

# Marjorrie's notes – cis chapter 13



**ASSIGN  
BUSTER**

The organization called ICANN is responsible for managing the Internet's domain names and IP address allocation. So that all computers on the Internet can communicate with each other, they must use common rules called protocols. Which of the following is NOT a common protocol used on the Internet? HTTP - Which protocol does the Internet use for transmitting data? TCP/IP - Whether they dial up through a conventional modem or connect through high-speed access, individual Internet users enter an ISP through a point of presence (POP). An IP address is the unique identification number that is required for a computer or device (router, etc.) to be connected to the Internet. FTP enables users to share files that reside on local computers with remote computers. SSL is the protocol that provides a secure connection between a client and a server, over which any amount of data can be sent securely. IPv6 is the new proposed Internet protocol in which addresses are composed of eight groups of 16 bits each. Encryption refers to the process of coding your e-mail so that only the person with the key to the code can decode and read the message. TRUE about public-key encryption: public-key encryption is the most commonly used encryption on the internet; when you receive a message you use a private key to decode it; the public key is generated by running a public key through a complex mathematical formula. NOT TRUE: the keys are generated in such a way that they can work with any other set of keys. Controls domain name registration: ICANN. HTML language is composed of special symbols called markup tags. The CGI provides a methodology by which your browser can request that a program file be run instead of just being delivered to the browser. What functions like a phone book for the Internet, allowing your computer to translate a URL to an IP address: a DNS server. Public and private keys are characteristic components

of encryption an applet is a small application that resides on a server data is transmitted along the Internet using packet switching Which Internet protocol does a browser use to send requests HTTP what do all email client software now use to attach files MIME protocol secure sockets layer creates a secure connection between a client and server another word for Virtual Private Network (VPN) extranet networks with different network operating systems CAN communicate with each other circuit switching is inefficient when applied to computers because computer processing and communication take place in bursts XHTML has more stringent rules regarding markup tags than HTML (IPv6) internet protocol version 6 is a proposed IP addressing scheme that will make IP addresses longer Who owns pieces of the communication infrastructure that makes the Internet work Government entities a domain name takes the place of an IP address A point of presence is a bank of modems through which many users can connect to an ISP simultaneously TCP is one of the original protocols developed for transmitting data over the Internet TCP/IP suite consists of MANY interrelated protocols Static addressing provides means that the IP address for a computer never changes and is most likely assigned manually by a network administrator VeriSign is the current ICANN-accredited domain name registrar for the .com and .net domains a computer protocol is a set of rules for exchanging electronic information XML is more flexible than HTML you cannot send sensitive information using instant messaging because it is susceptible to interception by hackers private sector companies that make up the Internet system NOW exchange data via IXPs, Internet Exchange Points; NOT NAPs (were designed to move large amount of data quickly) in PUBLIC-key encryption two keys, known as a key pair, are created (one key for coding

and the other for decoding) T lines are high-speed fiber-optic communications lines that provide higher throughput than conventional voice lines XML is used extensively in eCommerce for exchanging data between corporations collection of large national and international networks is known as the internet backbone web server computer that provides web space for web pages and provides requested web pages to clients DHCP provides dynamic addressing FTP enables file sharing telnet runs on a remote computer to make it accessible to other computers IP send data between computers on the Internet file server provides remote storage space for files users can download NAK packet was not received in understandable form CGI methodology by which your browser can request that a program file be executed XML markup language PGP encryption program SSL provides for the encryption of any amount of data transmitted using TCP/IP protocols POP bank of modems through which many users can connect to an ISP at the same time HTML was not designed for information exchange, so XML was created; instead of being locked into standard tags and formats for data, XML enables users to create their own mark up languages to accommodate particular data format and needs

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