

Step 1:

File Edit Options View Tools Extensions Window Help

Logical Physical x: 405m, y: 2616m

Tasks

Objectives

- Part 1: Investigate the Bottom Toolbar
- Part 2: Investigate Devices in a Wiring Closet
- Part 3: Connect End Devices to Networking Devices
- Part 4: Install a Backup Router
- Part 5: Configure a Hostname
- Part 6: Explore the Rest of the Network

Background / Scenario

The network model in this Packet Tracer Physical Mode (PTPM) activity incorporates many of the technologies that you can master in Cisco Networking Academy courses. It represents a simplified version of how a small to medium-sized business network might look.

Most of the devices in the Seward branch office and Warrenton data center are already deployed and configured. You have just been hired to review the devices and networks deployed. It is not important that you understand everything you see and do in this activity. Feel free to explore the network on your own. If you wish to proceed more systematically, follow the steps below. Answer the questions to the best of your ability.

Note: This activity opens in and focuses on Physical mode. Many of the Packet Tracer activities you encounter in Cisco Networking Academy courses will use Logical mode. You can switch between these modes at any time to compare the differences by clicking the Logical (Shift+L) and Physical (Shift+P) buttons. However, in other activities in this course you may be locked out of one mode or the other.

Instructions

Part 1: Investigate the Bottom Toolbar

The icon toolbar at the bottom left-hand corner has various categories of networking components. You should see categories that correspond to Network Devices, End Devices, and Components. The fourth category (with the lightning bolt icon) is Connections and represents the networking media supported by Packet Tracer. The last two categories are Miscellaneous and Multiuser Connection.

What are the subcategories for Network Devices?

Part 2: Investigate Devices in a Wiring Closet

- a. If you want exploring, return to Physical mode and Interact now. In the top blue bar, click Physical, and then use the Navigation Panel or Back level buttons to navigate to Interact.
- b. Click Seward and then click the Branch Office.

Time Elapsed: 00:52:31 Completion: 0%

Dock Check Results

Time: 00:54:55 PLAY CONTROLS

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
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Reset Simulation Constant Delay Captured to: (no captures)

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, NAT, NAT-PT, LACP, LLDP, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIPv2, RIPv6, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All/None

Event List Realtime Simulation

2811 IOS15

Step 2:

File Edit Options View Tools Extensions Window Help

Logical Physical x: 5394m, y: 1988m

Tasks

Objectives

- Part 1: Investigate the Bottom Toolbar
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Background / Scenario

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Instructions

Part 1: Investigate the Bottom Toolbar

The icon toolbar at the bottom left-hand corner has various categories of networking components. You should see categories that correspond to Network Devices, End Devices, and Components. The fourth category (with the lightning bolt icon) is Connections and represents the networking media supported by Packet Tracer. The last two categories are Miscellaneous and Multiuser Connection.

What are the subcategories for Network Devices?

Part 2: Investigate Devices in a Wiring Closet

- a. If you want exploring, return to Physical mode and Interact now. In the top blue bar, click Physical, and then use the Navigation Panel or Back level buttons to navigate to Interact.
- b. Click Seward and then click the Branch Office.

Time Elapsed: 00:55:14 Completion: 0%

Dock Check Results

Time: 00:54:55 PLAY CONTROLS

Simulation Panel

Event List

Realtime Simulation

2811 IOS15

File Edit Options View Tools Extensions Window Help

Logical Physical x.7, y.891

Root 09:58:00

Tasks

Most of the devices in the Seward branch office and Warrenton data center are already deployed and configured. You have just been hired to review the devices and networks deployed. It is not important that you understand everything you see and do in this activity. Feel free to explore the network on your own. If you wish to proceed more systematically, follow the steps below. Answer the questions to the best of your ability.

Note: This activity opens in and focuses on **Physical** mode. Many of the Packet Tracer activities you encounter in Cisco Networking Academy courses will use **Logical** mode. You can switch between these modes at any time to compare the differences by clicking the Logical (Shift+L) and Physical (Shift+P) buttons. However, in other activities in this course you may be locked out of one mode or the other.

Instructions

Part 1: Investigate the Bottom Toolbar

The icon toolbar at the bottom left-hand corner has various categories of networking components. You should see categories that correspond to **Network Devices**, **End Devices**, and **Components**. The fourth category (with the lightning bolt icon) is **Connections** and represents the networking media supported by Packet Tracer. The last two categories are **Miscellaneous** and **Multiuser Connection**.

What are the subcategories for **Network Devices**?

