

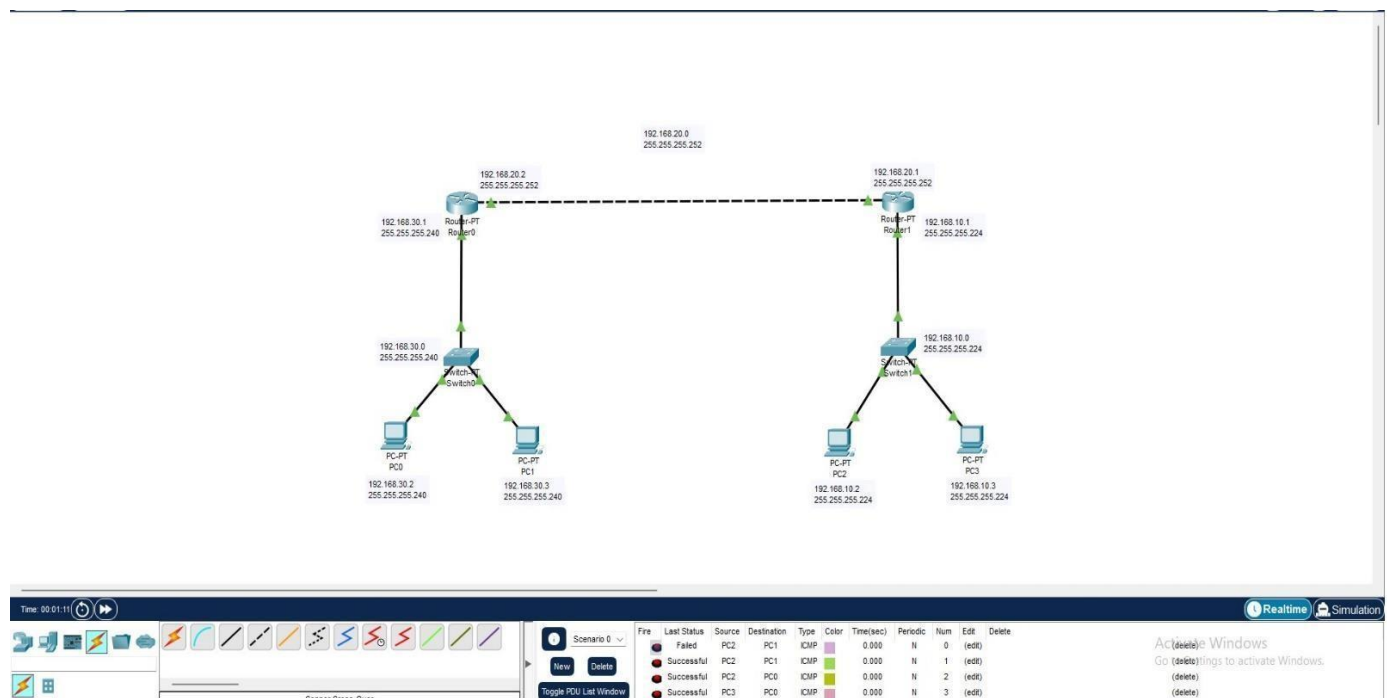
CN LAB Detailed Procedures

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Lab 7: Implementation of RIP Version 1

● Procedure:

1. Open Packet Tracer:
 - Launch Cisco Packet Tracer on your computer.
2. Create a Network:
 - Drag three routers onto the workspace and connect them in a linear topology.
 - Connect a computer to each router using Ethernet cables.
3. Configure IP Addresses:
 - Assign IP addresses to each interface on the routers and computers.
4. Enable RIP Version 1:
 - Access the CLI of each router.
 - Enable RIP routing: `router rip, version 1.`
 - Advertise connected networks: `network <network address>.`
5. Test Connectivity:
 - Use the ping command to test connectivity between the computers



Logical Physical 128 y 259

Router0

Physical Config CLI Attributes

IOS Command Line Interface

Press RETURN to get started.

```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip address 192.168.30.1 255.255.255.240
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#int fa1/0
Router(config-if)#ip address 192.168.20.1 255.255.255.252
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#network 192.168.30.0
Router(config-router)#network 192.168.20.0
Router(config-router)#exit
Router#
*SYS-6-CONFIG_1: Configured from console by console
Router#
```

Copy Paste

Time: 00:05:06

Scenario 0

Fire

Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Failed	PC2	PC1	ICMP		0.000	N	0	(edit)	
Successful	PC2	PC1	ICMP		0.000	N	1	(edit)	
Successful	PC2	PC3	ICMP		0.000	N	2	(edit)	
Successful	PC3	PC3	ICMP		0.000	N	3	(edit)	

Activate Windows
Go to Settings to activate Windows.

Router1

Physical Config CLI Attributes

IOS Command Line Interface

```
Processor board ID PT0123 (0123)
PT2200S processor: part number 0, mask 01
Routing software.
X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
2 down-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63489K bytes of ATA CompactFlash (Read/Write)

Press RETURN to get started!

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip address 192.168.10.1 255.255.255.224
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#int fa1/0
Router(config-if)#ip address 192.168.20.2 255.255.255.252
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#network 192.168.10.0
Router(config-router)#network 192.168.20.0
Router(config-router)#exit
Router#
*SYS-6-CONFIG_1: Configured from console by console
Router#
```

