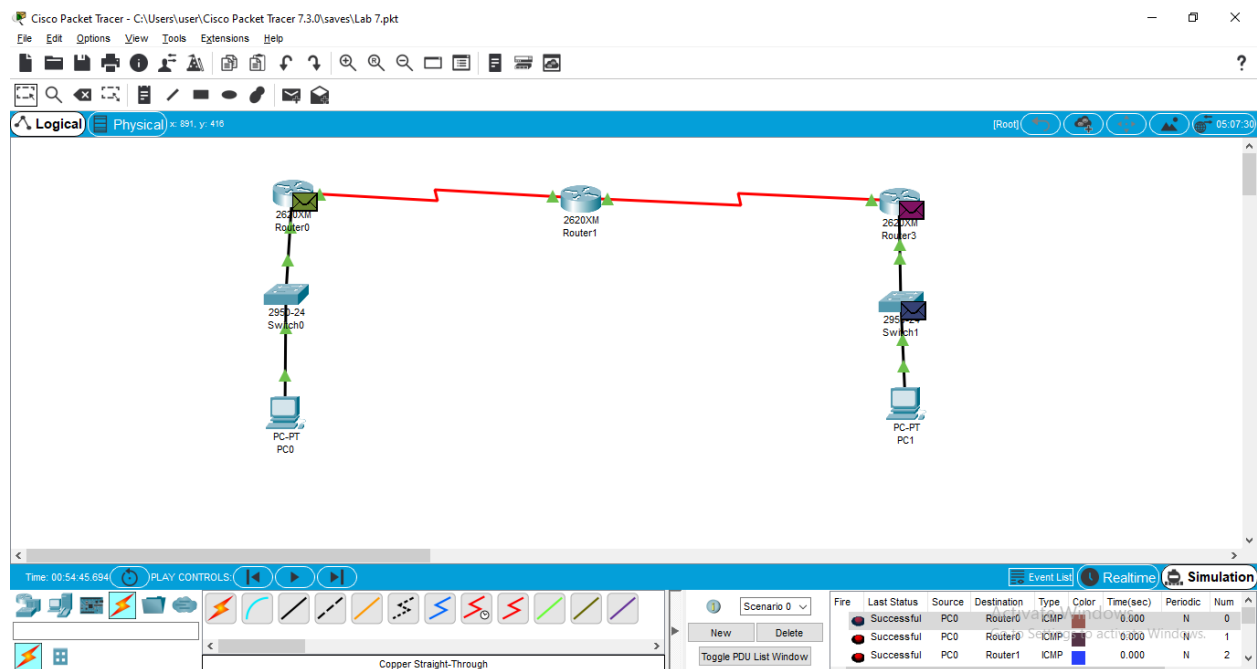
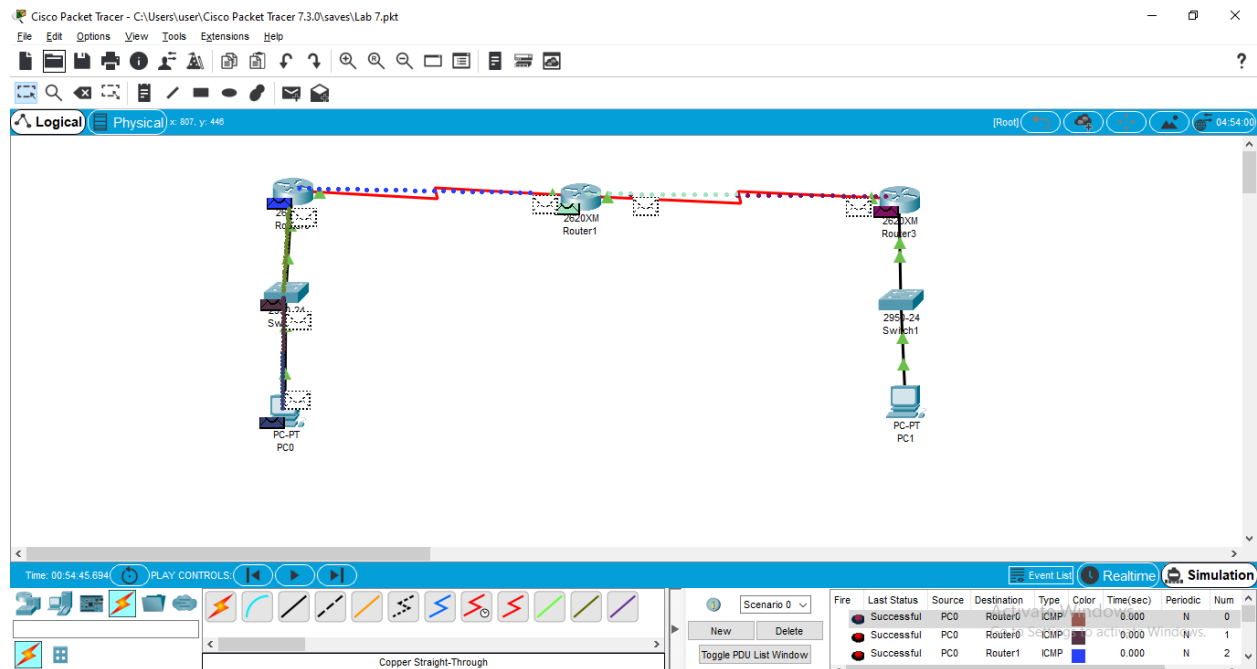


