

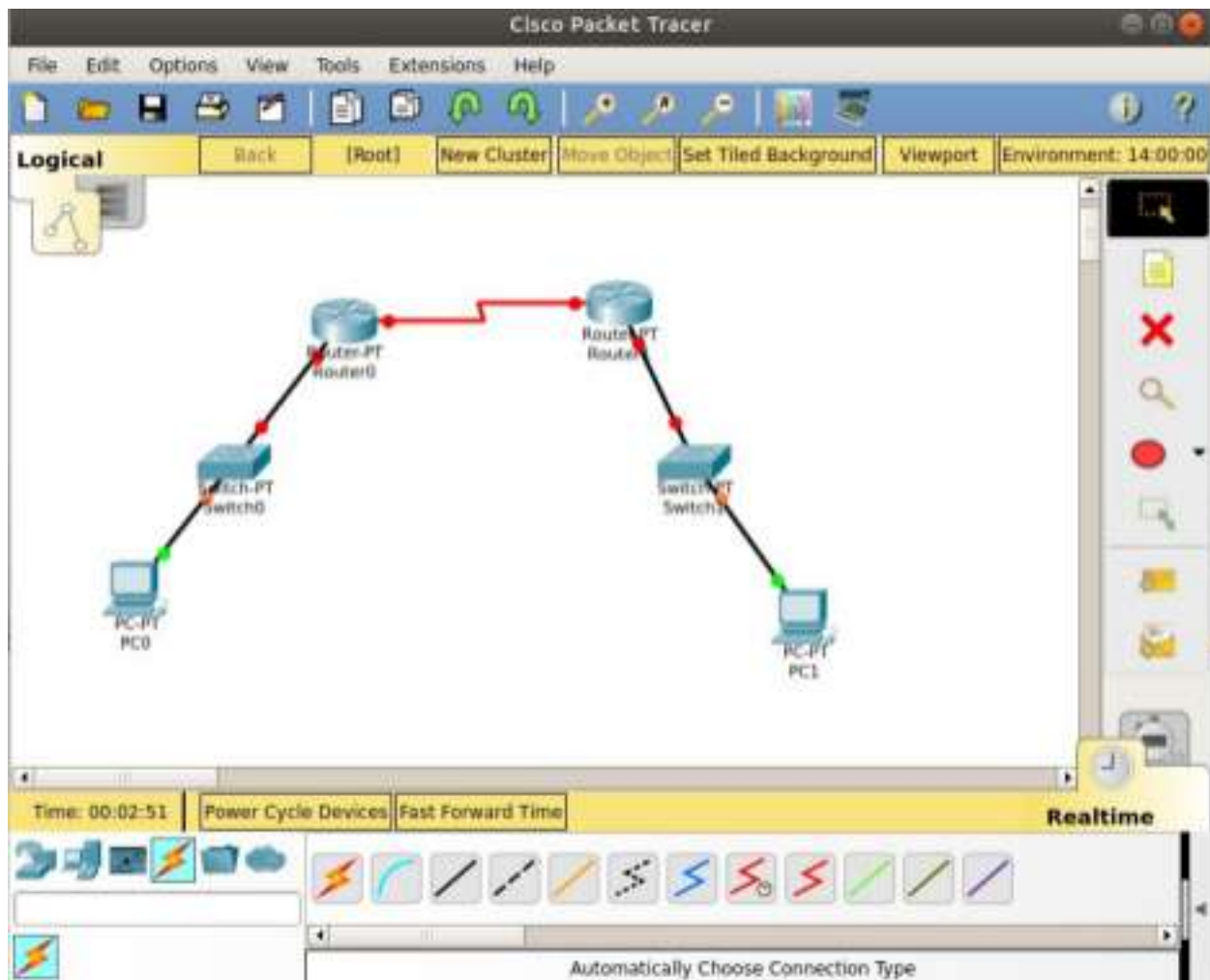


Department of Computer Engineering
(NBA Accredited)
Academic Year 2022-23

Roll Number:51

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EXPERIMENT NO 9



PC0

Physical Config Desktop Attributes Custom Interface

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.1.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::230:F2FF:FE98:C834

IPv6 Gateway

IPv6 DNS Server

Top

Router0

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet0/0

Port Status

☒ On

Bandwidth

☒ 100 Mbps☐ 10 Mbps

☒ Auto

Duplex

☒ Half Duplex☐ Full Duplex

☒ Auto

MAC Address

0050.0FEC.4319

IP Configuration

IP Address

192.168.1.1

Subnet Mask

255.255.255.0

Tx Ring Limit

10

Equivalent IOS Commands

Enter configuration commands, one per line: end with CTRL-Z.

Router(config)#interface FastEthernet0/0

Router(config-if)#no shutdown

Router(config-if)#

%LINK-3-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-3-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

ip address 192.168.1.1 255.255.255.0

Router(config-if)#

☒ Top

Router1

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet0/0

Port Status

☒ On

Bandwidth

☒ 100 Mbps☐ 10 Mbps

☒ Auto

Duplex

☒ Half Duplex☐ Full Duplex

☒ Auto

MAC Address

00D0.BAD6.E4E9

IP Configuration

IP Address

192.168.2.1

Subnet Mask

255.255.255.0

Tx Ring Limit

10

Equivalent IOS Commands

Enter configuration commands, one per line. End with CTRL-Z.

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

ip address 192.168.2.1 255.255.255.0

Router(config-if)#

☐ Top

Router0

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

Serial2/0

Port Status

On

Duplex

Full Duplex

Clock Rate

Not Set

IP Configuration

IP Address

10.10.0.2

Subnet Mask

255.0.0.0

Tx Ring Limit

10

Equivalent IOS Commands

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

ip address 192.168.1.1 255.255.255.0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial2/0, changed state to down

Router(config-if)#ip address 10.10.0.2 255.0.0.0

Router(config-if)#

Top

Router1

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

Serial2/0

Port Status

On

Duplex

Full Duplex

Clock Rate

Not Set

IP Configuration

IP Address

10.10.0.3

Subnet Mask

255.0.0.0

Tx Ring Limit

10

Equivalent IOS Commands

```
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state
to up
ip address 10.10.0.3 255.0.0.0
Router(config-if)#
```

☒ Top

Router0

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

RIP Routing

Network

Add

Network Address

10.0.0.0

192.168.1.0

Remove

Equivalent IOS Commands

cd down

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

Router(config-router)#exit

Router(config)#router rip

Router(config-router)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

network 192.168.1.0

Router(config-router)#no network 10.0.0.0

Router(config-router)#network 10.0.0.0

Router(config-router)#

☐ Top

