Quizlet

CHAPTER 13

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Key concepts:

Simple Mail Transfer Protocol   Secure Sockets Layer   Transport Layer Security

Terms in this set (93)

The _____ is responsible for the Internet's domain name system and the allocation of IP addresses.	ICANN	★
The main path of the Internet along which data travel the fastest is known as the Internet _____.	backbone	★
High-speed _____ communication lines use fiber-optics.	OC	★
Individual Internet users connect to ISPs through a(n) _____.	point of presence (POP)	★
The main suite of protocols used on the Internet is _____.	TCP/IP	★
_____ uses a dedicated connection between two points with the connection remaining active for the duration of the transmission.	Circuit switching	★

Which of the following information is NOT contained in a packet?	The size (in bytes) of the packet	★

A(n) _____ address is a unique number that identifies a computer, server, or device connected to the Internet.	IP	★

A(n) _____ address is a temporary IP address that is assigned from an available pool of IP addresses.	dynamic	★

An IP address that does not change and is usually assigned manually by a network administrator is called a _____ address.	static	★

IPV6 was needed when IPV4 _____.	no longer had enough unique addresses	★

When checking to see whether a particular name is registered on the Internet, your computer accesses a	DNS	★

database that is kept on a(n) _____ server.		
An IP address in the form 197.169.100.1 is called a(n) _____.	dotted quad	★

In http://www.pearsonhigh ered.com, which of the following is the top-level domain?	com	★

By adding a network prefix to an IP address, supernetting or _____ lets a single IP address represent multiple unique IP addresses.	classless interdomain routing (CIDR)	★

Which of the following is NOT a language used in developing websites?	KML	★

Which of the following was created for the transfer of hypertext documents across the Internet?	HTTP	★

 is an example of an HTML _____.	tag	★

Text such as This	element	★

should be bolded. is an example of an HTML _____

_____ defines the content in terms of the data that is being described rather than how it is to be displayed.

XML ★

_____ provides a procedure by which a browser can request that a program file be run rather than just being delivered to the browser.

CGI ★

A(n) _____ is a small program that resides on a server and is designed to be downloaded and run on a client computer.

applet ★

The _____ defines items on a web page such as graphics, tables, and headers as objects.

DOM ★

Which protocol is used when sending files as attachments by e-mail?

Multipurpose Internet Mail Extensions (MIME) ★

| In public-key encryption, the two keys—one for coding and one for decoding—are known as _____. | a key pair | ★ |

| Which of the following is an example of an instant messenger service? | Yahoo Messenger | ★ |

| _____ permits two or more people to communicate over the Internet in real time. | Instant messaging | ★ |

| Strong encryption now requires _____-bit keys. | 256 | ★ |

| _____ is a consortium of organizations that develops web protocols and sets standards. | World Wide Web Consortium/W3C | ★ |

| A typical _____ is made up of one or more network switches to which ISPs connect. | Internet exchange point/IXP | ★ |

| _____ servers are computers that enable users to buy goods and services over the web. | Commerce | ★ |

_____ is the communications methodology where data are broken into smaller chunks to be sent over various routes at the same time.	Packet switching	★
SMTP stands for _____.	Simple Mail Transfer Protocol	★
_____ is a method of communication in which a dedicated connection is formed between two points and the connection remains active during the transmission.	Circuit switching	★
In the acronym HTTPS, the S stands for _____.	Secure	★
The _____ IP addressing scheme uses 128-bit addressing.	IPv6	★
197.169.73.63 is an example of a(n) _____.	IP address, Internet Protocol address, dotted decimal number,dotted quad	★
.com and .edu are examples of a(n) _____.	top-level domain/TLD	★

When using _____ addressing, a computer is assigned a temporary address from available IP addresses.	dynamic	★
The IPv4 protocol is beginning to be replaced by the _____ protocol.	IPv6	★
A(n) _____ links a URL to an IP address when a web page is requested.	Domain Name System (DNS) server	★
When a(n) _____ address is assigned to a computer, its IP address will not change.	static	★
In http://example.gov, what is the second-level domain?	example	★
Transport Layer Security (TLS) and _____ are two protocols that provide data integrity and security for Internet transmission.	Secure Sockets Layer (SSL)	★
CGI scripts are known as _____ programs because	server-side	★

these programs run on a web server.

