Lab 2 - Report

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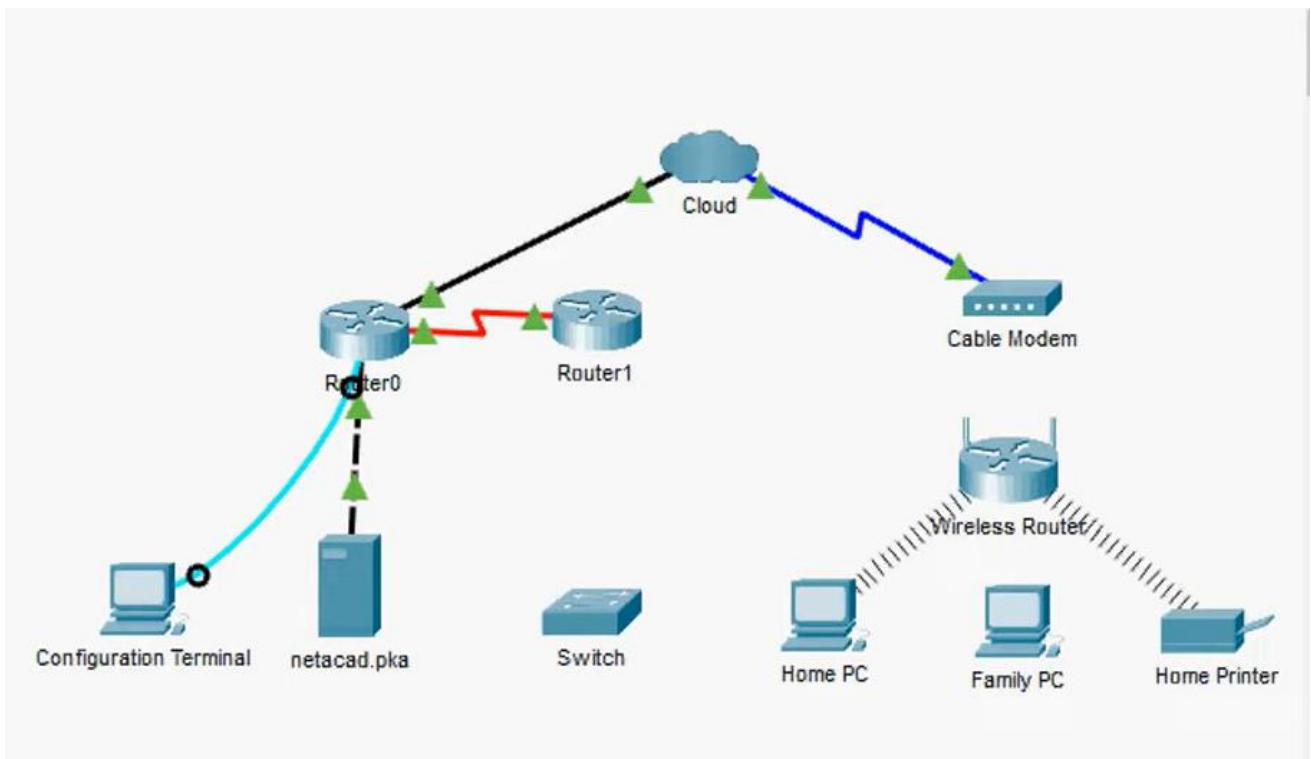
Group: Mon 11:00-13:00