LAB NO: 6



Cisco Packet Tracer - C:\Users\user\Cisco Packet Tracer 7.3.0\saves\Lab 7.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 676, y: 385

Simulation Panel

Event List

Vis	Time(sec)	Last Device	At Device	Type
	0.011	Switch0	PC0	ICMP
	0.012	Switch1	Router3	ICMP
	0.013	Router3	Router1	ICMP
	0.014	Router1	Router0	ICMP
	0.015	Router0	Switch0	ICMP
	0.016	Switch0	PC0	ICMP
	0.384	--	Switch1	DTP
	0.385	Switch1	PC1	DTP

Reset Simulation ☒ Constant Delay Captured to: 0.600 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All/None

Time: 00:54:45.694 PLAY CONTROLS

Scenario 0

New Delete

Toggle PDU List Window

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

Successful	ICMP	PC0	Router0	0.000	N	0
Successful	ICMP	PC0	Router0	0.000	N	1
Successful	ICMP	PC0	Router1	0.000	N	2

Cisco Packet Tracer - C:\Users\user\Cisco Packet Tracer 7.3.0\saves\Lab 7.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 579, y: 253

Simulation Panel

Event List

Vis	Time(sec)	Last Device	At Device	Type
	0.011	Switch0	PC0	ICMP
	0.012	Switch1	Router3	ICMP
	0.013	Router3	Router1	ICMP
	0.014	Router1	Router0	ICMP
	0.015	Router0	Switch0	ICMP
	0.016	Switch0	PC0	ICMP
	0.384	--	Switch1	DTP
	0.385	Switch1	PC1	DTP

Reset Simulation ☒ Constant Delay Captured to: 0.600 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All/None

