

Mis chapter 7



What spans a large geographic area such as a state, province, or country?

WAN

What measures network performance? Bandwidth

What is a device that enables a computer to transmit and receive data?

Modem

What is network convergence? The efficient coexistence of telephone, video, and data communication within a single network, offering convenience and flexibility not possible with separate infrastructures

Which of the following is a challenge associated with a connected world?

Political, social, ethical issues

What is a restricted network that relies on Internet technologies to provide an Internet-like environment within the company for information sharing, communications, collaboration, Web publishing, and the support of business processes? Intranet

A _____ service provider is a private company that owns and maintains the worldwide backbone that supports the Internet. National

_____ is a method of sending audio and video files over the Internet in such a way that the user can view the file while it is being transferred. Streaming

A _____ is a space station that orbits the Earth receiving and transmitting signals from Earth-based stations over a wide area. Satellite

A _____ positioning system is a satellite-based navigation system providing extremely accurate position, time, and speed information. Global

Local Area Network Connects a group of computers in close proximity

National Service Providers Private companies that own and maintain worldwide backbone that supports the internet

Network Access Points Traffic exchange points in the routing hierarchy of the internet that connects NSPs

Regional Service Providers Offer internet service by connecting to NSPs but also can connect directly to each other

Bandwidth Max amount of data that can pass from one point to another in a unit of time

Broadband High speed internet connection that is always connected

Protocol Standard that specifies the format of data as well as the rules to be followed during transmission

Transmission control protocol/Internet protocol provides the technical foundation for the public internet as well as for large number of private networks

Domain Name system Converts IP addresses into domains

Network convergence the efficient coexistence of telephone, video and data communication within a single network

Voice over IP (VoIP) Uses IP technology to transmit telephone calls

Internet protocol TV (IPTV) distributes digital video content using IP across the internet and private IP networks

Benefits of a connected world a. Sharing resources

b. providing opportunities

c. reducing travel

SSL Certificate an electronic doc that confirms the id of a website

Secure hypertext transfer protocol A combo of HTTP and SSL to provide encryption and secure id of an internet server

Digital Divide A worldwide gap giving advantage to those with access to technology

Personal Area Network Provide communication over a short distance single user

Bluetooth Wireless PAN technology that transmits signals over short distances between cell phones, computers and other devices

Wireless LAN (WLAN) Local area network that uses radio signals to transmit and receive data over distance of a few hundred feet

Wireless Fidelity portable devices connect wirelessly to a LAN using access points

Access Point Computer or network device that serves as an interface between devices and the network

Wireless Access Point Enables devices to connect to a wireless network to communicate with each other

Multiple in/ multiple out technology multiple transmitters and receivers allowing them to send and receive greater amounts of information

Wireless MANa metropolitan area network that uses radio signals to transmit and receive data

Smart Phoneoffer more advanced computing ability

Streamingmethod of send audio and video files over the internet

3Gservice that brings wireless broadband to mobile phones

Radio Frequency IDuses electronic tags and labels to identify objects wirelessly over short distances

Global Positioning SystemSatellite based navigation system providing extremely accurate position, time and speed information

automatic vehicle locationuses gps tracking to track vehicles

latituderepresents a north/south measurement of position

longituderepresents an east/west

GeocacheGPS technology adventure game that posts longitude and latitude of item for users to find

Geographic Information systemconsists of hardware, software and data that provide location info for display on a multidimensional map

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Location Based Services applications that use location info to provide a service

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