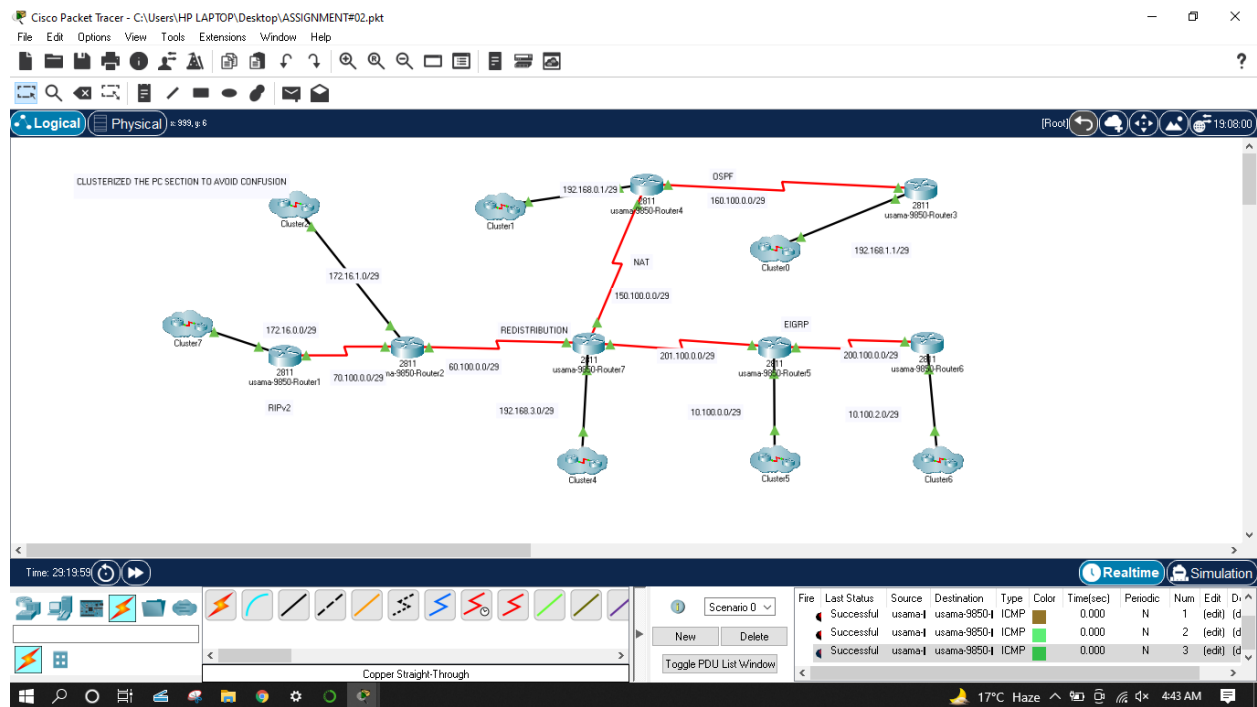
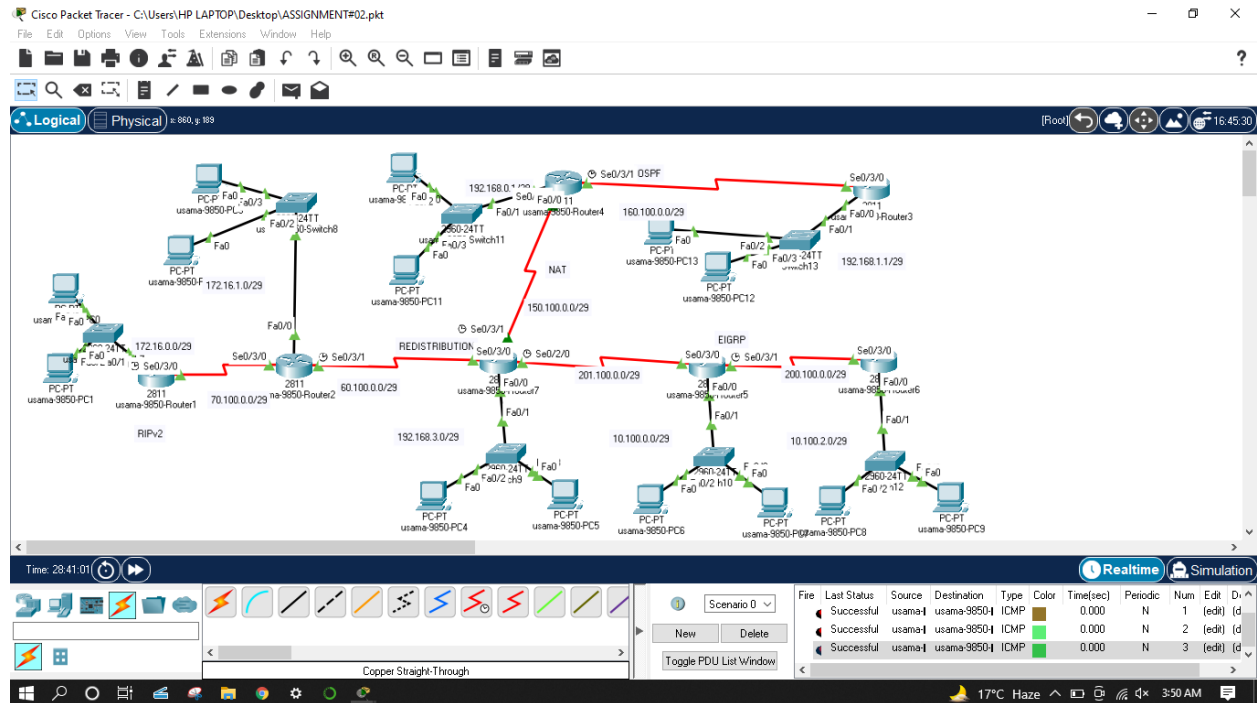
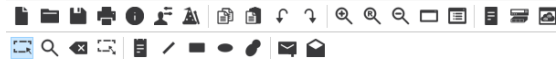