4.6.5-packet-tracer---connect-a-wired-and-wireless-lan
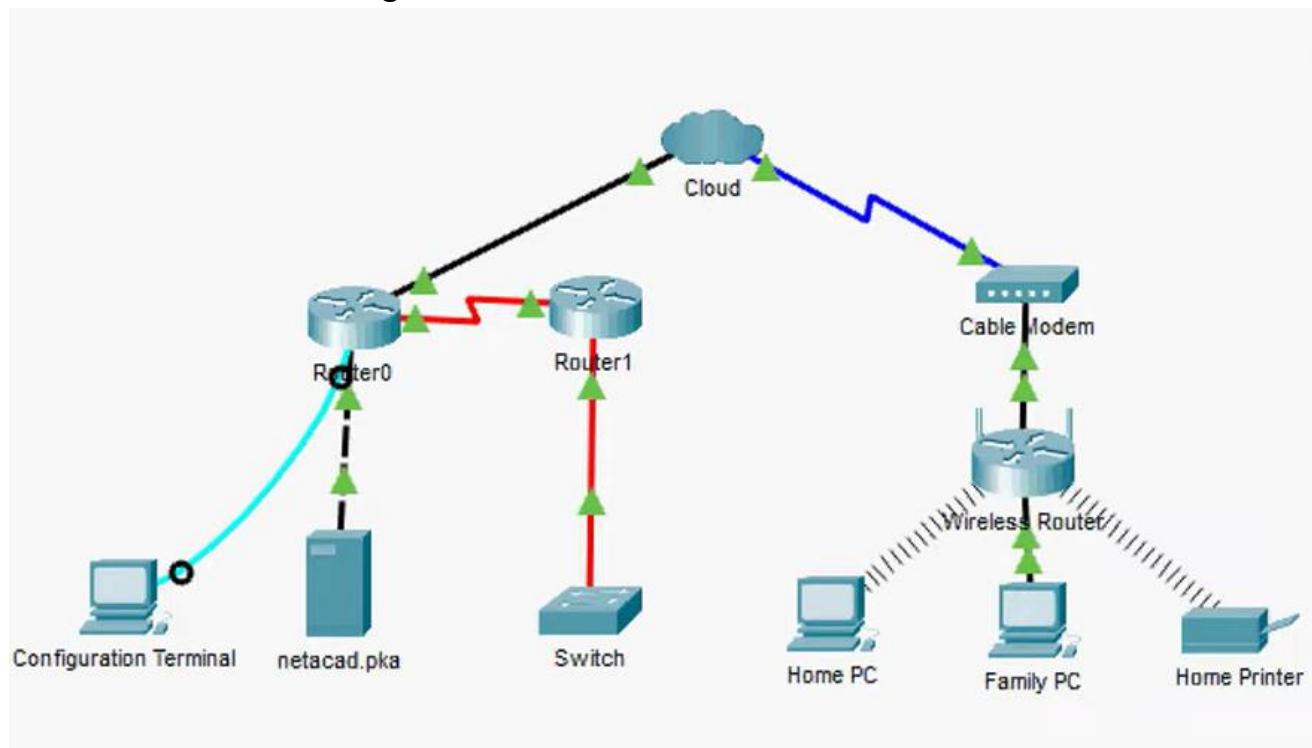
1. Connect to the cloud

2. Connect Router0

3. Connect Remaining Devices

4. Verify connections

1) Ping netacad.pka

```
Packet Tracer PC Command Line 1.0
C:\>ping netacad.pka

Pinging 10.0.0.254 with 32 bytes of data:

Reply from 10.0.0.254: bytes=32 time=27ms TTL=126
Reply from 10.0.0.254: bytes=32 time=12ms TTL=126
Reply from 10.0.0.254: bytes=32 time=12ms TTL=126
Reply from 10.0.0.254: bytes=32 time=11ms TTL=126

Ping statistics for 10.0.0.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 11ms, Maximum = 27ms, Average = 15ms

C:\>ping netacad.pka
```

2) Web browser

```
Web Browser                                                    X
  <      >    URL  http://netacad.pka            Go        Stop

                      Netacad.pka

  My favorite page!
```