Time: 00:00:44

Scenario 0

New Delete

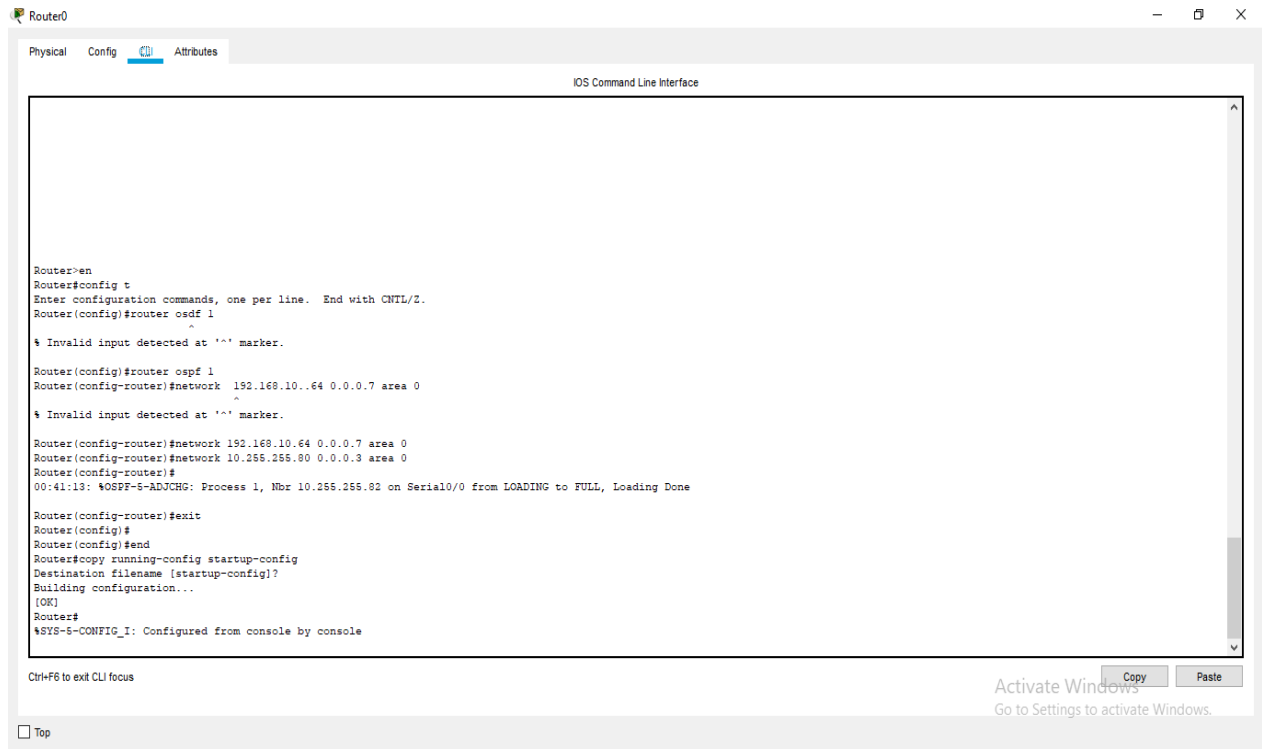
Toggle PDU List Window

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

Successful	ICMP	PC0	Router0	0.000	N	0
Successful	ICMP	PC0	Router0	0.000	N	1
Successful	ICMP	PC0	Router1	0.000	N	2

Activate Windows
Go to Settings to activate Windows.

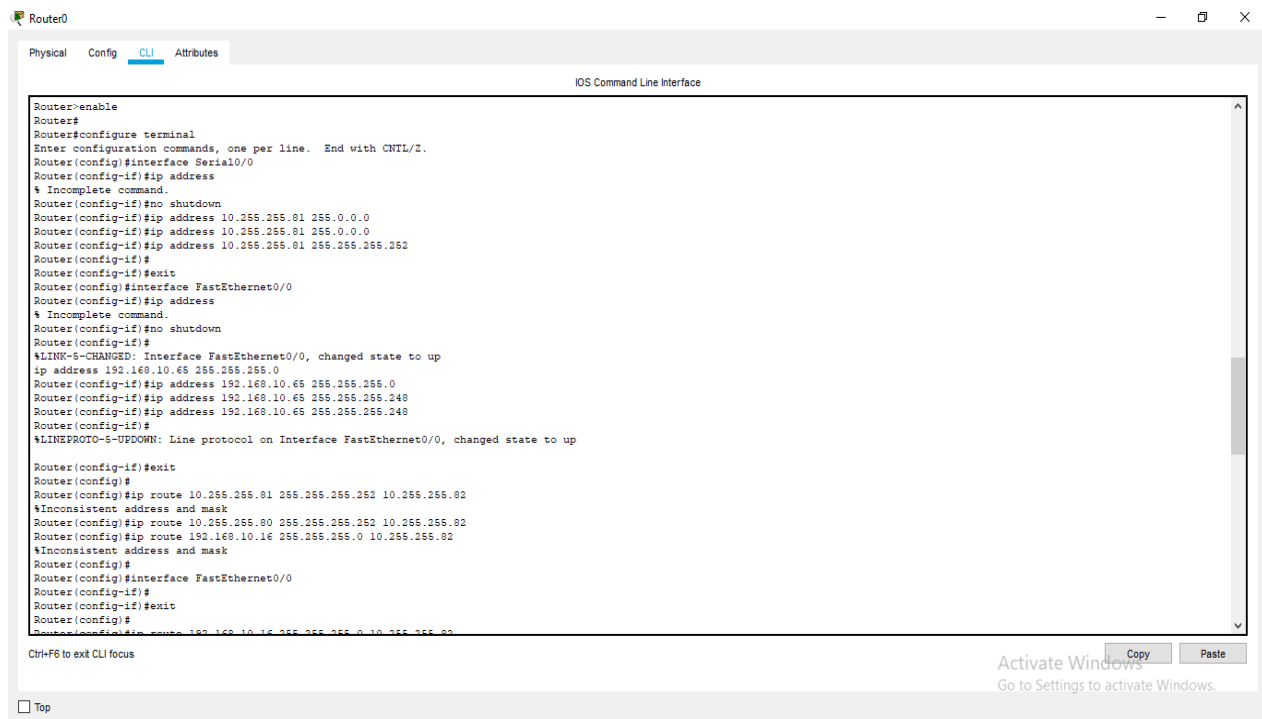
For Router 0:



