

STUDENT ACTIVITY 1.2_A_KEY: LOCAL AREA NETWORK COMPONENTS

MTA Course: 98-366 Networking Fundamentals

Topic: Understand local area networks (LANs)

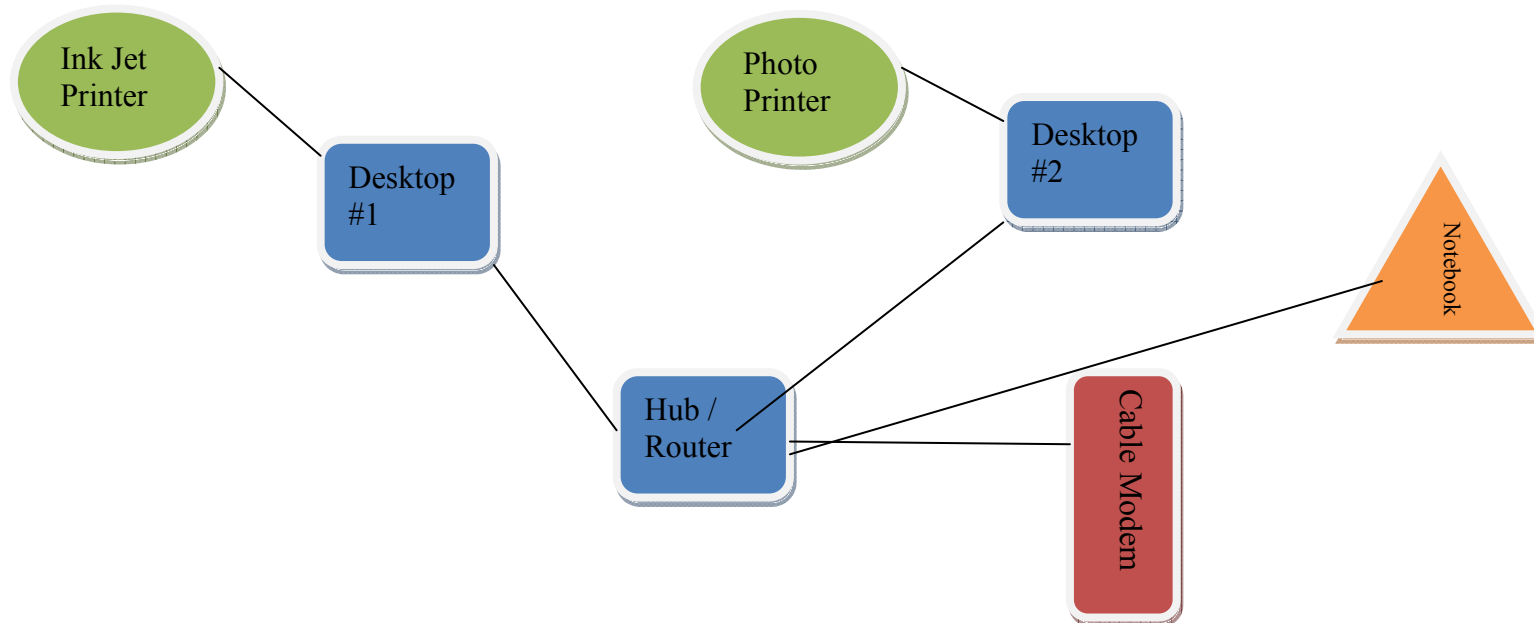
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Lesson Objective

1.2_A: Understand local area networks (LANs). *This objective may include but is not limited to:* perimeter networks; addressing; reserved address ranges for local use (including local loopback IP), VLANs; wired LAN and wireless LAN.

Directions to the student

1. Label the components of the LAN created in the video http://www.youtube.com/watch?v=_u3hNRZWMcc.



2. Summarize the key points about network hardware and architecture presented in the video.
 The video demonstrates how to create a local area network using two desktop computers, a photo printer, an ink jet printer, a notebook computer, a cable modem, and a hub/router. It also demonstrates how to create the network topology. They use an Ethernet card in the desktops and an Ethernet PC card in the notebook. They connect a printer to the each desktop computer. They use a combination hub/router and RJ-45 10-base-T cables and connect each of the computers into the modem, which comes from the Internet service provider (ISP) into the hub. They connect the cable modem into the wall jack and they use a surge protector to plug in the power. They install a driver for the network card in the computers, they activate file sharing using the Control Panel's network settings, and use browser software to access and configure the router.