3) Ping (Home PC)

```
C:\>ping 172.16.0.2

Pinging 172.16.0.2 with 32 bytes of data:

Reply from 172.16.0.2: bytes=32 time=30ms TTL=252
Reply from 172.16.0.2: bytes=32 time=23ms TTL=252
Reply from 172.16.0.2: bytes=32 time=18ms TTL=252
Reply from 172.16.0.2: bytes=32 time=13ms TTL=252

Ping statistics for 172.16.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 13ms, Maximum = 30ms, Average = 21ms

C:\>
```
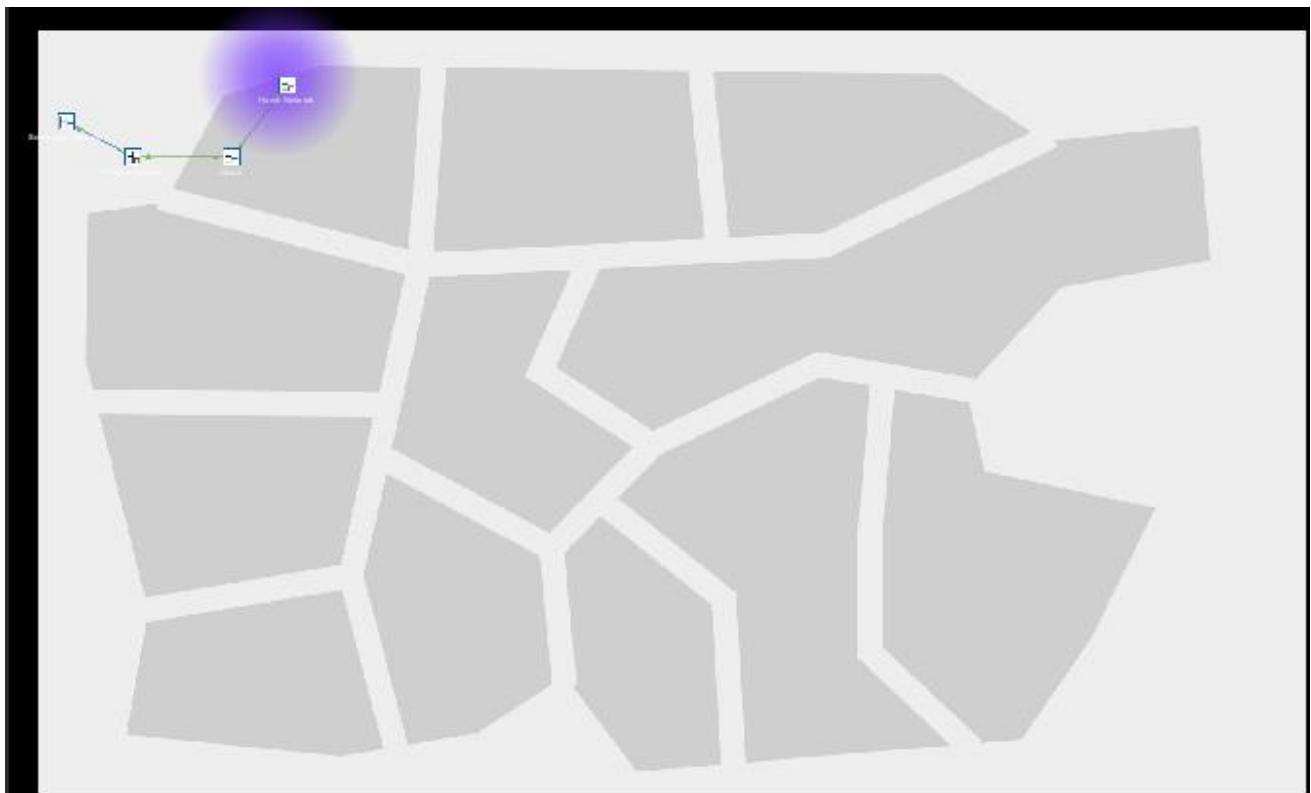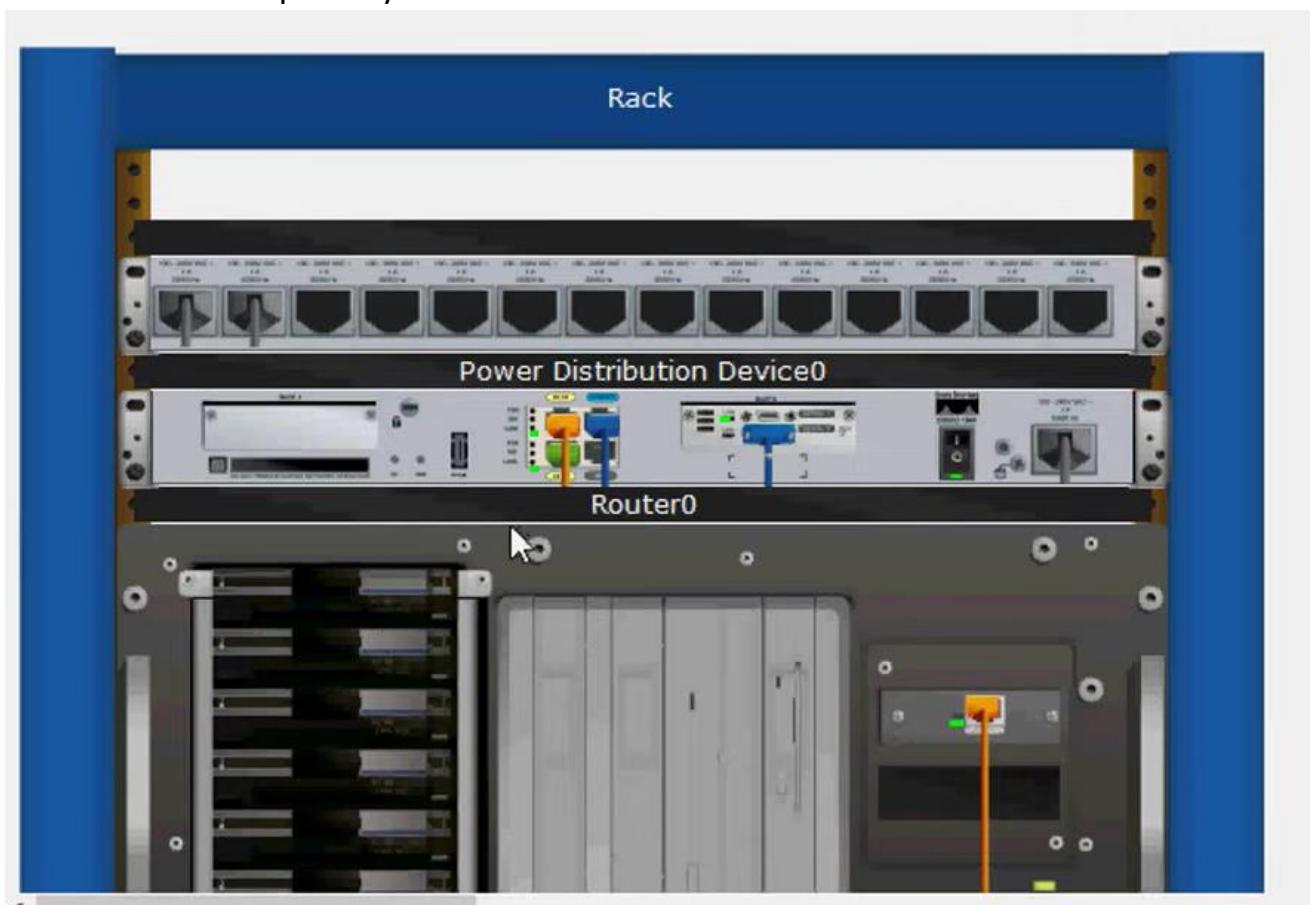
4) Open from configuration terminal

```
Router0>show ip interface b
Router0>show ip interface brief