The screenshot shows the Router0 configuration window with the 'Config' tab selected. The 'IOS Command Line Interface' is active, displaying the following commands and output:

```
Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router ospf 1
Router(config-router)#network 192.168.10.64 0.0.0.7 area 0
Router(config-router)#network 192.168.10.64 0.0.0.7 area 0
Router(config-router)#network 10.255.255.80 0.0.0.3 area 0
00:41:13: %OSPF-5-ADJCHG: Process 1, Nbr 10.255.255.82 on Serial10/0 from LOADING to FULL, Loading Done
Router(config-router)#exit
Router(config)#
Router(config)#end
Router#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Router#
*SYS-5-CONFIG_I: Configured from console by console
```

At the bottom of the window, there is a 'Top' button and a watermark that reads 'Activate Windows. Go to Settings to activate Windows.' with 'Copy' and 'Paste' buttons.



The screenshot shows the Router0 configuration window with the 'Config' tab selected. The 'IOS Command Line Interface' is active, displaying the following commands and output:

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Serial10/0
Router(config-if)#ip address
% Incomplete command.
Router(config-if)#no shutdown
Router(config-if)#ip address 10.255.255.81 255.0.0.0
Router(config-if)#ip address 10.255.255.81 255.0.0.0
Router(config-if)#ip address 10.255.255.81 255.255.255.252
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address
% Incomplete command.
Router(config-if)#no shutdown
Router(config-if)#
%LINK-3-CHANGED: Interface FastEthernet0/0, changed state to up
ip address 192.168.10.65 255.255.255.0
Router(config-if)#ip address 192.168.10.65 255.255.255.0
Router(config-if)#ip address 192.168.10.65 255.255.255.248
Router(config-if)#ip address 192.168.10.65 255.255.255.248
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Router(config-if)#exit
Router(config)#
Router(config)#ip route 10.255.255.81 255.255.255.252 10.255.255.82
%Inconsistent address and mask
Router(config)#ip route 10.255.255.80 255.255.255.252 10.255.255.82
Router(config)#ip route 192.168.10.16 255.255.255.0 10.255.255.82
%Inconsistent address and mask
Router(config)#
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#ip route 192.168.10.16 255.255.255.0 10.255.255.82
```

At the bottom of the window, there is a 'Top' button and a watermark that reads 'Activate Windows. Go to Settings to activate Windows.' with 'Copy' and 'Paste' buttons.

```

Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#ip route 192.168.10.16 255.255.255.0 10.255.255.82
%Inconsistent address and mask
Router(config)#ip route 192.168.10.0 255.255.255.0 10.255.255.82
Router(config)#ip route 10.255.255.8 255.255.255.252 10.255.255.82
Router(config)#
%LINK-5-CHANGED: Interface Serial0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0, changed state to up

```

For Router 1

Router1

Physical

Config

CLI

Attributes

IOS Command Line Interface