Part 2: Investigate Devices in a Wiring Closet

- If you want exploring, return to **Physical** mode and **Interact** now. In the top blue bar, click **Physical**, and then use the **Navigation Panel** or **Back** level buttons to navigate to **Interact**.
- Click **Seward**, and then click the **Branch Office**.
- Click the **Branch Office Wiring Closet**. Notice that the wiring closet has a **Rack**, a **Cable Pegboard**, a **Table**, and a **Shelf**.

The **Rack** contains devices that can be racked mounted. If you zoom in on the rack (zoom tool or Ctrl+scroll wheel), you can see that the devices are screwed in (mounted) in the rack. Below the power distribution device, you will find a router. Routers connect different networks.

- Below the router are two switches. These switches provide wired connections to connect to other devices. Notice that the devices have a name assigned by the network administrator. What devices use a wired connection to connect to switch **ALS2**?
- Below the switches in the **Rack** is a wireless access point named **Access_Point**. Wireless access points use a wireless connection to connect to other devices. Switch to **Logical** Mode. Which device is connected to **Access_Point**?
- Switch to **Physical** mode. You should be back in the **Branch Office Wiring Closet**. Where is the device connected to **Access_Point** physically located?

Part 3: Connect End Devices to Networking Devices

Time Elapsed: 00:58:03 Completion: 0%

Check Check Results

Time: 00:05:04 65X PLAY CONTROLS

Event List Realtime Simulation

819HG-4G-IOX

Step 3:

File Edit Options View Tools Extensions Window Help

Logical Physical x.5384m, y.1988m

Branch Office Wiring Closet 13:51:30

Tasks

switches. These switches provide wired connections to connect to other devices. Notice that the devices have a name assigned by the network administrator. What devices use a wired connection to connect to switch **ALS2**?

- Below the switches in the **Rack** is a wireless access point named **Access_Point**. Wireless access points use a wireless connection to connect to other devices. Switch to **Logical** Mode. Which device is connected to **Access_Point**?
- Switch to **Physical** mode. You should be back in the **Branch Office Wiring Closet**. Where is the device connected to **Access_Point** physically located?

Part 3: Connect End Devices to Networking Devices

Devices can be connected in a variety of ways. For network connectivity, devices are typically connected using either a copper straight-through cable or wirelessly. For management connectivity, devices are typically connected using either a console cable or USB cable.

