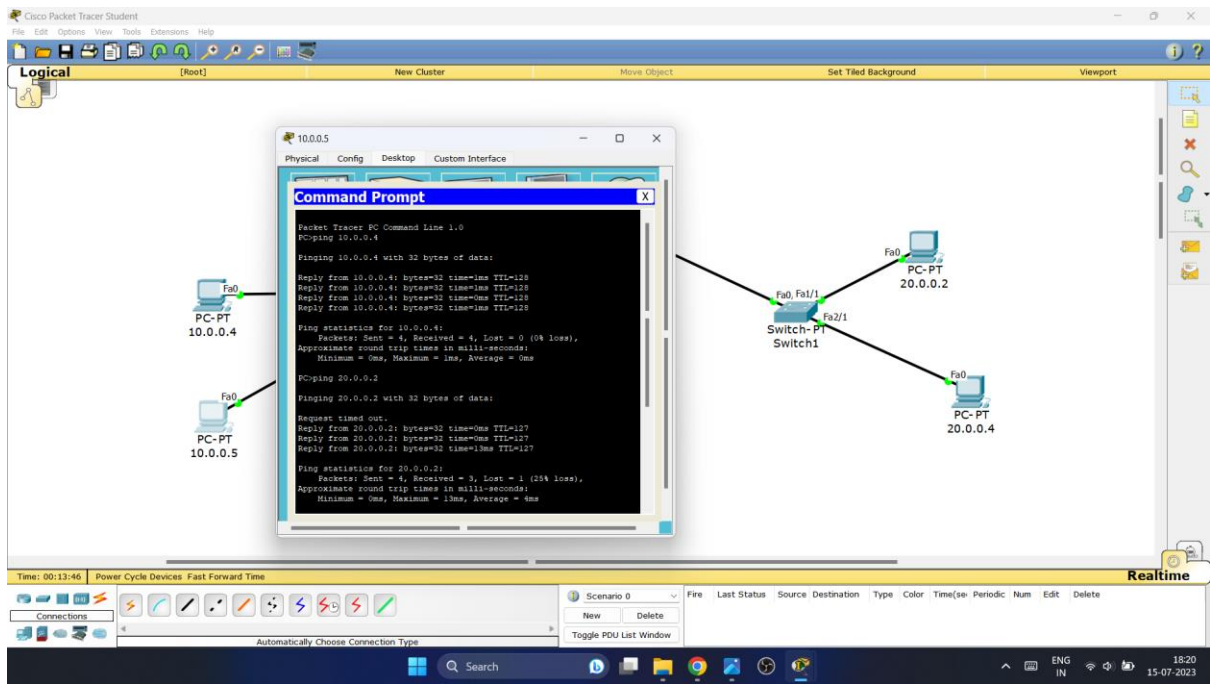
Scenario 0

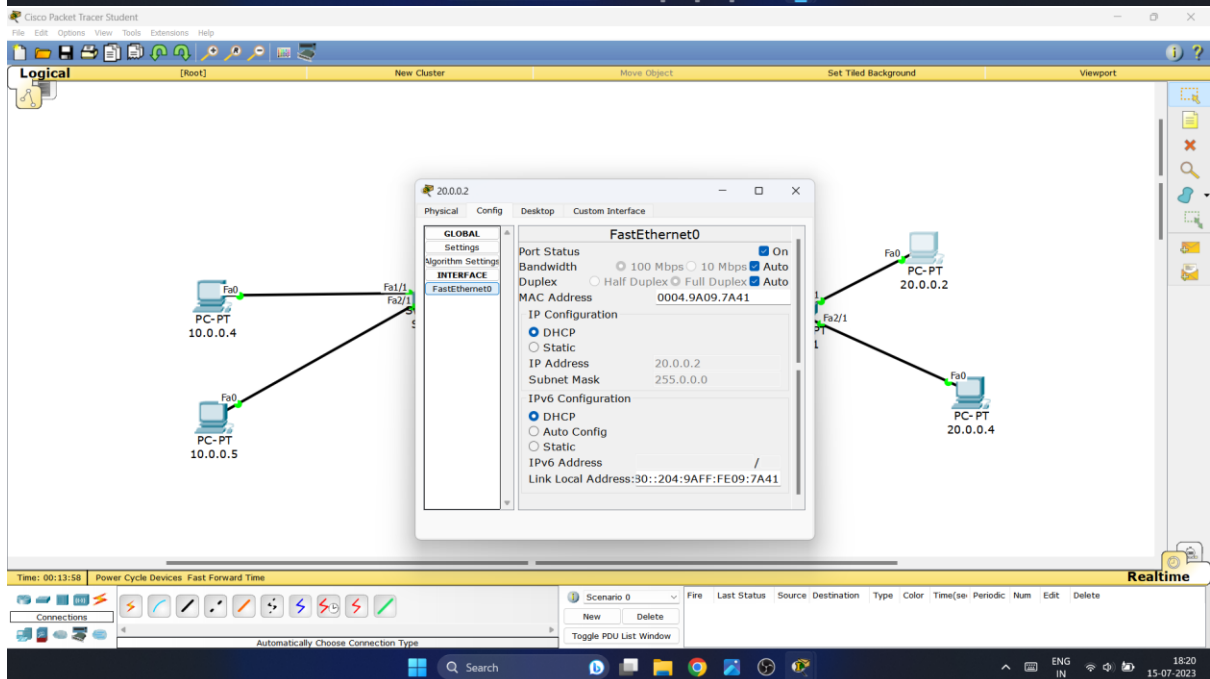