```

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Serial0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0, changed state to up
ip address 10.255.255.82 255.0.0.0
Router(config-if)#ip address 10.255.255.82 255.0.0.0
Router(config-if)#ip address 10.255.255.82 255.255.255.252
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/1
Router(config-if)#ip address
% Incomplete command
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1, changed state to up
ip address 10.255.255.9 255.255.255.252
Router(config-if)#ip address 10.255.255.9 255.255.255.252
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#ip route 192.168.10.64 255.255.255.248 10.255.255.81
Router(config)#ip route 10.255.255.80 255.255.255.252 10.255.255.81
Router(config)#ip route 192.168.10.0 255.255.255.0 10.255.255.10
Router(config)#ip route 10.255.255.8 255.255.255.252 10.255.255.10
Router(config)#
Router(config)#
Router(config)#end
Router#

```

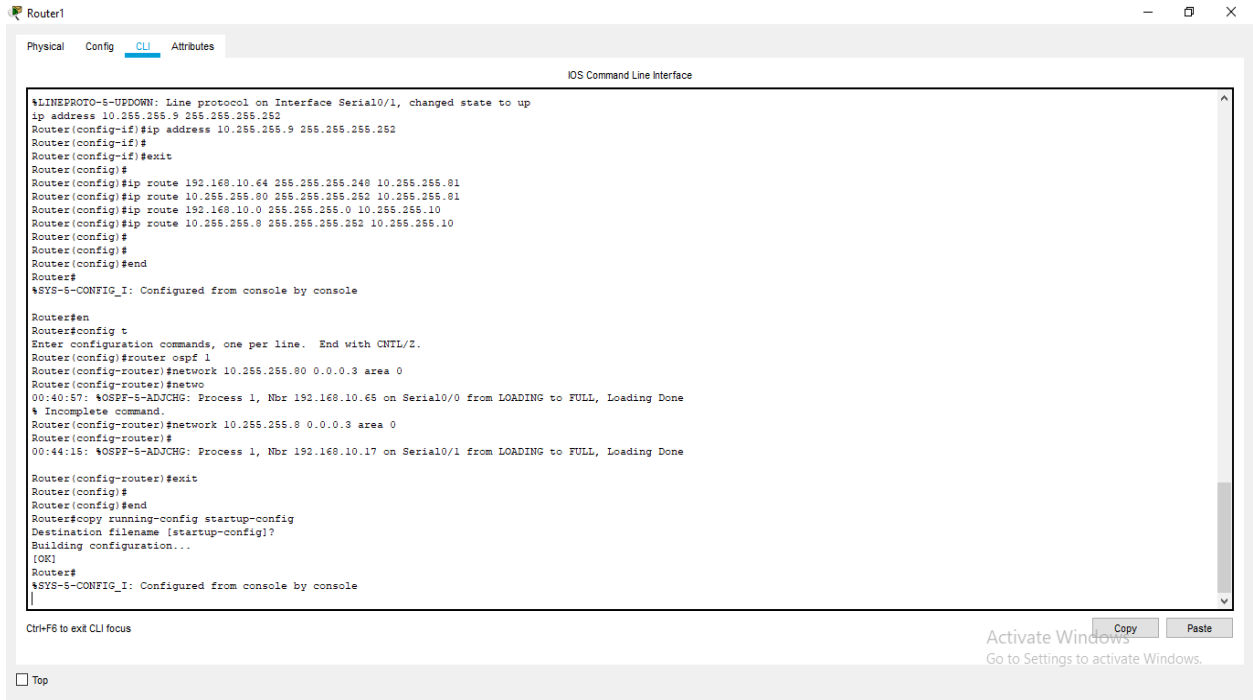
Ctrl+F6 to exit CLI focus

Copy Paste

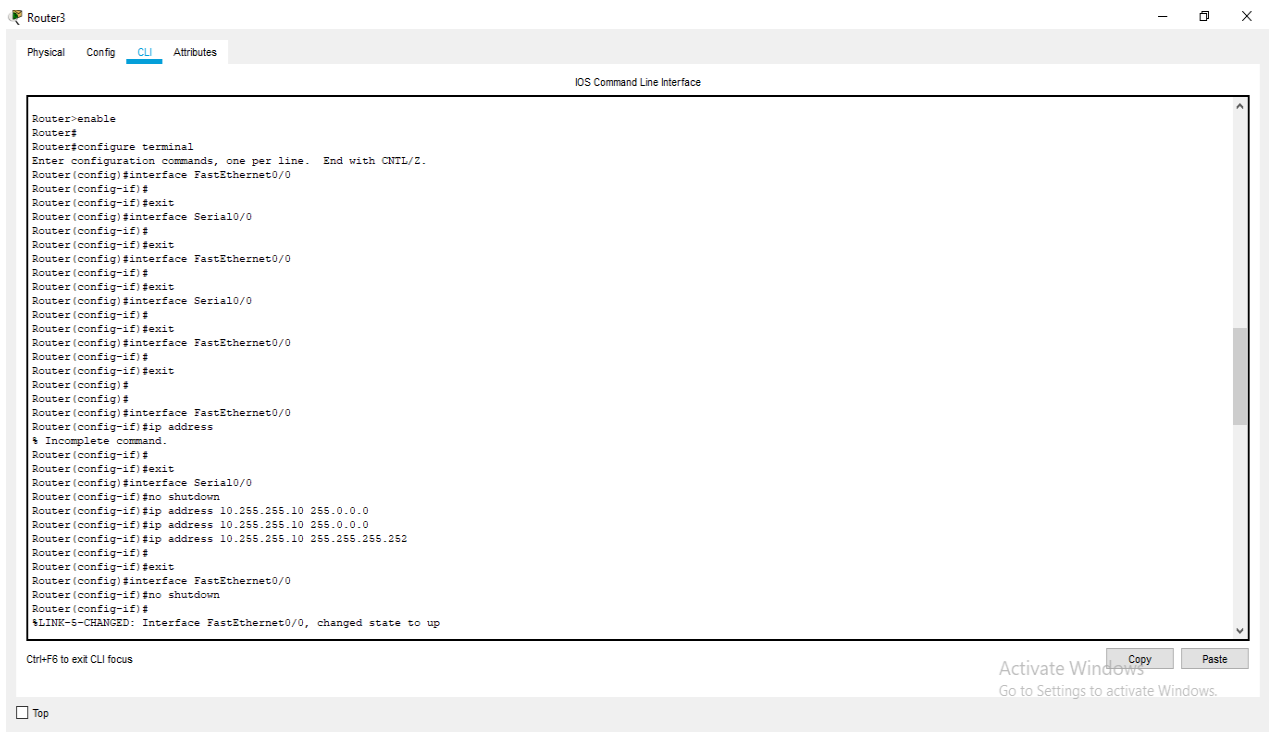
Top

Activate Windows

Go to Settings to activate Windows.



For Router 3



Router3

Physical Config CLI Attributes

IOS Command Line Interface