Interface              IP-Address      OK? Method Status                Protocol
FastEthernet0/0        192.168.2.1     YES manual up                    up
FastEthernet0/1        10.0.0.1        YES manual up                    up
Serial0/0/0            172.31.0.1      YES manual up                    up
Serial0/0/1            unassigned      YES unset  administratively down down
Vlan1                  unassigned      YES unset  administratively down down
Router0>
```
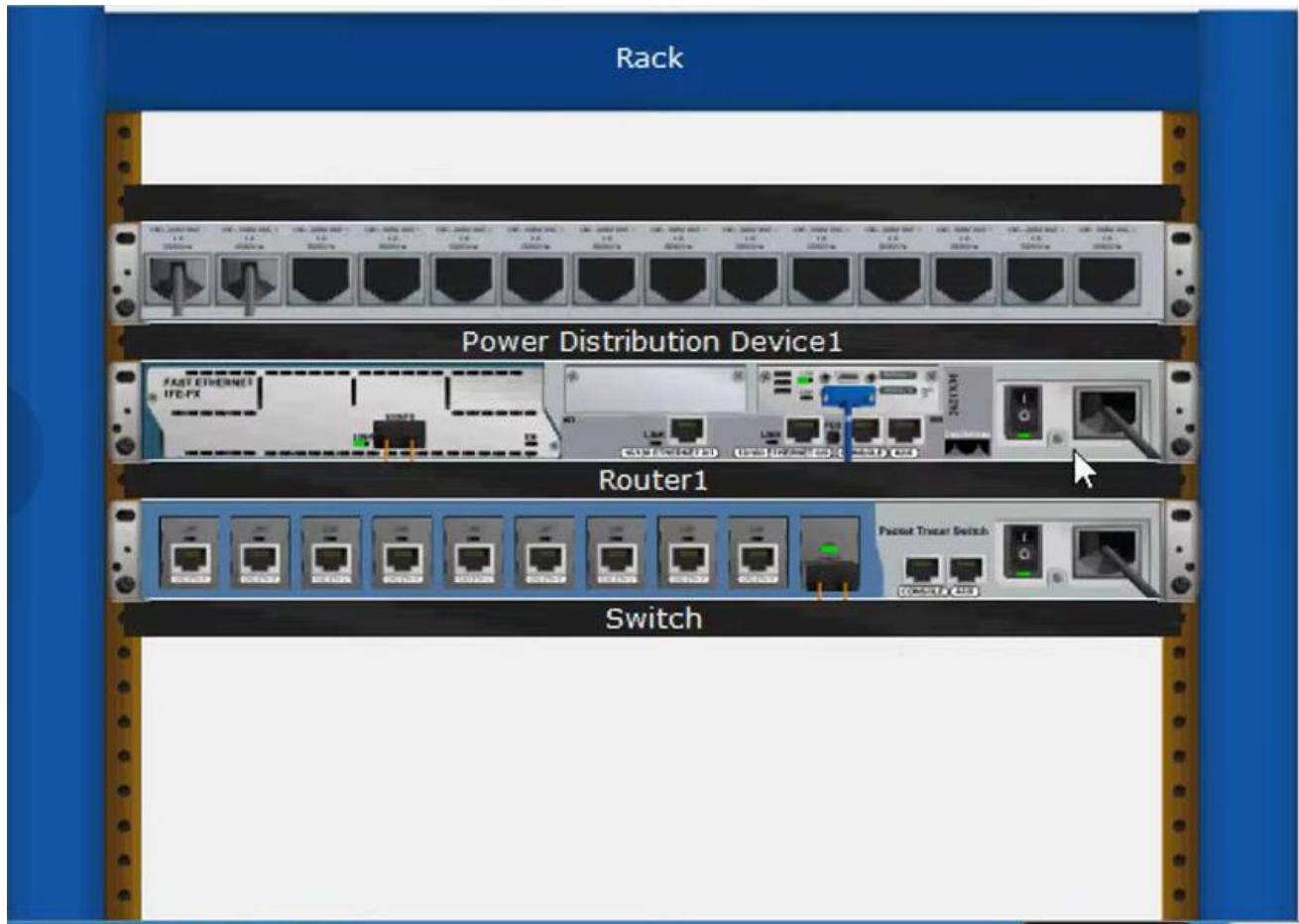
5. Examine the cloud
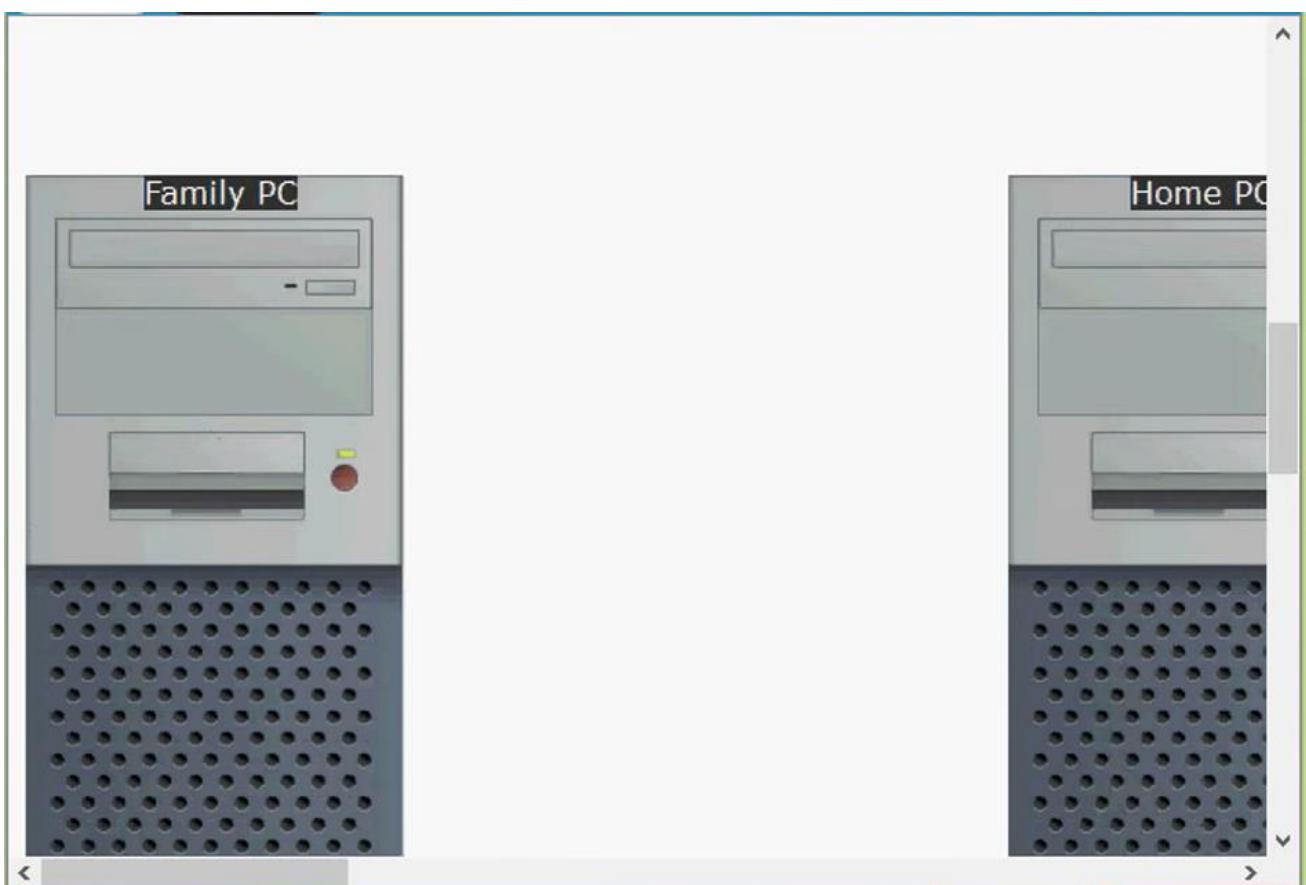
6. Examine the primary network