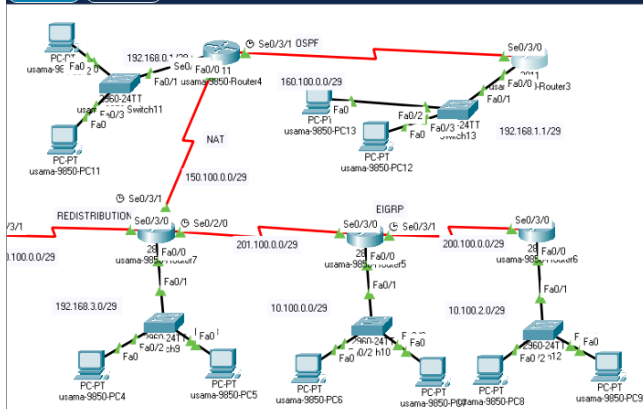
MUHAMMAD USAMA ASHRAF 9850

ASSIGNMENT NO 02





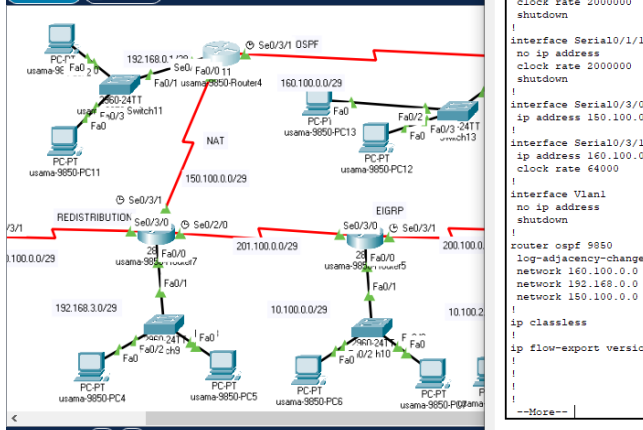
Logical Physical 183, p. 108



Time: 28:41:57



Logical Physical 853, p. 454



Time: 28:42:11



Copper Straight-Through

```
!
interface Serial10/1/0
no ip address
clock rate 2000000
shutdown
!
interface Serial10/1/1
no ip address
clock rate 2000000
shutdown
!
interface Serial10/3/0
ip address 160.100.0.1 255.255.255.248
ip nat outside
!
interface Serial10/3/1
no ip address
clock rate 2000000
shutdown
!
interface Vlan1
no ip address
shutdown
!
router ospf 9850
log-adjacency-changes
network 192.168.1.0 0.0.0.7 area 0
network 160.100.0.0 0.0.0.7 area 0
!
ip nat inside source static 192.168.1.2 160.100.0.3
ip classless
!
ip flow-export version 9
!
```

Ctrl+F6 to exit CLI focus

Copy Pa

Top

Toggle PDU List Window

17°C Haze 3:55 AM

```
interface Serial10/1/0
no ip address
clock rate 2000000
shutdown
!
interface Serial10/1/1
no ip address
clock rate 2000000
shutdown
!
interface Serial10/3/0
ip address 160.100.0.1 255.255.255.248
!
interface Serial10/3/1
ip address 160.100.0.2 255.255.255.248
clock rate 64000
!
interface Vlan1
no ip address
shutdown
!
router ospf 9850
log-adjacency-changes
network 160.100.0.0 0.0.0.7 area 0
network 192.168.0.0 0.0.0.7 area 0
network 150.100.0.0 0.0.0.7 area 0
!
ip classless
!
ip flow-export version 9
!
```

Ctrl+F6 to exit CLI focus

Copy

Paste

Top

Toggle PDU List Window

Successful usama-9850-Router4 ICMP 0.000

17°C Haze 3:56 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT#02.pkt

File Edit Options View Tools Extensions Window Help

Physical Config CLI Attributes

IOS Command Line Interface

```
shutdown
!
interface Serial0/1/0
no ip address
clock rate 2000000
shutdown
!
interface Serial0/1/1
no ip address
clock rate 2000000
shutdown
!
interface Serial0/3/0
ip address 200.100.0.1 255.255.255.248
!
interface Serial0/3/1
no ip address
clock rate 2000000
shutdown
!
interface Vlan1
no ip address
shutdown
!
router eigrp 9850
network 10.100.2.0 0.0.0.7
network 200.100.0.0 0.0.0.7
!
!
ip classless
!
ip flow-export version 5
!
--More--
```

Ctrl+F6 to exit CLI focus

Copy Paste

Toggle PDU List Window

Successful usama-9850-1 ICMP 0.000 N 3 (edit)

Time: 28:42:35

Copper Straight-Through

17°C Haze 3:58 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT#02.pkt

File Edit Options View Tools Extensions Window Help

Physical Config CLI Attributes

IOS Command Line Interface

```
speed auto
shutdown
!
interface Serial0/1/0
no ip address
clock rate 2000000
shutdown
!
interface Serial0/1/1
no ip address
clock rate 2000000
shutdown
!
interface Serial0/3/0
ip address 201.100.0.1 255.255.255.248
!
interface Serial0/3/1
ip address 200.100.0.2 255.255.255.248
clock rate 64000
!
interface Vlan1
no ip address
shutdown
!
router eigrp 9850
network 200.100.0.0 0.0.0.7
network 10.100.0.0 0.0.0.7
network 201.100.0.0 0.0.0.7
!
!
ip classless
!
ip flow-export version 5
!
--More--
```