Copy Paste

Time: 00:02:16

Scenario 0

Fire

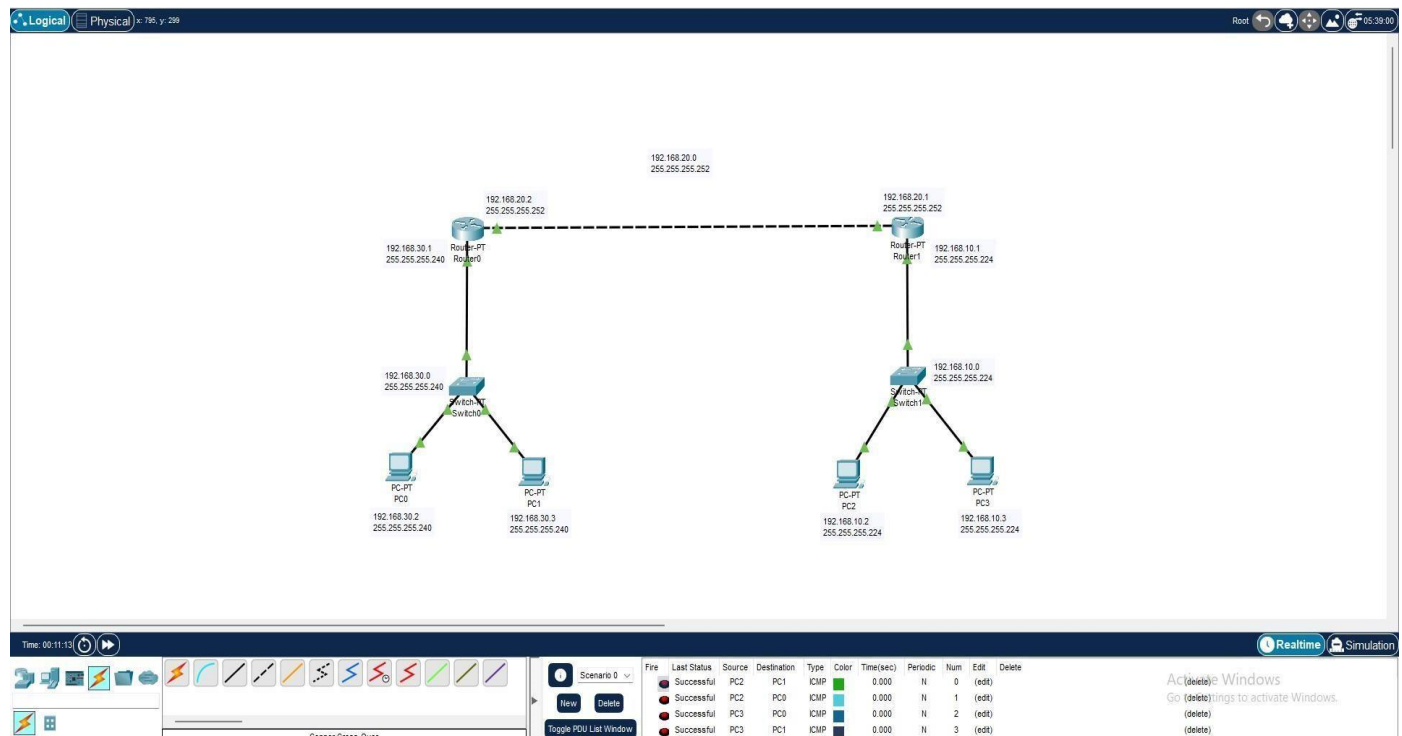
Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Failed	PC2	PC1	ICMP		0.000	N	0	(edit)	
Successful	PC2	PC1	ICMP		0.000	N	1	(edit)	
Successful	PC2	PC3	ICMP		0.000	N	2	(edit)	
Successful	PC3	PC3	ICMP		0.000	N	3	(edit)	

Activate Windows
Go to Settings to activate Windows.

Lab 8: Implementation of RIP Version 2

● Procedure:

1. Open Packet Tracer:
 - Launch Cisco Packet Tracer on your computer.
2. Create a Network:
 - Drag three routers onto the workspace and connect them in a linear topology.
 - Connect a computer to each router using Ethernet cables.
3. Configure IP Addresses:
 - Assign IP addresses to each interface on the routers and computers.
4. Enable RIP Version 2:
 - Access the CLI of each router.
 - Enable RIP routing: `router rip, version 2`.
 - Advertise connected networks: `network <network address>`.
5. Test Connectivity:
 - Use the ping command to test connectivity between the computers



Logical Physical x 155 y 159

Router0

Physical Config CLI Attributes

IOS Command Line Interface

Press RETURN to get started.

```
Router>en
Router>conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip address 192.168.30.1 255.255.255.240
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#int fa1/0
Router(config-if)#ip address 192.168.20.1 255.255.255.252
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#version 2
Router(config-router)#network 192.168.30.0
Router(config-router)#network 192.168.20.0
Router(config-router)#no auto summary
Router(config-router)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#
```

Copy Paste

Time: 00:10:04

Scenario 0

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

Successful	PC2	PC1	ICMP		0.000	N	0	(edit)
Successful	PC2	PC0	ICMP		0.000	N	1	(edit)
Successful	PC3	PC0	ICMP		0.000	N	2	(edit)
Successful	PC3	PC1	ICMP		0.000	N	3	(edit)

Activate Windows
Go to Settings to activate Windows.

Logical Physical x 170 y 169

Router1

Physical Config CLI Attributes

IOS Command Line Interface

Press RETURN to get started.

```
Router>en
Router>conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip address 192.168.10.1 255.255.255.224
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#int fa1/0
Router(config-if)#ip address 192.168.20.2 255.255.255.252
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#version 2
Router(config-router)#network 192.168.10.0
Router(config-router)#network 192.168.20.0
Router(config-router)#no auto summary
Router(config-router)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#
```