7. Examine the secondary network

8. Examine the home network
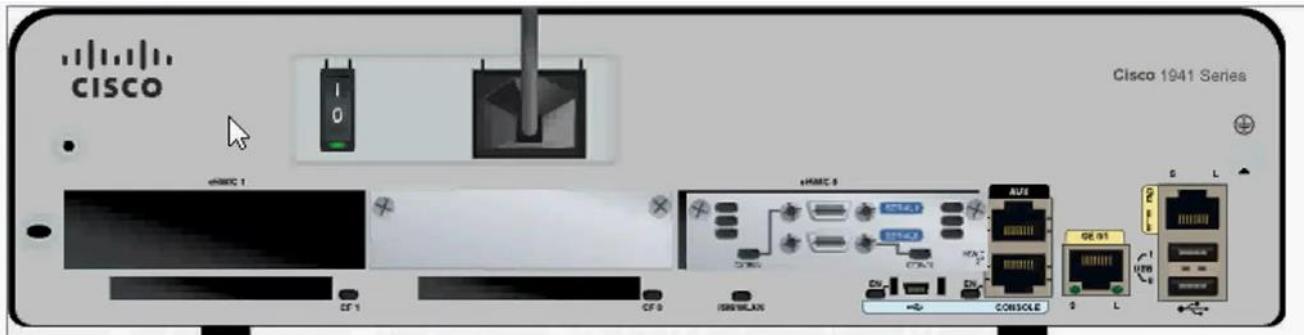
4.7.2-packet-tracer---connect-the-physical-layer

9. Identify Physical Characteristics of Internetworking Devices
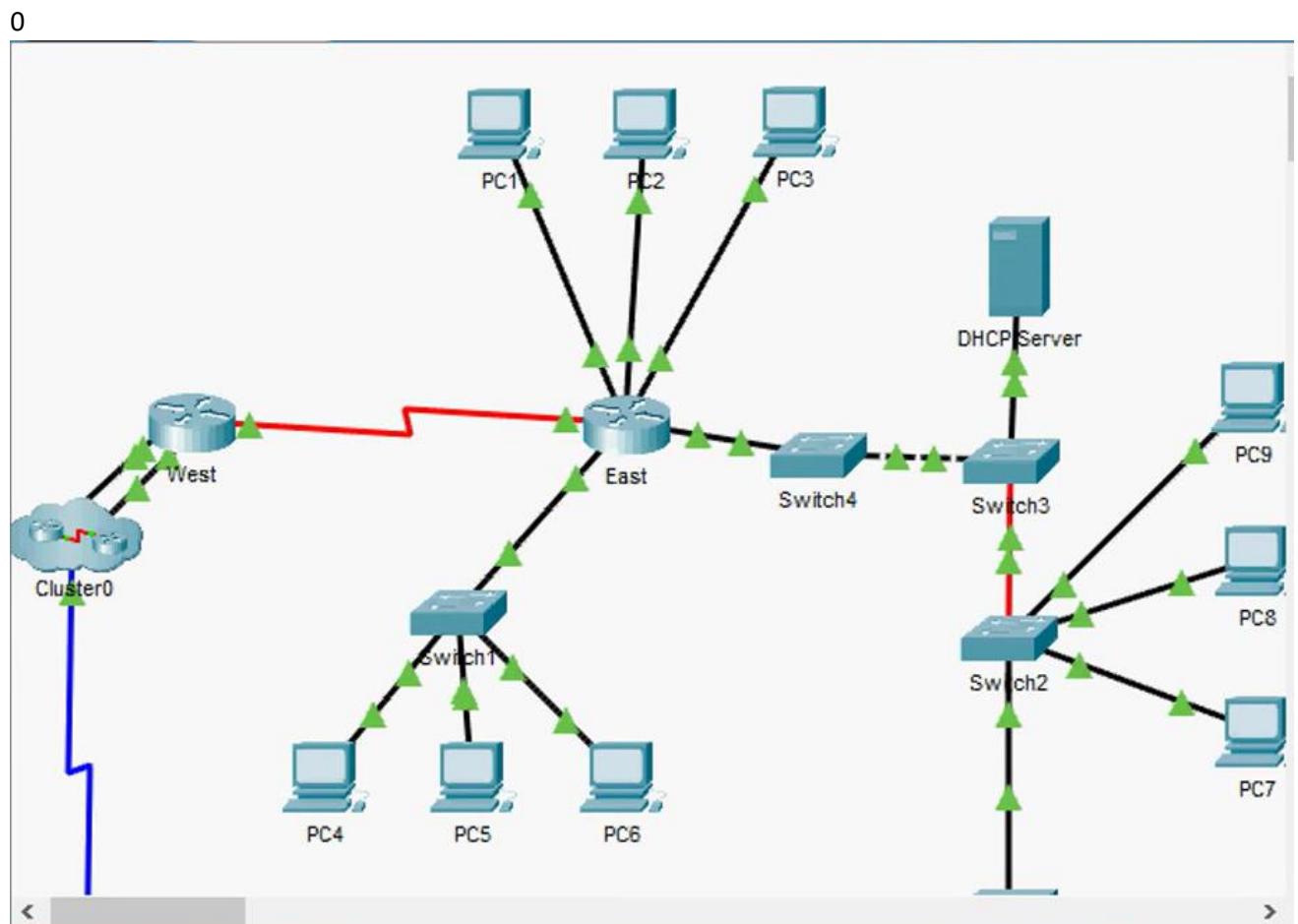

```
East>ena
East>enable
East#sh
East#show ip int
East#show ip interface b
East#show ip interface brief
Interface          IP-Address      OK? Method Status             Protocol
GigabitEthernet0/0 172.30.1.1      YES manual up                 down
GigabitEthernet0/1 172.31.1.1      YES manual up                 down
Serial0/0/0        10.10.10.1      YES manual down               down
Serial0/0/1        unassigned      YES unset  down               down
Vlan1              172.29.1.1      YES manual up                 down
East#
```