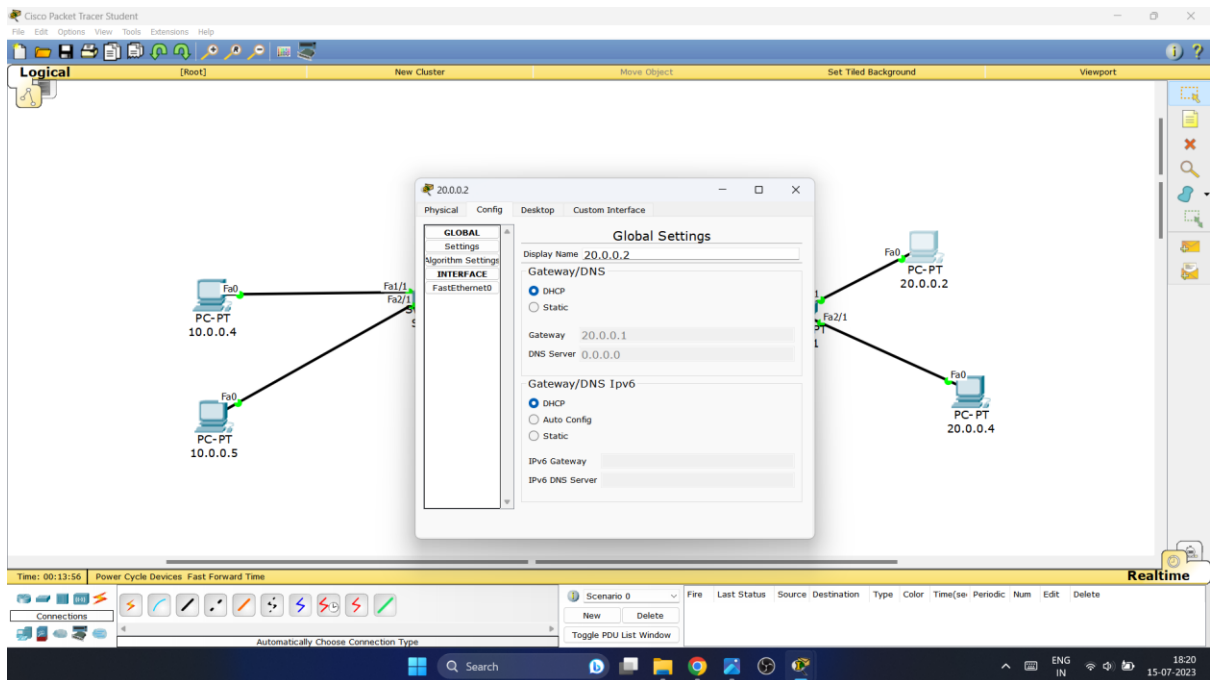
Fire Last Status Source Destination Type Color Time(se-Periodic Num Edit Delete