Ctrl+F6 to exit CLI focus

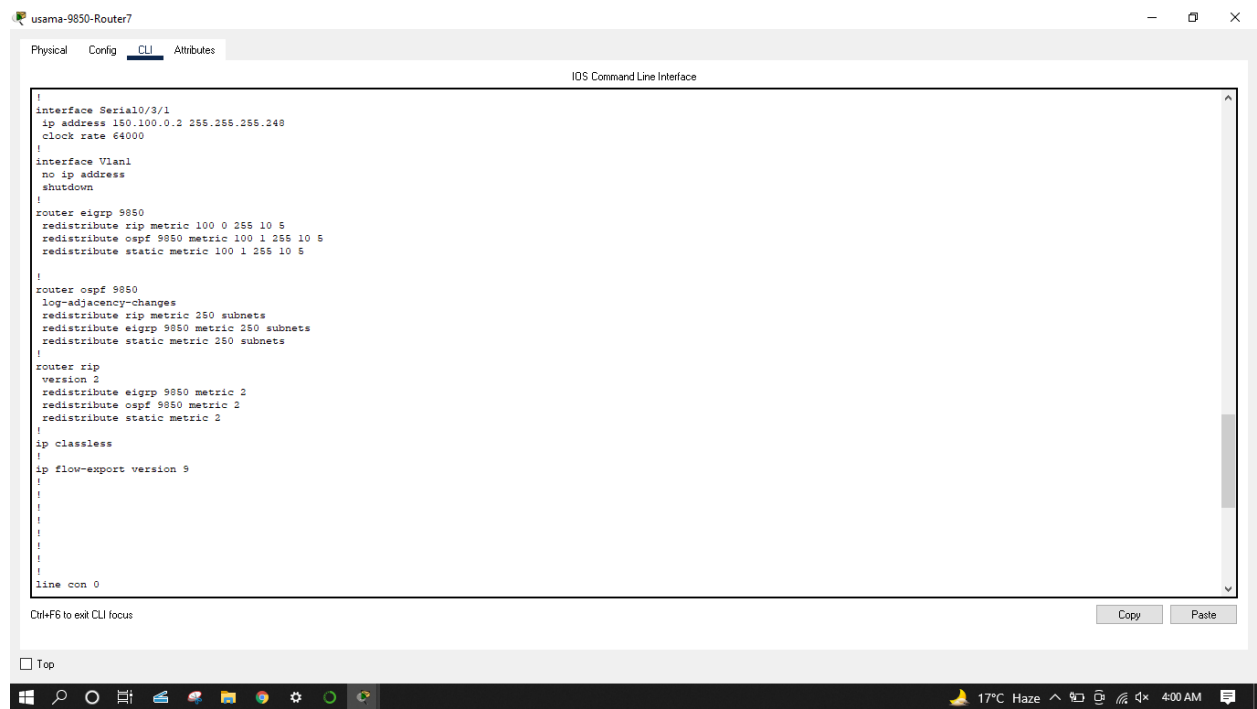
Copy Paste

Toggle PDU List Window

Time: 28:42:48

Copper Straight-Through

17°C Haze 3:58 AM



Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT#02.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical

Time: 28:44:18

usama-9850-PC10

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Request timed out.
Reply from 160.100.0.3: bytes=32 time=2ms TTL=126
Reply from 160.100.0.3: bytes=32 time=2ms TTL=126
Reply from 160.100.0.3: bytes=32 time=168ms TTL=126