```
* Incomplete command.
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0
Router(config-if)#no shutdown
Router(config-if)#ip address 10.255.255.10 255.0.0.0
Router(config-if)#ip address 10.255.255.10 255.0.0.0
Router(config-if)#ip address 10.255.255.10 255.255.255.252
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
ip address 192.168.10.17 255.255.255.0
Router(config-if)#ip address 192.168.10.17 255.255.255.0
Router(config-if)#
*LINK-5-CHANGED: Interface Serial0/0, changed state to up

*LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0, changed state to up

Router con0 is now available

Press RETURN to get started.
```

Ctrl+F6 to exit CLI focus

Copy Paste

Activate Windows
Go to Settings to activate Windows.

Top

Router3

Physical Config CLI Attributes

IOS Command Line Interface

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#ip route 192.168.10.64 255.255.255.248 10.255.255.9
Router(config)#ip route 10.255.255.80 255.255.255.252 10.255.255.9
Router(config)#ip route 10.255.255.8 255.255.255.252 10.255.255.9
Router(config)#
Router(config)#end
Router#
*SYS-5-CONFIG_I: Configured from console by console

Router#en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router ospf 1
Router(config-router)#network 192.168.10.16 0.0.0.7 area 0
Router(config-router)#network 192.168.10.0 0.0.0.7 area 0
Router(config-router)#network 10.255.255.8 0.0.0.3 area 0
* Incomplete command.
Router(config-router)#network 10.255.255.8 0.0.0.3 area 0
Router(config-router)#
00:44:05: %OSPF-5-ADJCHG: Process 1, Nbr 10.255.255.82 on Serial0/0 from LOADING to FULL, Loading Done

Router(config-router)#exit
Router(config)#
Router(config)#end
Router#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Router#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Activate Windows
Go to Settings to activate Windows.

Top