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Time: 00:10:33

Scenario 0

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

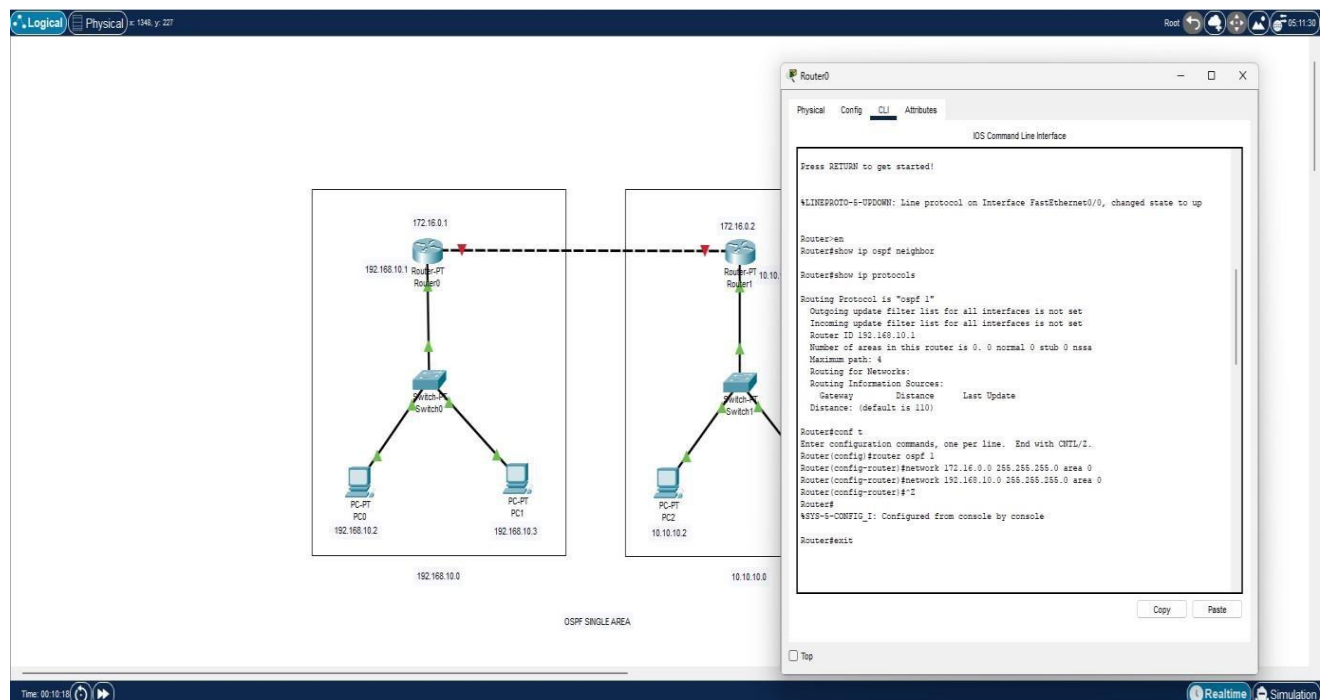
Successful	PC2	PC1	ICMP		0.000	N	0	(edit)
Successful	PC2	PC0	ICMP		0.000	N	1	(edit)
Successful	PC3	PC0	ICMP		0.000	N	2	(edit)
Successful	PC3	PC1	ICMP		0.000	N	3	(edit)

Activate Windows
Go to Settings to activate Windows.

Lab 9: Implementation of Single Area OSPF

● Procedure:

1. Open Packet Tracer:
 - Launch Cisco Packet Tracer on your computer.
2. Create a Network:
 - Drag three routers onto the workspace and connect them in a triangular topology.
 - Connect a computer to each router using Ethernet cables.
3. Configure IP Addresses:
 - Assign IP addresses to each interface on the routers and computers.
4. Enable OSPF:
 - Access the CLI of each router.
 - Enable OSPF: `router ospf 1`.
 - Advertise connected networks: `network <network address> area 0`.
5. Test Connectivity:
 - Use the ping command to test connectivity between the computers



Logical Physical x: 995, y: 330 Root 07:38:30

Router0

Physical Config CLI Attributes

IOS Command Line Interface

Press RETURN to get started.

Router>en
Router#show ip ospf neighbor
Router#show ip protocols

Routing Protocol is "ospf 1"
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Router ID 192.168.10.1
Number of areas in this router is 1. 1 normal 0 stub 0 nssa
Maximum path: 4
Routing for Networks:
192.168.0.0 0.0.0.255 area 0
192.168.10.0 0.0.0.255 area 0
Routing Information Sources:
Gateway Distance Last Update
192.168.10.1 110 00:13:42
Distance: (default is 110)

Router#

Copy Paste

Time: 00:15:05 Realtime Simulation

Logical Physical x: 1108, y: 755 Root 08:54:30

Router1

Physical Config CLI Attributes

IOS Command Line Interface

Router>en
Router#show ip ospf neighbor
Router#show ip protocols

Routing Protocol is "ospf 1"
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Router ID 10.10.10.1
Number of areas in this router is 0. 0 normal 0 stub 0 nssa
Maximum path: 4
Routing for Networks:
Routing Information Sources:
Gateway Distance Last Update
Distance: (default is 110)

Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router ospf 1
Router(config-router)#network 172.16.0.0 255.255.255.0 area 0
Router(config-router)#network 10.10.10.0 255.255.255.0 area 0
Router(config-router)#2
Router#
SYS-5-CONFIG_I: Configured from console by console
Router#exit

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Time: 00:13:42 Realtime Simulation

Logical Physical x: 810, y: 623

Root

Router1

Physical Config CLI Attributes

IOS Command Line Interface

Press RETURN to get started.

```
Router>en
Router#show ip protocols
Routing Protocol is "ospf 1"
  Outgoing update filter list for all interfaces is not set
  Incoming update filter list for all interfaces is not set
  Router ID 10.10.10.1
  Number of areas in this router is 1. 1 normal 0 stub 0 nssa
  Maximum path: 4
  Routing for Networks:
    172.16.0.0 0.0.0.255 area 0
    10.10.10.0 0.0.0.255 area 0
  Routing Information Sources:
    Gateway         Distance      Last Update
    10.10.10.1             110          00:06:16
  Distance: (default is 110)
```

Copy Paste

Top

OSPF SINGLE AREA

Time: 00:14:00

Realtime Simulation

Logical Physical x: 1448, y: 507

Root

Time: 00:20:33

Realtime Simulation

Scenario 0

Now Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
●	Successful	PC0	PC2	ICMP		0.000	N	0	(edit)	(delete)
●	Successful	PC1	PC2	ICMP		0.000	N	1	(edit)	(delete)
●	Successful	PC3	PC1	ICMP		0.000	N	2	(edit)	(delete)
●	Successful	PC2	PC0	ICMP		0.000	N	3	(edit)	(delete)

Copper Cross-Over

Activate Windows
Go to Settings to activate Windows.

Lab 10: Implementation of Multi Area OSPF

● Procedure:

1. Open Packet Tracer:

- Launch Cisco Packet Tracer on your computer.

2. Create a Network:

- Drag four routers onto the workspace and connect them to form two separate OSPF areas with an Area 0 backbone.