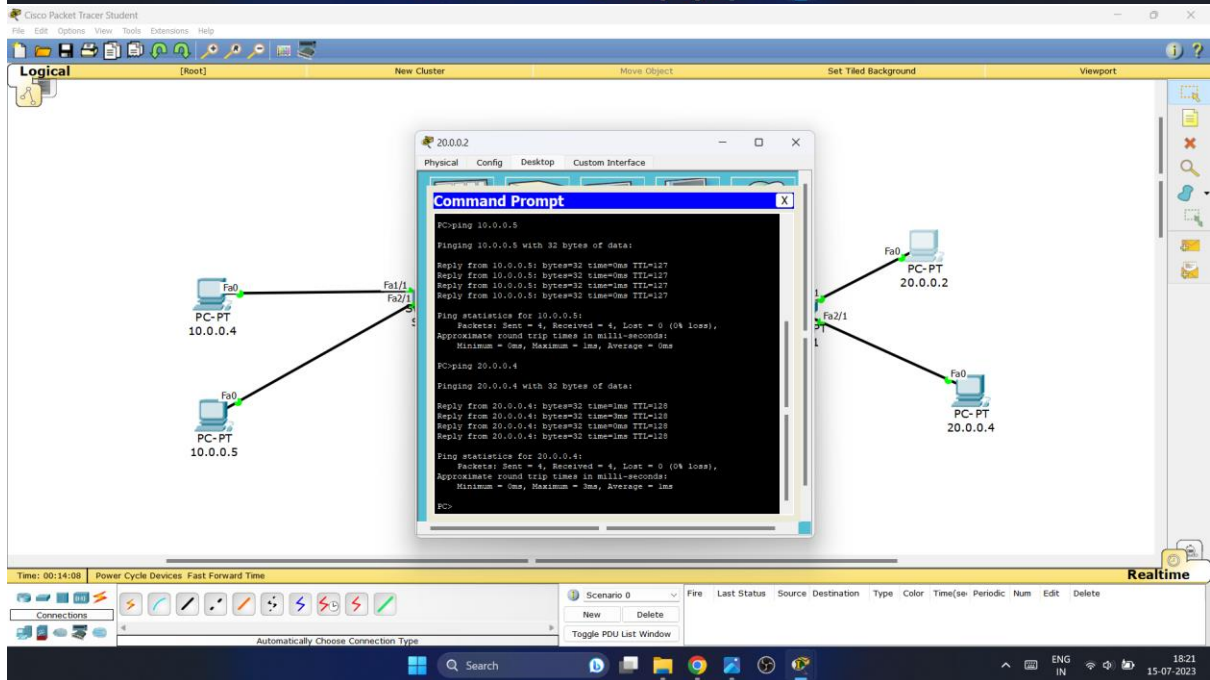