_____ is the most commonly used scripting language for creating DHTML effects. | JavaScript | ⭐

DHTML stands for _____. | Dynamic HyperText Markup Language(dhtml) | ⭐

\<i> is an example of an HTML _____. | tag | ⭐

_____ combines HTML, cascading style sheets, and JavaScript. | Dynamic HTML | ⭐

A(n) _____ program is a computer program that runs on the client computer and requires no interaction with a web server. | client-side | ⭐

A(n) _____ is a small program that resides on a server, is downloaded to the client, and runs when needed without additional data transfers between the client and server. | applet | ⭐
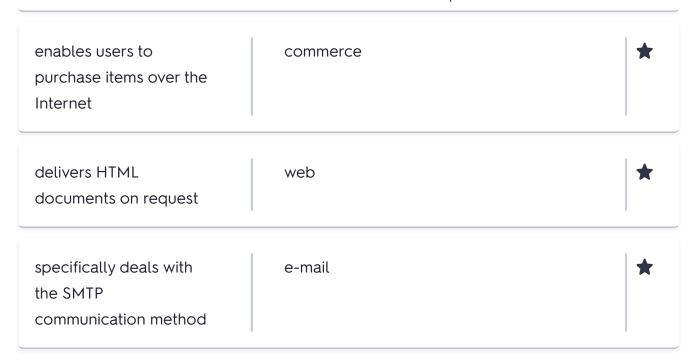
MIME stands for _____.	Multipurpose Internet Mail Extensions	★

_____ is the process of encoding e-mail so that only the person with a corresponding key can decode and read the message.	Encryption	★

When using _____-key encryption, only the message sender and recipient have the code.	private	★

In _____- key encryption, two keys, known as a key pair, are created, where one key is used for coding and the other key for decoding.	public	★

The United States government is in charge of the Internet.	FALSE	★

FTP enables files to be downloaded or uploaded between computers.	TRUE	★

When using packet switching, packets are	FALSE	★

always sent over the
same route.

| File Transfer Protocol (FTP) is used to transmit e-mail messages across the Internet. | FALSE | ★ |

| IPv6 uses six groups of 16-bit numbers. | FALSE | ★ |

| Dynamic IP addressing is accomplished using a DHCP server. | TRUE | ★ |

| Client-side programs run on a web server rather than on your computer. | FALSE | ★ |

| An applet is a small application that resides on a server but is downloaded to, and run on, the client computer. | TRUE | ★ |

| JavaScript commands are executed on a server computer. | FALSE | ★ |

| HTML is a simple programming language. | FALSE | ★ |

The tag <i> informs a browser that the text that follows the tag should be italicized.	TRUE	★
XML technologies allow web pages to change after they have been loaded.	FALSE	★
Java and JavaScript refer to the same language.	FALSE	★
used for transmission of e-mail messages across the Internet	SMTP	★
protocol that assigns dynamic IP addresses	DHCP	★
transfers data from servers to browsers	HTTP	★
prepares data for transmission providing for error checking and resending lost data	TCP	★
sends data between computers on the Internet	IP	★

| a dedicated connection is formed between two communicating parties | circuit switching | ★ |

| public-key package | PGP | ★ |

| exchange of control packets between computers | handshaking | ★ |

| breaks information down into pieces that can take different paths | packet switching | ★ |

| allocates IP address | ICANN | ★ |

| a unique identification number that defines each computer, service, or other device that connects to the Internet | IP address | ★ |

| used in a common encryption technique | key pair | ★ |

| a set of rules for exchanging electronic information | computer protocol | ★ |

| IP address for a computer does not change | static addressing | ★ |

temporary IP address for a computer that is assigned from a pool of available IP addresses	dynamic addressing	★
unique domain within another domain	second-level domain	★
list of rules that define how to display HTML elements	cascading style sheet	★
communication between two or more people over the Internet in real time	instant messaging	★
section of a hard drive that stores web page information	Internet cache	★
used to decode an encrypted message	private-key	★
translates a domain name into an IP address	DNS	★
assigns users IP addresses for the duration of a session	DHCP	★

enables users to purchase items over the Internet	commerce	★

delivers HTML documents on request	web	★

specifically deals with the SMTP communication method	e-mail	★

THIS SET IS OFTEN IN FOLDERS WITH...

CHAPTER 12

95 terms

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Chapter 10

46 terms

ashleeg95

Technology in Action Chapter 10

45 terms

marymorales117

Chapter 7: Networking: Connecting Computing Devices

45 terms
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