- Connect a computer to each router using Ethernet cables.

3. Configure IP Addresses:

- Assign IP addresses to each interface on the routers and computers.

4. Enable OSPF:

- Access the CLI of each router.

- Enable OSPF on Area 0 routers: `router ospf 1.`

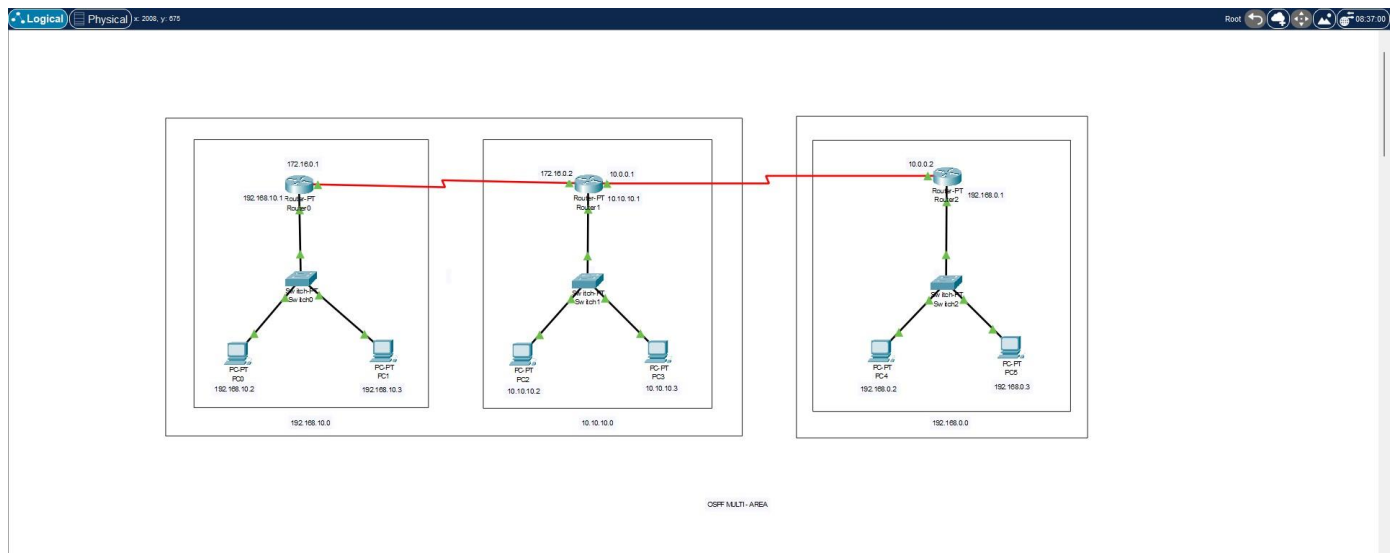
- Advertise connected networks: `network <network address> area 0.`

- Enable OSPF on Area 1 routers: `router ospf 1.`

- Advertise connected networks: `network <network address> area 5.`

Test Connectivity:

- Use the ping command to test connectivity between the computers.



Time: 00:16:49

Scenario 0

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	PC2	PC4	ICMP			0.000	N	0	(edit)	
Successful	PC2	PC5	ICMP			0.000	N	1	(edit)	
Successful	PC4	PC2	ICMP			0.000	N	2	(edit)	
Successful	PC4	PC3	ICMP			0.000	N	3	(edit)	

Activate Windows
Go to Settings to activate Windows.

Logical Physical x: 1558, y: 308

Root 08:04:00

Router0

Physical Config CLI Attributes

IOS Command Line Interface

```

Router>en
Router>conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router ospf 1
Router(config-router)#network 172.16.0.0 255.255.255.0 area 0
Router(config-router)#network 192.168.10.0 255.255.255.0 area 0
Router(config-router)#2
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#

Router con0 is now available
  
```

Copy Paste

Time: 00:17:42

Realtime Simulation

Logical Physical x: 1043, y: 435

Root 09:21:30

Router0

Physical Config CLI Attributes

IOS Command Line Interface

```
Router>show ip protocols

Routing Protocol is "ospf 1"
  Outgoing update filter list for all interfaces is not set
  Incoming update filter list for all interfaces is not set
  Router ID 192.168.10.1
  Number of areas in this router is 1. 1 normal 0 stub 0 nssa
  Maximum path: 4
  Routing for Networks:
    172.16.0.0 0.0.0.255 area 0
    192.168.10.0 0.0.0.255 area 0
  Routing Information Sources:
    Gateway         Distance      Last Update
    172.16.0.3       110          00:16:31
    192.168.10.1     110          00:16:39
  Distance: (default is 110)

Routing Protocol is "ospf 1"
  Outgoing update filter list for all interfaces is not set
  Incoming update filter list for all interfaces is not set
  Router ID 172.16.0.1
  Number of areas in this router is 1. 1 normal 0 stub 0 nssa
  Maximum path: 4
  --More--
```

Copy Paste

Top

Time: 00:13:18

Logical Physical x: 2207, y: 717

Root 09:48:00

Router1

Physical Config CLI Attributes

IOS Command Line Interface

```
Router con0 is now available.

Press RETURN to get started.

Router>en
Router>conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router ospf 2
Router(config-router)#network 172.16.0.0 255.255.255.0 area 0
Router(config-router)#network 10.10.10.0 255.255.255.0 area 1
Router(config-router)#2
Router>
%SYS-5-CONFIG_I: Configured from console by console

00:10:17: %OSPF-5-ADJCHG: Process 2, Nbr 192.168.0.1 on Serial3/0 from LOADING to FULL, Loading Done
```

Copy Paste

Top

Logical Physical x: 170, y: 571

Root 10:08:30

Router1

Physical Config CLI Attributes

IOS Command Line Interface

```

Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#show ip protocols

Routing Protocol is "ospf 1"
  Outgoing update filter list for all interfaces is not set
  Incoming update filter list for all interfaces is not set
  Router ID 172.16.0.2
  Number of areas in this router is 1. 1 normal 0 stub 0 nssa
  Maximum path: 4
  Routing for Networks:
    172.16.0.0 0.0.0.255 area 0
    10.10.10.0 0.0.0.255 area 0
  Routing Information Sources:
    Gateway         Distance      Last Update
    172.16.0.2       110           00:18:02
    192.168.10.1     110           00:18:10
  Distance: (default is 110)

Routing Protocol is "ospf 2"
  Outgoing update filter list for all interfaces is not set
  Incoming update filter list for all interfaces is not set
  Router ID 10.10.10.1
  Number of areas in this router is 2. 2 normal 0 stub 0 nssa
  Maximum path: 4
  --More--
  
