Lab A - Identifying Network Devices and Cabling

Objectives

Part 1: Identify Network Devices

- Describe the functions and physical characteristics of the network device.

Part 2: Identify Network Media

- Describe the functions and physical characteristics of the media.

Background / Scenario

As a member of the networking support staff, you must be able to identify different networking equipment. You must also understand the function of equipment in the appropriate part of the network. In this lab, you will have access to network devices and media. You will identify the type and characteristics of the network equipment and media.

Part 1: Identify Network Devices

Your instructor will provide various network devices for identification. Each will be tagged with an ID number.

Fill in the table below with the device tag ID number, manufacturer, device model, type (hub, switch, and router), functionality (wireless, router, switch, or combination), and other physical characteristics, such as number of interface types. The first line is filled out as a reference.

ID	Manufacturer	Model	Type	Functionality	Physical Characteristics
1	Cisco	1941	Router	Router	2 GigabitEthernet Ports 2 EHWIC slots 2 CompactFlash slots 1 ISM slot 2 Console ports: USB, RJ-45
2					
3					
4					
5					
6					

Part 2: Identify Network Media

Your instructor will provide various network media for identification. You will name the network media, identify the media type (copper, fiber optic, or wireless), and provide a short media description including what device types it connects. Use the table below to record your findings. The first line in the table has been filled out as a reference.

ID	Network Media	Type	Description and to What It Connects
1	UTP	Copper	Connect wired NIC and Ethernet ports on network devices Cat 5 straight-through wired. Connects PCs and routers to switches and wiring panels.
2			
3			
4			
5			
6			

Reflection

After you have identified the network equipment, where would you find more information about the equipment?