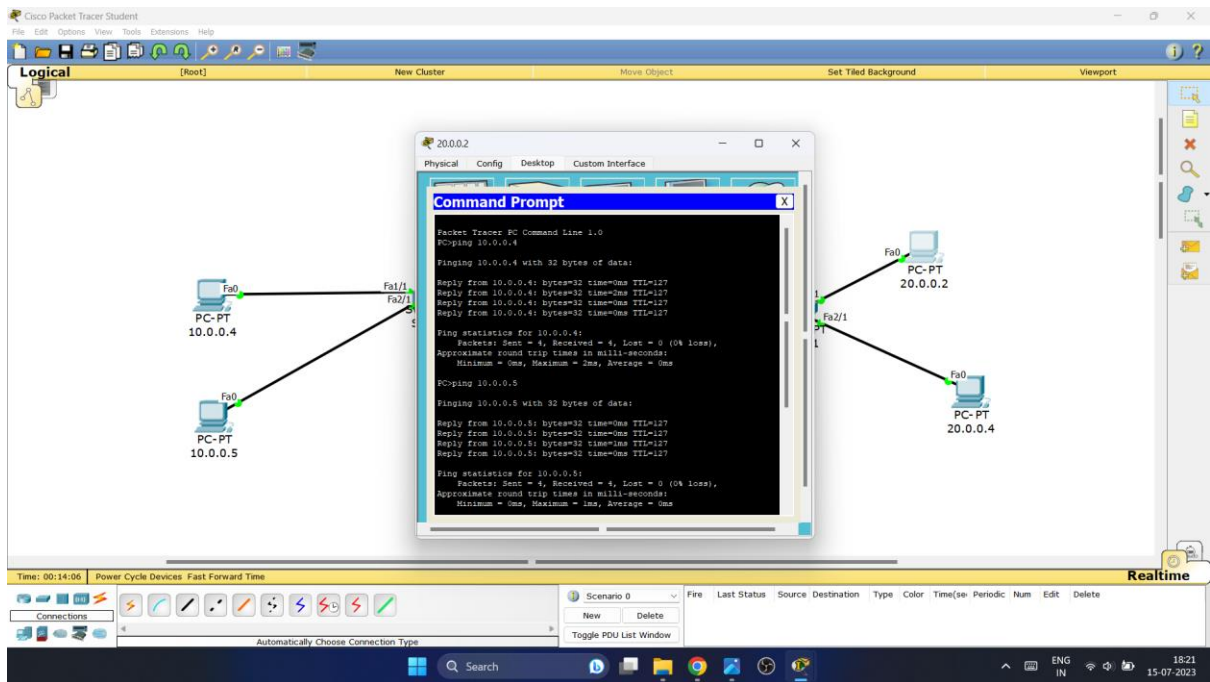
Toggle PDU List Window