10. Identify module of expansion slots
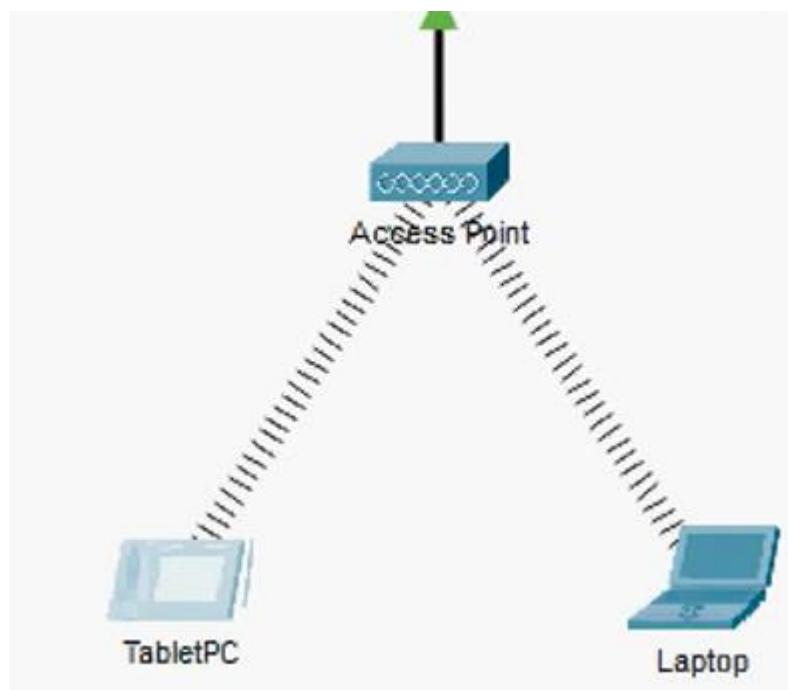
11. Connect all devices

0

12. Check connectivity

```
East>enable
East#sh
East#show ip interface b
East#show ip interface brief
Interface              IP-Address     OK? Method Status
Protocol
GigabitEthernet0/0     172.30.1.1     YES NVRAM  up              up
GigabitEthernet0/1     172.31.1.1     YES NVRAM  up              up
Serial0/0/0            10.10.10.1     YES NVRAM  up              up
Serial0/0/1            unassigned     YES NVRAM  down            down
FastEthernet0/1/0      unassigned     YES unset  up              up
FastEthernet0/1/1      unassigned     YES unset  up              up
FastEthernet0/1/2      unassigned     YES unset  up              up
FastEthernet0/1/3      unassigned     YES unset  up              down
Vlan1                  172.29.1.1     YES manual up              up
East#
```

13. Connect wireless devices (laptop and tablet PC)

14. Check connectivity