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 168ms, Average = 57ms
C:\>
```

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT#02.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical

Time: 28:58:18

usama-9850-PC3

Physical Config Desktop Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 172.16.1.2

Subnet Mask: 255.255.0.0

Default Gateway: 172.16.1.1

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::206:2AFF:FE57:68C5

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

Top

Toggle PDU List Window

Realtime Simulation

Time(sec)	Periods	Num	Edt	D
0.000	N	1	(edt)	(d)
0.000	N	2	(edt)	(d)
0.000	N	3	(edt)	(d)

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT#02.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical | z: 266, y: 510

usama-9850-PC2

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 172.16.1.3

Subnet Mask 255.255.0.0

Default Gateway 172.16.1.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80::2E0:A3FF:FEE8:9516

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Time: 28:58:33

Simulation

Realtime

Simulation

Simulation Type Color Time(sec) Periodic Num Edit Dr

usama-9850-1 ICMP 0.000 N 1 (edit) (d

usama-9850-1 ICMP 0.000 N 2 (edit) (d

Successful usama-1 usama-9850-1 ICMP 0.000 N 3 (edit) (d

Copper Straight-Through

Toggle PDU List Window

17°C Haze 4:25 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT#02.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical | z: 556, y: 433

usama-9850-PC10

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.0.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.0.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80::207:ECFF:FE09:9530

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Time: 29:01:01

Simulation

Simulation

Simulation Type Color Time(sec) Periodic Num Edit Dr

usama-9850-1 ICMP 0.000 N 3 (edit) (d

usama-9850-1 ICMP 0.000 N 3 (edit) (d

Successful usama-1 usama-9850-1 ICMP 0.000 N 3 (edit) (d

Copper Straight-Through

Toggle PDU List Window

17°C Haze 4:27 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT#02.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical 822, y: 441

PC-PT usama-9850-PC10 2960-2 usama-9850-PC11

Time: 29:01:22

usama-9850-PC11

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.0.3

Subnet Mask 255.255.255.0

Default Gateway 192.168.0.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80::230:F2FF:FE08:B5C5

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Top

Copper Straight-Through

Toggle PDU List Window

Successful usama-9850-PC11 ICMP 0.000 N 3 (edit) (d)

Realtime Simulation

ion	Type	Color	Time(sec)	Periodic	Num	Edit	Dr
9850-1	ICMP		0.000	N	1	(edit) (d)	
9850-1	ICMP		0.000	N	2	(edit) (d)	
9850-1	ICMP		0.000	N	3	(edit) (d)	

17°C Haze 4:27 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT#02.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical 802, y: 429

PC-PT usama-9850-PC12

Time: 29:03:41

usama-9850-PC12

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.3

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80::201:96FF:FEAC:8451

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Top

Copper Straight-Through

Toggle PDU List Window

Successful usama-9850-PC12 ICMP 0.000 N 3 (edit) (d)

17°C Haze 4:28 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT#02.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical z: 968, y: 429

Time: 29:04:01

usama-9850-PC13

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80:290:CFF:FE45:E90A

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Toggle PDU List Window

File	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	D
Successful	usama-9850-PC1	usama-9850-PC1	ICMP	0.000	N	1	(edit)	(d)		
Successful	usama-9850-PC2	usama-9850-PC2	ICMP	0.000	N	2	(edit)	(d)		
Successful	usama-9850-PC3	usama-9850-PC3	ICMP	0.000	N	3	(edit)	(d)		

17°C Haze 4:29 AM

usama-9850-PC8

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 10.100.2.2

Subnet Mask 255.0.0.0

Default Gateway 10.100.2.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80:2E0:B0FF:FE2E:C304

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Toggle PDU List Window

Scenario 0

File	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	D
Successful	usama-9850-PC1	usama-9850-PC1	ICMP	0.000	N	1	(edit)	(d)		
Successful	usama-9850-PC2	usama-9850-PC2	ICMP	0.000	N	2	(edit)	(d)		
Successful	usama-9850-PC3	usama-9850-PC3	ICMP	0.000	N	3	(edit)	(d)		

17°C Haze 4:30 AM

Cisco Packet Tracer - C:\Users\HP\LAPTOP\Desktop\ASSIGNMENT#02.pkt

usama-9850-PC9