Note: Packet Tracer will grade the rest of this activity. At any

Time Elapsed: 01:01:56 Completion: 33%

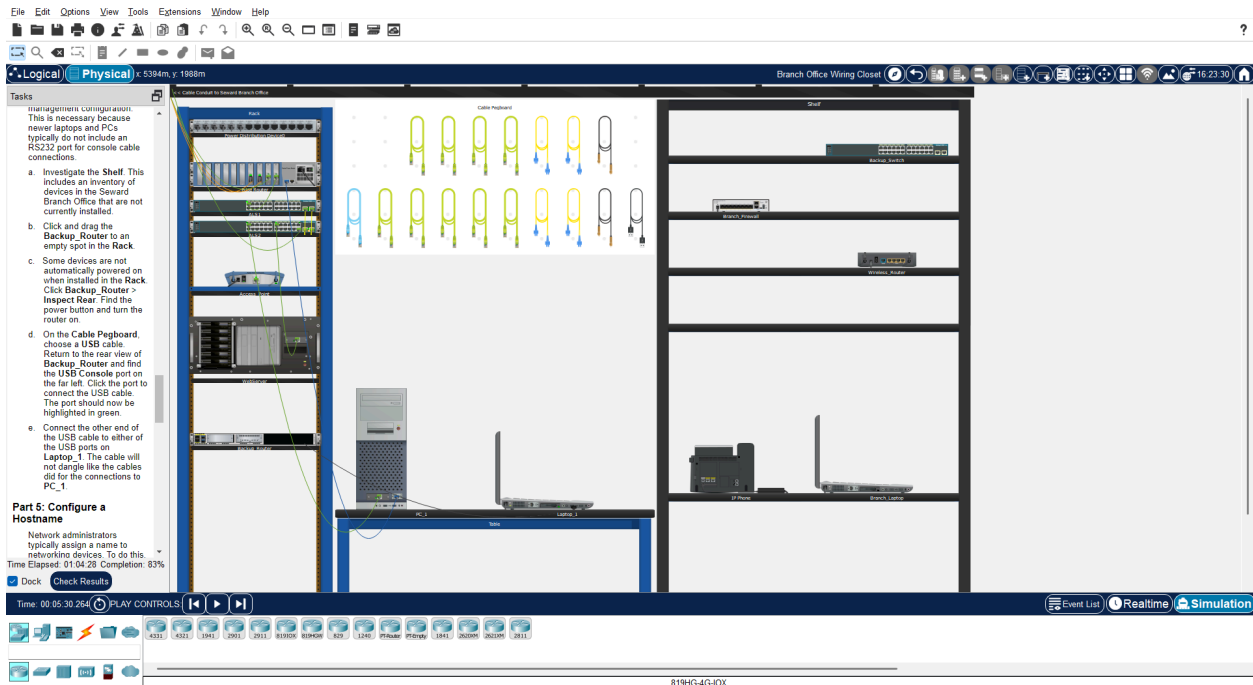
Check Check Results

Time: 00:05:17 23X PLAY CONTROLS

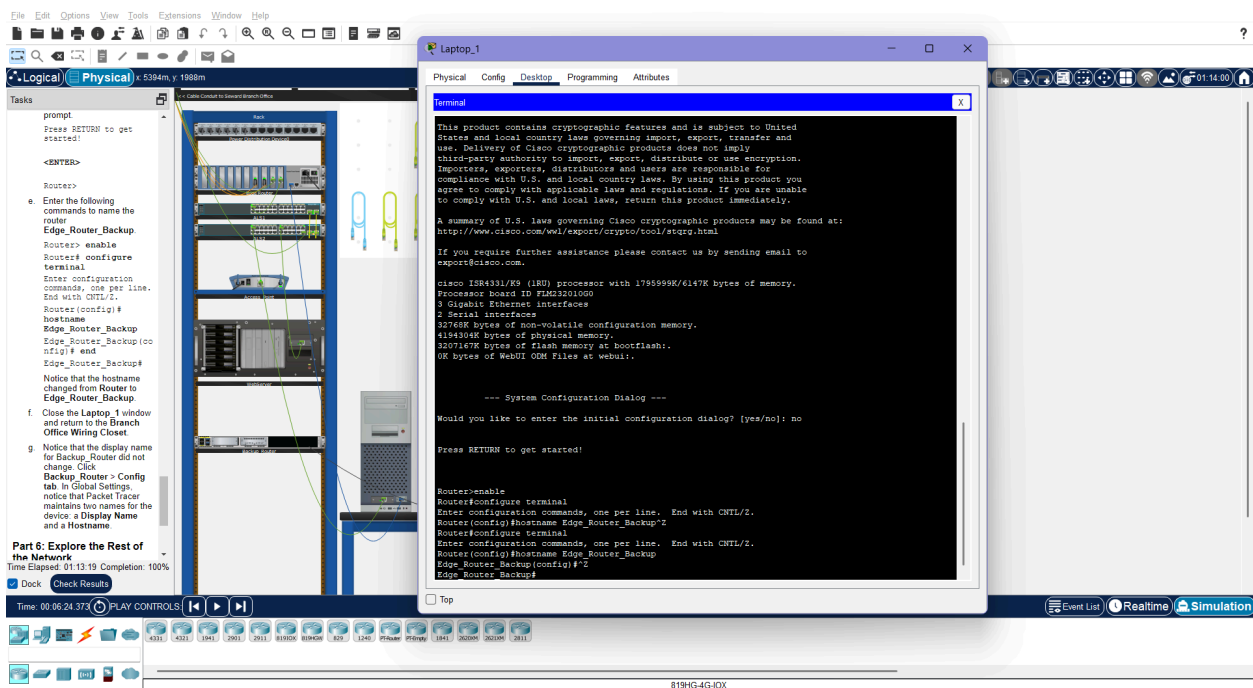
Event List Realtime Simulation

819HG-4G-IOX

Step 4:



Step 5:



Completion Status:

FileEditOptionsViewToolsExtensionsWindowHelp

Activity Results

Time Elapsed: 01:14:51

Congratulations Guest! You completed the activity.

Overall Feedback

Assessment Items

Connectivity Tests

Expand/Collapse All

Show Incorrect Items

Assessment Items	Status	Points	Component(s)	Feedback
Network				
Backup_Router				
Host Name	Correct	1	Other	
Physical Location	Correct	1	Physical	
Power	Correct	1	Physical	
USB Console		0	Other	
Port Up	Correct	1	Physical	
Edge_Router				
Console		0	Other	
Link to PC_1		0	Other	
Connects to RS 232	Correct	1	Physical	
PC_1				
Ports		0	Other	
FastEthernet0		0	Other	
Link to ALS2		0	Other	
Type	Correct	1	Physical	

Score

Item Count

6/6

6/6

Component	Items/Total	Score
Other	1/1	1/1
Physical	5/5	5/5

Close