```

Copy Paste

Top

Time: 00:19:44

Realtime Simulation

Logical Physical x: 1553, y: 703

Root 10:29:00

Router2

Physical Config CLI Attributes

IOS Command Line Interface

```

256 bytes of non-volatile configuration memory.
65536 bytes of ATA CompactFlash (Read/Write)

Press RETURN to get started!

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINK-5-CHANGED: Interface Serial3/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

Router#en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router ospf 2
Router(config-router)#network 10.0.0.0 255.255.255.0 area 1
Router(config-router)#network 192.168
00:10:17: %OSPF-5-ADJCHG: Process 2, Nbr 10.10.10.1 on Serial3/0 from LOADING to FULL
Router(config-router)#network 192.168.0.0 255.255.255.0 area 1
Router(config-router)#2
Router#
%SYS-5-CONFIG_I: Configured from console by console

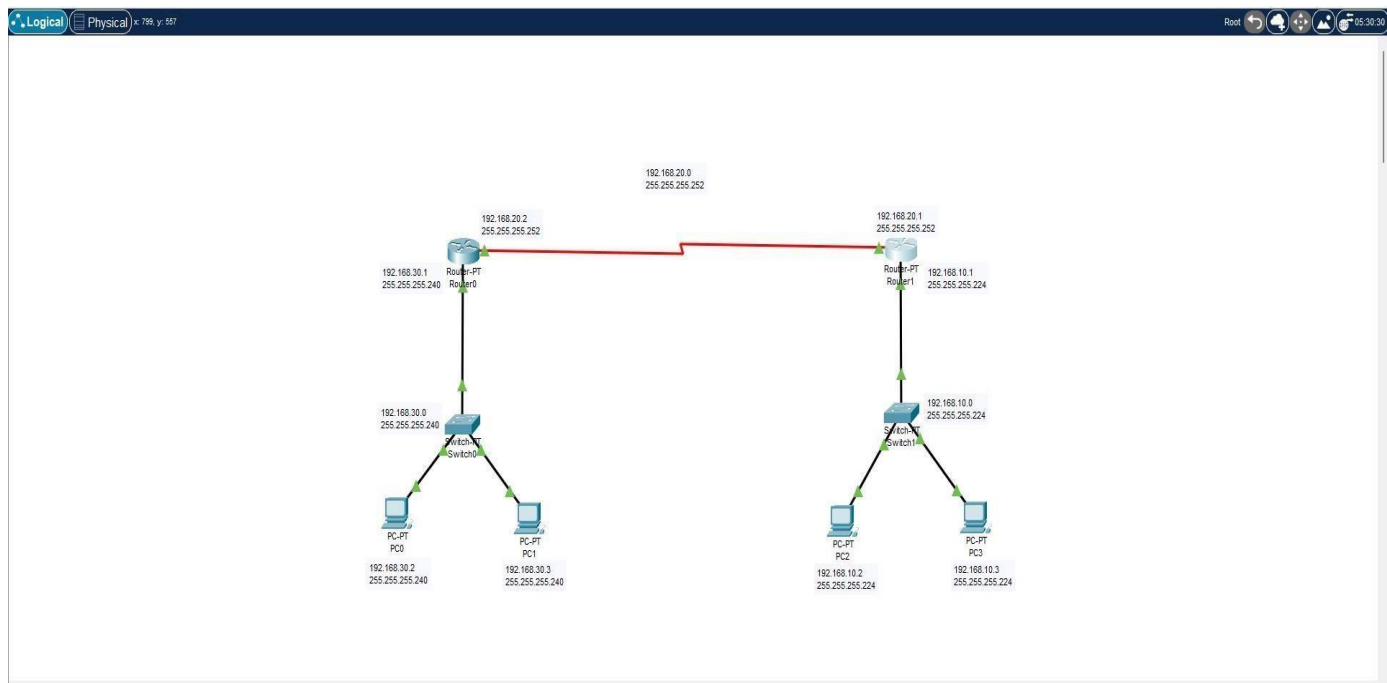
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Serial3/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial2/0
  
```

Copy Paste

Top

Time: 00:20:28

Realtime Simulation



Time: 00:10:56

Logical Physical x: 1441, y: 41

Root 12:18:19

```
graph TD
    Router0[Router0: 192.168.30.1/24] --- S[Serial: 192.168.20.0/24]
    Router0 --- Switch0[Switch0: 192.168.30.0/24]
    Switch0 --- PC0[PC0: 192.168.30.2/24]
    Switch0 --- PC1[PC1: 192.168.30.3/24]
```

Router0

Physical Config CLI Attributes

IOS Command Line Interface

Press RETURN to get started.

```
Router>en
Router>conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int serial 2/0
Router(config-if)#clock rate 128000
This command applies only to DCE interfaces
Router(config-if)#encapsulation ppp
Router(config-if)#ppp ?
authentication Set PPP link authentication method
chap Set CHAP authentication parameters
pap Set PAP authentication parameters
Router(config-if)#ppp authentication chap
Router(config-if)#ip address 192.168.20.2 255.255.255.252
Router(config-if)#no shut
Router(config-if)#end
Router#
!SYS-5-CONFIG_I: Configured from console by console

Router#copy run start
Destination filename [startup-config]?
Building configuration...
[OK]
Router#
```

Time: 00:04:34

Scenario 0

New Delete

Toggle PDU List Window

Serial DTE

Activate Windows
Go to Settings to activate Windows.