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 10.100.2.3

Subnet Mask 255.0.0.0

Default Gateway 10.100.2.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80::201:63FF:FE2B:E444

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Time: 29:08

Copper Straight-Through

Toggle PDU List Window

Cluster6

usama-9850-PC8

usama-9850-PC9

usama-9850-PC3(1)(4)

usama-9850-PC3(2)(3)

usama-9850-PC3(1)(4)(3)

usama-9850-PC2(1)(4)

usama-9850-PC2(2)(3)

usama-9850-PC2(1)(3)

Realtime Simulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	D
Successful		usama-1	usama-9850-1	ICMP		0.000	N	1	(edit)	(d)
Successful		usama-1	usama-9850-1	ICMP		0.000	N	2	(edit)	(d)
Successful		usama-1	usama-9850-1	ICMP		0.000	N	3	(edit)	(d)

17°C Haze 4:30 AM

Cisco Packet Tracer - C:\Users\HP\LAPTOP\Desktop\ASSIGNMENT#02.pkt

usama-9850-PC7

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 10.100.0.3

Subnet Mask 255.0.0.0

Default Gateway 10.100.0.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80::20B:BEFF:FE63:D7BC

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Time: 29:14:30

Copper Straight-Through

Toggle PDU List Window

usama-9850-PC3(1)(5)

usama-9850-PC3(2)(4)

usama-9850-PC3(1)(4)

usama-9850-PC2(1)(4)

usama-9850-PC2(2)(4)

usama-9850-PC6

usama-9850-PC7

2960-24TT Switch10

Realtime Simulation

Time(sec)	Periodic	Num	Edit	D
0.000	N	1	(edit)	(d)
0.000	N	2	(edit)	(d)
0.000	N	3	(edit)	(d)

17°C Haze 4:38 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT#02.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical | 917, p. 529

usama-9850-PC6

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 10.100.0.2

Subnet Mask 255.0.0.0

Default Gateway 10.100.0.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80:205:5EFF:FE78:D9E2

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Time: 29:14:45

Copper Straight-Through

Toggle PDU List Window

Successful usama- usama-9850- ICMP

Realtime Simulation

Time(sec)	Periodic	Num	Edit	Dr
0.000	N	1	(edit)	(d)
0.000	N	2	(edit)	(d)
0.000	N	3	(edit)	(d)

17°C Haze 4:39 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT#02.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical | 963, p. 540

usama-9850-PC5

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.3.3

Subnet Mask 255.255.255.0

Default Gateway 192.168.3.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80:250:FFF:FE0C:83B

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Time: 29:16:31

Copper Straight-Through

Toggle PDU List Window

Successful usama- usama-9850- ICMP

Realtime Simulation

Time(sec)	Periodic	Num	Edit	Dr
0.000	N	1	(edit)	(d)
0.000	N	2	(edit)	(d)
0.000	N	3	(edit)	(d)

17°C Haze 4:40 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT#02.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical 768, 544

Time: 29:16:47

Copper Straight-Through

Toggle PDU List Window

Successful usama-9850-PC4 ICMP 0.000

17°C Haze 4:40 AM

usama-9850-PC4

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.3.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.3.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80::20C:CFFF:FEA2:E473

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Top

Periodic	Num	Edit	Dr
N	1	(edit)	(d
N	2	(edit)	(d
N	3	(edit)	(d

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT

File Edit Options View Tools Extensions Window Help

Logical Physical | 286, p. 544

Time: 29:18:56

usama-9850-PC0

Physical Config Desktop Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 172.16.0.2

Subnet Mask: 255.255.0.0

Default Gateway: 172.16.0.1

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::202:16FF:FE99:C589

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

Top

Toggle PDU List Window

Simulation

Type	Color	Time(sec)	Periodic	Num	Edit	D
ICMP		0.000	N	1	(edit)	(d)
ICMP		0.000	N	2	(edit)	(d)
Successful usama-9850-PC0		0.000	N	3	(edit)	(d)

17°C Haze 4:42 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\ASSIGNMENT

File Edit Options View Tools Extensions Window Help

Logical Physical | 210, p. 536

Time: 29:19:11

usama-9850-PC1

Physical Config Desktop Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 172.16.0.3

Subnet Mask: 255.255.0.0

Default Gateway: 172.16.0.1

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::201:97FF:FE0A:9D21

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

Top

Toggle PDU List Window

Simulation

Type	Color	Time(sec)	Periodic	Num	Edit	D
usama-9850-PC1		0.000	N	1	(edit)	(d)
usama-9850-PC1		0.000	N	2	(edit)	(d)
Successful usama-9850-PC1		0.000	N	3	(edit)	(d)

17°C Haze 4:42 AM