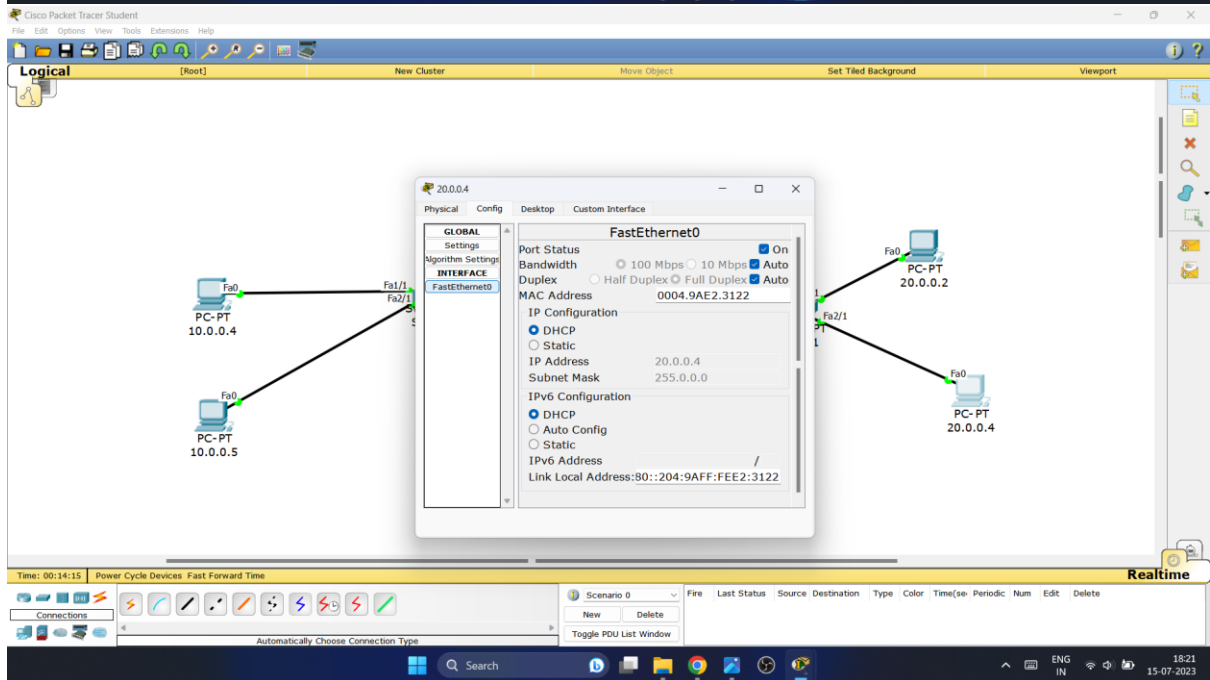
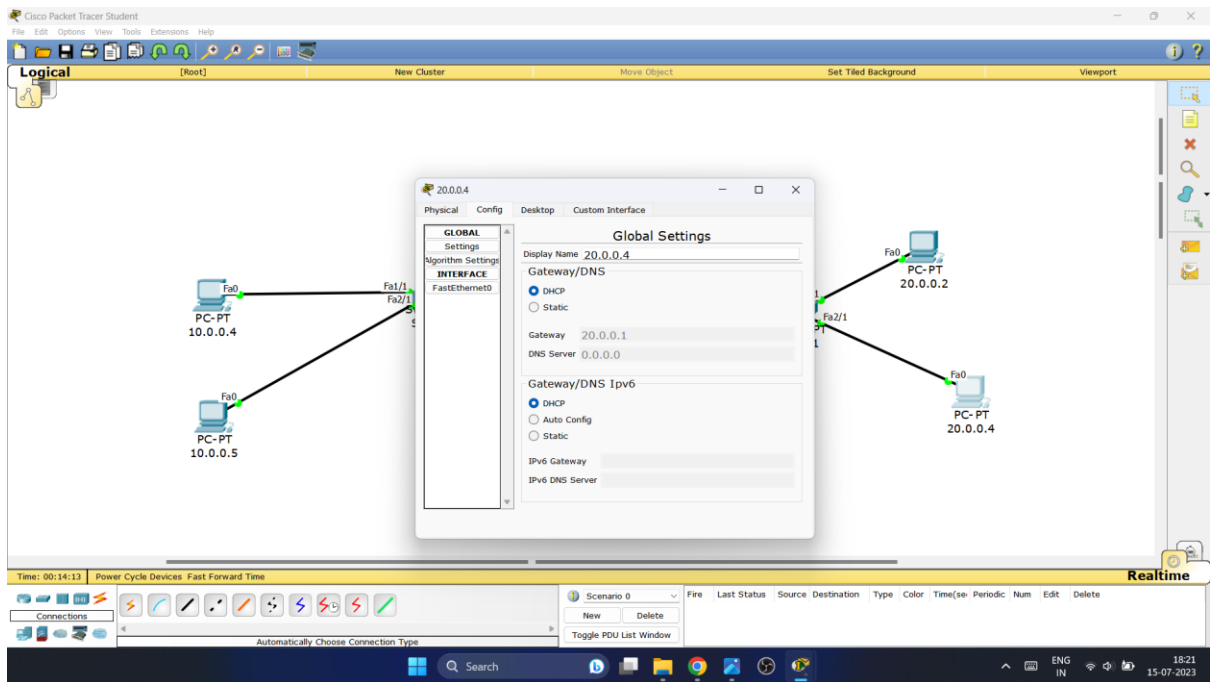
18:20 15-07-2023













