

STUDENT ACTIVITY 1.3_A: WIDE AREA NETWORKS

MTA Course: 98-366 Networking Fundamentals

Topic: Understand wide area networks, leased lines, dial-up, integrated services digital network, VPN-virtual private network

File name: NetFund_SA_1.3_A

Lesson Objective

1.3_A: Understand wide area networks (WANs). *This objective may include but is not limited to:* leased lines, dial-up, ISDN, VPN.

Resources, software, and additional files needed for this lesson

- **Diffen: LAN vs WAN**
http://www.diffen.com/difference/LAN_vs_WAN
- **Microsoft.com Support WAN with WINS**
<http://support.microsoft.com/kb/120151>
- **Networking – Wide Area Network (WAN)**
<http://msdn.microsoft.com/en-us/library/ms898995.aspx>
- **Webopedia Wide Area Networks**
http://www.webopedia.com/TERM/W/wide_area_network_WAN.html
- **Wikipedia.org Wide Area Network**
http://en.wikipedia.org/wiki/Wide_Area_Network

Directions to the student

Answer the following questions:

1. What are the probable benefits of networking?
2. Identify which type of network is strictly used within an organization's network.
 - a. MAN
 - b. WAN
 - c. LAN
 - d. VLAN

3. Identify the type of networking that provides for long-distance transmission of data, voice, image, and video information between states and countries.
 - a. LAN
 - b. MAN
 - c. VAN
 - d. WAN
4. Identify a high-speed digital communications network evolving from existing telephone services.
 - a. VPN
 - b. ISDN
 - c. TCP/IP
 - d. DATA
5. Remote server access provides what two different types of remote access connectivity?
 - a. Dial-up remote access and virtual private network (VPN) remote access.
 - b. VPN and dial-up remote access
 - c. TCP/IP and VPN
 - d. VPN and dial-up remote access
6. Identify a communications channel that permanently connects two or more locations.
 - a. Dedicated connection
 - b. Private line
 - c. Leased line
 - d. All (a, b, c)