Logical Physical x 988, y 518

Time: 00:09:52

Root

Router0

Physical Config CLI Attributes

IOS Command Line Interface

```

chap      Set CHAP authentication parameters
pap       Set PAP authentication parameters
Router(config-if)#ppp authentication chap
Router(config-if)#ip address 192.168.20.2 255.255.255.252
Router(config-if)#no shut
Router(config-if)#end
Router#
%SYS-6-CONFIG_I: Configured from console by console

Router#copy run start
Destination filename [startup-config]?
Building configuration...
[OK]
Router#show interface serial 2/0
Serial2/0 is up, line protocol is down (disabled)
Hardware is HD44570
Internet address is 192.168.20.2/30
MTU 1500 bytes, BW 128 Kbit, DLY 20000 usec,
reliability 255/255, txload 1/255, rxload 1/255
Encapsulation HDLC, loopback not set, keepalive sec (10 sec)
LCP Closed
Closed: LENCOP, BRIDGEOP, IPCOP, CDP, CDPOR, LLC2, BACP
Last input never, output never, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0 (size/max/drops); Total output drops: 0
Queueing strategy: weighted fair
Output queue: 0/1000/64/0 (size/max total/threshold/drops)
Conversations 0/0/256 (active/max active/max total)
Reserved Conversations 0/0 (allocated/max allocated)
Available Bandwidth 96 kilobits/sec
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
0 packets input, 0 bytes, 0 no buffer
Received 0 broadcasts, 0 runts, 0 giants, 0 throttles
0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored, 0 abort
0 packets output, 0 bytes, 0 underruns
--More--
  
```

Copy Paste

Top

Time: 00:09:52

Realtime Simulation

Logical Physical x 1453, y 29

Time: 00:07:30

Root

Router1

Physical Config CLI Attributes

IOS Command Line Interface

```

1 Low-speed serial(sync/asynch) network interface(s):
32K bytes of non-volatile configuration memory.
63408K bytes of ATA CompactFlash (Read/Write)

Press RETURN to get started!

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINE-6-CHANGED: Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to down

Router#en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int serial 2/0
Router(config-if)#encapsulation ppp
Router(config-if)#ppp ?
authentication Set PPP link authentication method
chap           Set CHAP authentication parameters
pap            Set PAP authentication parameters
Router(config-if)#ppp authentication chap
Router(config-if)#ip address 192.168.20.1 255.255.255.252
Router(config-if)#no shut
Router(config-if)#end
Router#
%SYS-6-CONFIG_I: Configured from console by console

Router#copy run start
Destination filename [startup-config]?
Building configuration...
[OK]
Router#
  
```

Copy Paste

Top

Time: 00:07:30

Realtime Simulation

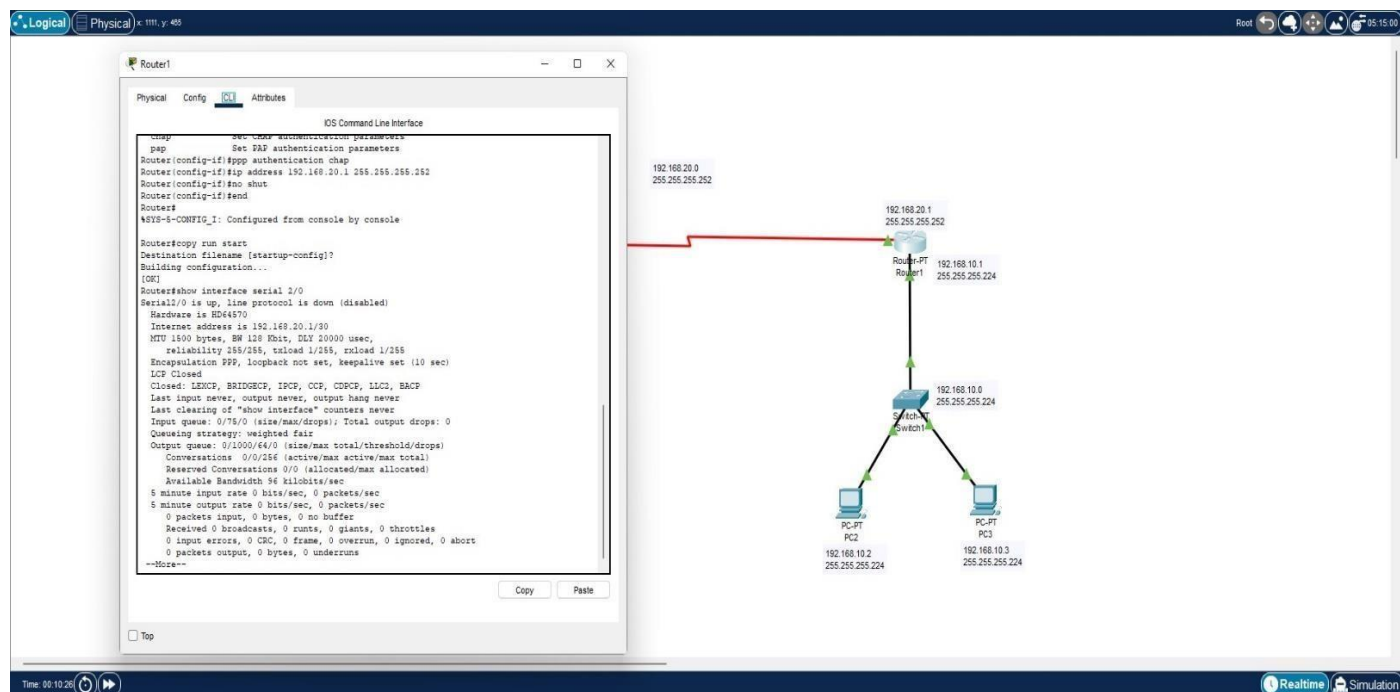
Scenario 0

New Delete

Toggle PDU List Window

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

Activate Windows
Go to Settings to activate Windows.