Cisco Packet Tracer Student

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

20.0.0.4

Physical Config Desktop Custom Interface

Command Prompt

Packet Tracer PC Command Line 1.0

PC>ping 10.0.0.4

Pinging 10.0.0.4 with 32 bytes of data:

Reply from 10.0.0.4: bytes=32 time=0ms TTL=127

Reply from 10.0.0.4: bytes=32 time=0ms TTL=127

Reply from 10.0.0.4: bytes=32 time=0ms TTL=127

Reply from 10.0.0.4: bytes=32 time=0ms TTL=127

Ping statistics for 10.0.0.4:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>ping 10.0.0.5

Pinging 10.0.0.5 with 32 bytes of data:

Reply from 10.0.0.5: bytes=32 time=2ms TTL=127

Reply from 10.0.0.5: bytes=32 time=0ms TTL=127

Reply from 10.0.0.5: bytes=32 time=0ms TTL=127

Reply from 10.0.0.5: bytes=32 time=0ms TTL=127

Ping statistics for 10.0.0.5:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 4ms, Average = 1ms

Time: 00:14:23 Power Cycle Devices Fast Forward Time

Connections

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(se-Periodic Num Edit Delete

18:21 15-07-2023

Cisco Packet Tracer Student

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

20.0.0.4

Physical Config Desktop Custom Interface

Command Prompt

Pinging 10.0.0.5

Pinging 10.0.0.5 with 32 bytes of data:

Reply from 10.0.0.5: bytes=32 time=2ms TTL=127

Reply from 10.0.0.5: bytes=32 time=0ms TTL=127

Reply from 10.0.0.5: bytes=32 time=0ms TTL=127

Reply from 10.0.0.5: bytes=32 time=0ms TTL=127

Ping statistics for 10.0.0.5:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 4ms, Average = 1ms

PC>ping 20.0.0.2

Pinging 20.0.0.2 with 32 bytes of data:

Reply from 20.0.0.2: bytes=32 time=1ms TTL=128

Reply from 20.0.0.2: bytes=32 time=0ms TTL=128

Reply from 20.0.0.2: bytes=32 time=0ms TTL=128

Reply from 20.0.0.2: bytes=32 time=0ms TTL=128

Ping statistics for 20.0.0.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 6ms, Average = 1ms

PC>

Time: 00:14:24 Power Cycle Devices Fast Forward Time

Connections

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(se-Periodic Num Edit Delete

18:21 15-07-2023

Cisco Packet Tracer Student

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

```
graph LR
    PC1[PC-PT 10.0.0.4] --- S1((Fa0))
    S1 --- S2((Fa1/1))
    S2 --- S3((Fa2/1))
    S3 --- S4((Fa3/1))
    S4 --- S5((Fa0))
    S5 --- Server[Server-PT 10.0.0.1 Gateway: 10.0.0.2]
    S2 --- R1((Fa0/1))
    R1 --- R2((Fa1/0))
    R2 --- Router0[Router-PT Router0]
```

Router0

Physical Config CLI

IOS Command Line Interface

```
Router>enable
Router>conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Fa0/0
Router(config-if)#ip address 10.0.0.2 255.0.0.0
Router(config-if)#no shutdown
Router(config-if)#
%LINE-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)#exit
Router(config)#interface Fa1/0
Router(config-if)#ip address 20.0.0.1 255.0.0.0
Router(config-if)#no shutdown
Router(config-if)#
%LINE-5-CHANGED: Interface FastEthernet1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
Router(config-if)#exit
```

Copy Paste

Time: 00:14:42 Power Cycle Devices Fast Forward Time

Connections

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(se-Periodic Num Edit Delete

Automatically Choose Connection Type

Search

ENG IN 18:21 15-07-2023

Cisco Packet Tracer Student

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

```
graph LR
    PC1[PC-PT 10.0.0.4] --- S1((Fa0))
    S1 --- S2((Fa1/1))
    S2 --- S3((Fa2/1))
    S3 --- S4((Fa3/1))
    S4 --- S5((Fa0))
    S5 --- Server[Server-PT 10.0.0.1 Gateway: 10.0.0.2]
    S2 --- R1((Fa0/1))
    R1 --- R2((Fa1/0))
    R2 --- Router0[Router-PT Router0]
```

Router0

Physical Config CLI

IOS Command Line Interface

```
Router(config-if)#
%LINE-5-CHANGED: Interface FastEthernet1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
Router(config-if)#exit
Router(config)#ip helper-address 10.0.0.1
Router(config)#
% Invalid input detected at '' marker.
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Fa1/0
Router(config-if)#ip helper-address 10.0.0.1
Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#
```

Copy Paste

Time: 00:14:50 Power Cycle Devices Fast Forward Time

Connections

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(se-Periodic Num Edit Delete

Automatically Choose Connection Type

Search

ENG IN 18:21 15-07-2023

