

Chapter 6



**ASSIGN
BUSTER**

ARPANET Advanced Research Projects Agency Network

Internet backbone The main pathway of high-speed communications lines over which all Internet traffic flows.

Network Service Providers Backbone links and routers

Network Access Points NSP equipment and links

Internet service providers is a company that offers Internet access to individuals, businesses, and smaller ISPs

TCP/IPs the primary protocol suite responsible for message transmission on the Internet

Static IP Address Permanent IP Address

Dynamic IP Address Temporary IP Address

Domain Names a key component of Web page addresses and e-mail addresses

Latency The Elapsed time for data to make a round trip from point A to point B back to Point A

Asymmetric Internet connection When upstream speeds differ from downstream speeds

Symmetric Internet connection When upstream and downstream speeds are the same

dial-up connection A fixed Internet connection that uses a voiceband modem and telephone lines

voiceband modem converts the signals from your computer into audible analog signals that can travel over telephone lines

DSL is a high-speed, digital, always-on Internet access technology that runs over standard phone lines

Cable Internet service is a means of distributing always-on broadband Internet access.

Cable modems convert your computer's signal into one that can travel over the CATV network

Satellite Internet service distributes always-on, high-speed asymmetric Internet

Satellite modems are a device that modulates data signals from a computer into a frequency band

Fixed wireless Internet service broadcasts data signals in order to offer Internet access to large areas

Portable Internet access is the ability to easily move your Internet service from one location to another

Mobile Internet access offers a continuous Internet connection as you are walking or riding in a bus, car, train, or plane

Wi-Fi hotspot is an area in which the public can access a Wi-Fi network that offers Internet service

mobile broadband cellular service providers offer data services

MiFi is a brand name for a compact, mobile, wireless router offered by Novatel Wireless

Cloud computing Depends on a grid of servers, storage devices, and protocols that offer Internet-accessible computing services

Real-time messaging system Allows people to exchange short messages while they are online

VoIP is a technology in which a broadband Internet connection is used to place telephone calls instead of the regular phone system

Internet forum Web-based online discussion site where participants post comments to discussion threads

wiki allows participants to modify posted material

blog is similar to an online diary; it is maintained by a person, company or organization and contains a series of entries on one or more topics.

tweet is a short message of 140 characters or less, posted to the Twitter Web site

grid computing systems a network of computers harnessed together to perform processing tasks

P2P file sharing allows users to obtain files from other users located anywhere on the Internet

BitTorrent is a file sharing protocol that distributes the role of file server across a collection of dispersed computers

Intrusion is any access to data or programs by hackers, criminals, or other unauthorized persons

Communications port is the doorway that allows a computer to exchange data with other devices

Port probe uses automated software to locate computers that have open ports

A firewall is software or hardware designed to filter out suspicious packets attempting to enter or leave a computer

Routers are intended to work within LANs to monitor and direct packets being transported from one device to another

Routable IP address is one that can be accessed by packets on the Internet

A private IP address is a non-routable IP address that can be used within a LAN, but not for Internet data transport

Network address translation is the process your router uses to keep track of packets

Virtual private network access to a remote access server in the corporate office

ON CHAPTER 6 SPECIFICALLY FOR YOU FOR ONLY \$13.90/PAGE Order Now