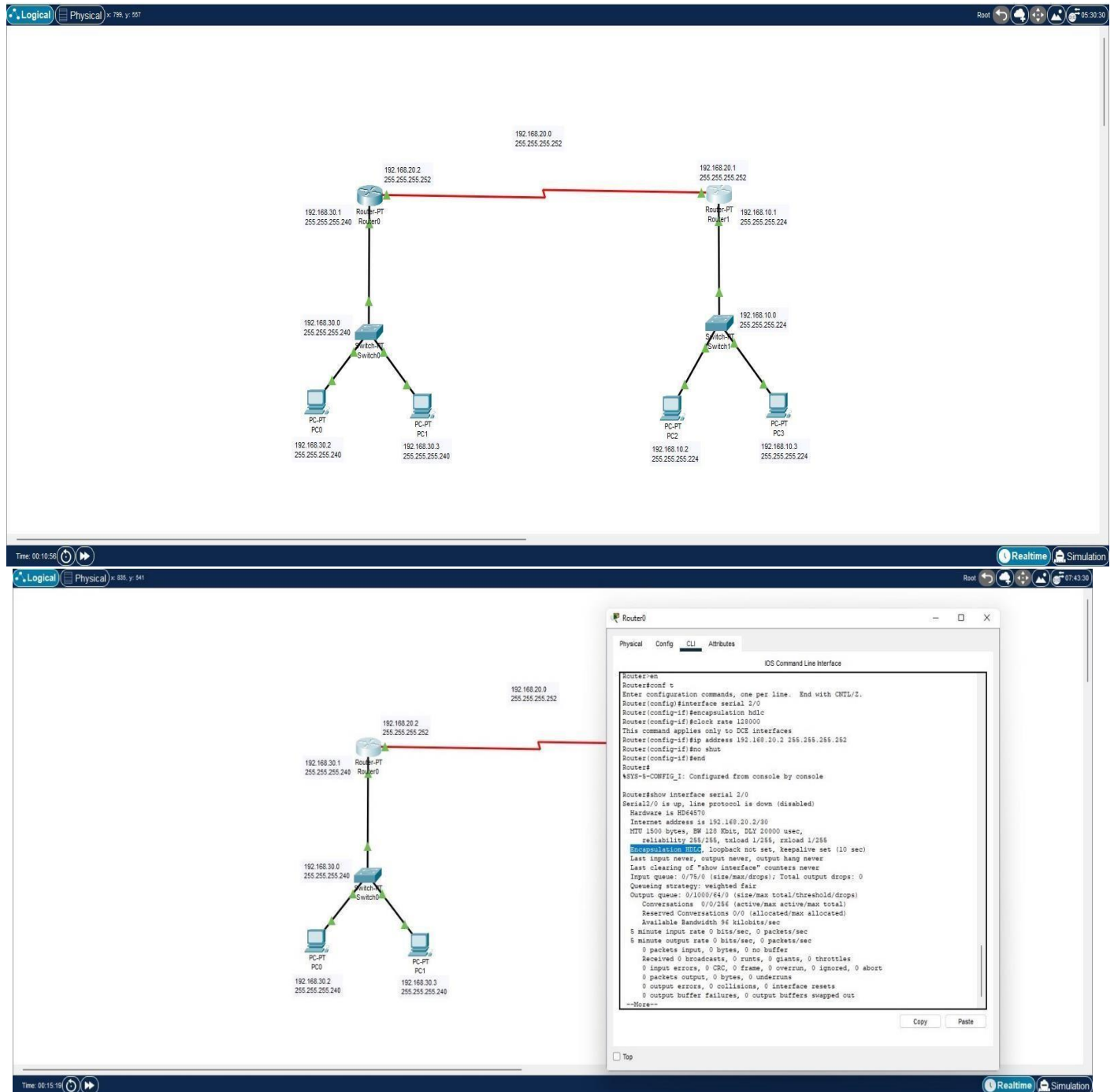


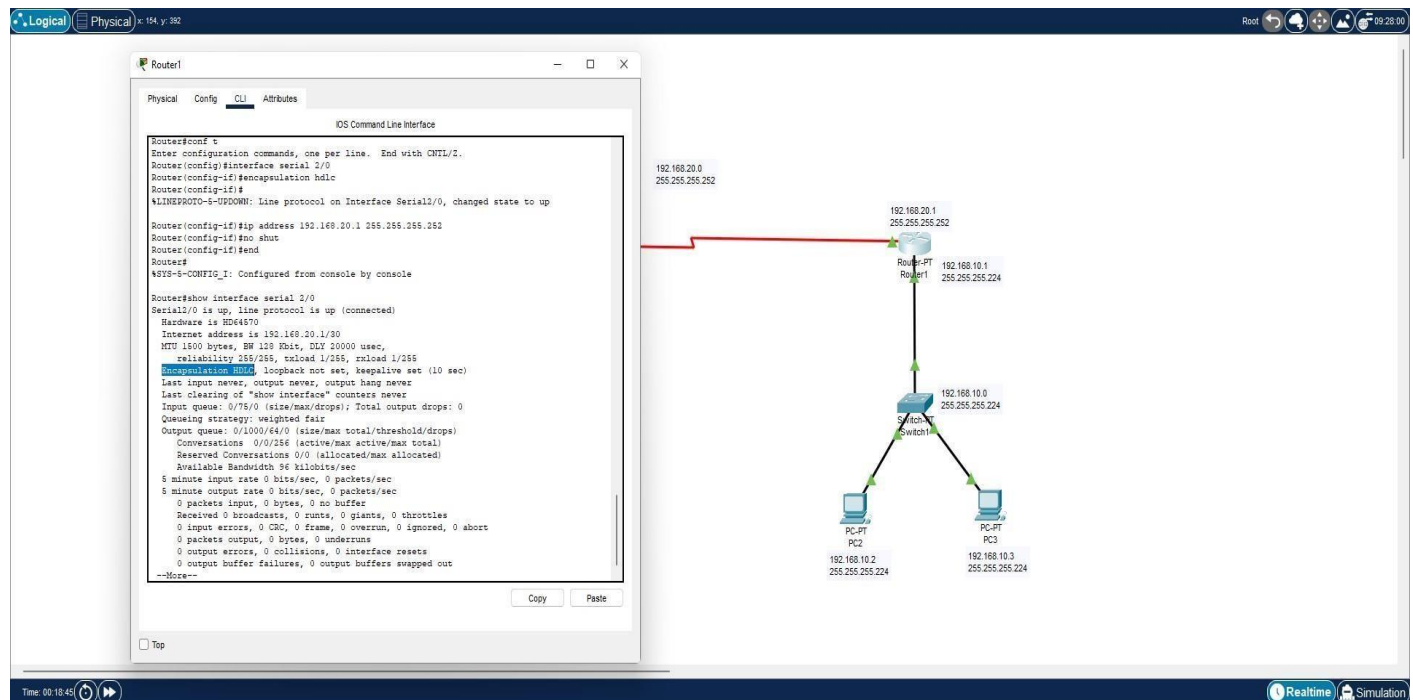
Lab 12: HDLC Configuration

● Procedure:

1. Open Packet Tracer:
 - Launch Cisco Packet Tracer on your computer.
2. Create a Network:
 - Drag two routers onto the workspace and connect them using a serial connection.
 - Connect a computer to each router using Ethernet cables.
3. Configure IP Addresses:
 - Assign IP addresses to each interface on the routers and computers.
4. Configure HDLC:
 - Access the CLI of each router.
 - Enter interface configuration mode for the serial interface: interface serial 0/0/0.
 - Enable HDLC encapsulation: encapsulation hdlc.
5. Test Connectivity:

- Use the ping command to test connectivity between the computers.





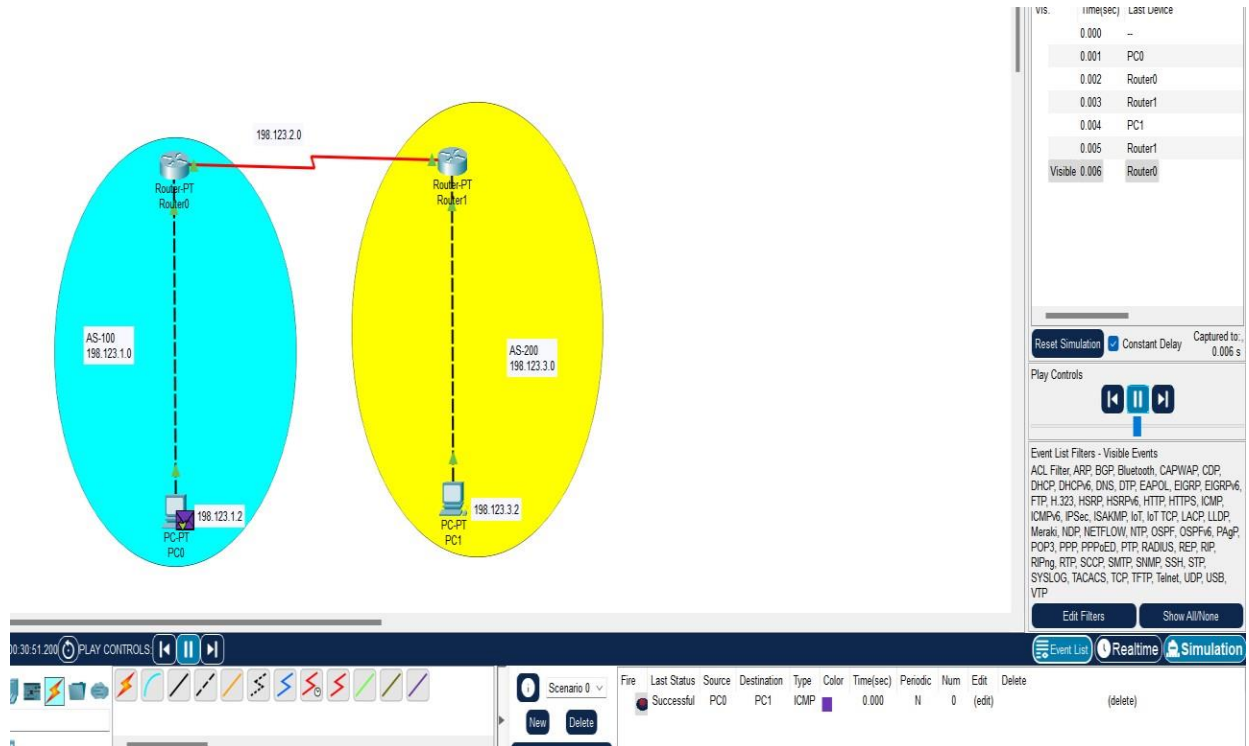
Lab 13: Implementation of BGP

● Procedure:

1. Open Packet Tracer:
 - Launch Cisco Packet Tracer on your computer.
2. Create a Network:
 - Drag two routers onto the workspace and connect them to form separate autonomous systems (AS).
 - Connect a computer to each router using Ethernet cables.
3. Configure IP Addresses:
 - Assign IP addresses to each interface on the routers and computers.
4. Enable BGP:
 - Access the CLI of each router.
 - Enable BGP on each router: `router bgp <AS number>`.
 - Establish BGP peering: `neighbor <IP address> remote-as <AS number>`.
 - Advertise connected networks: `network <network address>`.

5. Test Connectivity:

- Use the ping command to test connectivity between the computers.



Lab 14: Implementation of EIGRP

● Procedure:

1. Open Packet Tracer:
 - Launch Cisco Packet Tracer on your computer.
2. Create a Network:
 - Drag three routers onto the workspace and connect them in a triangular topology.
 - Connect a computer to each router using Ethernet cables.
3. Configure IP Addresses:
 - Assign IP addresses to each interface on the routers and computers.
4. Enable EIGRP:
 - Access the CLI of each router.
 - Enable EIGRP: `router eigrp 1`.
 - Advertise connected networks: `network <network address>`.
5. Test Connectivity:

- Use the ping command to test connectivity between the computers.

Lab 15: Telnet Configuration

● Procedure:

1. Open Packet Tracer:
 - Launch Cisco Packet Tracer on your computer.
2. Create a Network:
 - Drag a router and a computer onto the workspace.
 - Connect the computer to the router using an Ethernet cable.
3. Configure IP Addresses:
 - Assign IP addresses to the router and computer.
4. Enable Telnet:
 - Access the CLI of the router.
 - Enter global configuration mode: enable, configure terminal.
 - Enable Telnet: line vty 0 4, password cisco, login.
5. Test Telnet Connectivity:
 - Use the Command Prompt on the computer to connect to the router using Telnet: telnet <router IP address>.

