CA1-001^{Q&As}

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QUESTION 1

Which of the following protocols will you use to query and modify information stored within directory services?

A. TFTP

B. LDAP

C. SSL

D. TLS

Correct Answer: B

Lightweight Directory Access Protocol (LDAP) is a protocol used to query and modify information stored within directory services. The Lightweight Directory Access Protocol (LDAP) is a standard protocol, which provides access to the

directory. It also provides a common language for LDAP clients and servers to communicate with each other. The LDAP is commonly used as standard in the industry. By using a directory service such as LDAP, information existing in multiple

systems and formats can be brought at one place.

Answer options C and D are incorrect. The Secure Sockets Layer (SSL) and Transport Layer Security (TLS) protocols are used to provide transport level security for Web services applications.

Answer option A is incorrect. Trivial File Transfer Protocol (TFTP) is a file transfer protocol, with the functionality of a very basic form of File Transfer Protocol (FTP). TFTP can be implemented in a very small amount of memory. It is useful for booting computers such as routers which did not have any data storage devices. It is used to transfer small amounts of data between hosts on a network, such as IP phone firmware or operating system images when a remote X Window

System terminal or any other thin client boots from a network host or server.

The initial stages of some network based installation systems (such as Solaris Jumpstart, Red Hat Kickstart and Windows NTs Remote Installation Services) use TFTP to load a basic kernel that performs the actual installation. TFTP uses UDP port 69 for communication.

QUESTION 2

Which of the following protocols encrypt the segments of network connections at the Transport Layer end-to-end? Each correct answer represents a complete solution. Choose two.

A. SSL

B. HTTPS

C. SNMP

D. TLS

Correct Answer: AD

Transport Layer Security (TLS) and its predecessor. Secure Sockets Layer (SSL), are cryptographic protocols that provide security for communications over networks, such as the Internet. TLS and SSL encrypt the segments of network connections at the Transport Layer end- to-end.

Several versions of the protocols are in widespread use in applications like web browsing, electronic mail, Internet faxing, instant messaging and voice-over-IP (VoIP).

The TLS protocol allows client/server applications to communicate across a network in a way designed to prevent eavesdropping and tampering. TLS provides endpoint authentication and communications confidentiality over the Internet using cryptography. TLS provides RSA security with 1024 and 2048 bit strengths.

In typical end-user/browser usage, TLS authentication is unilateral: only the server is authenticated (the client knows the server\'s identity), but not vice versa (the client remains unauthenticated or anonymous).

TLS also supports the more secure bilateral connection mode (typically used in enterprise applications), in which both ends of the "conversation"\' can be assured with whom they are communicating (provided they diligently scrutinize the identity information in the other party\'s certificate). This is known as mutual authentication, or 2SSL. Mutual authentication requires that the TLS client-side also hold a certificate (which is not usually the case in the end-user/browser scenario). Unless, that is. TLS-PSK. the Secure Remote Password (SRP) protocol or some other protocol is used that can provide strong mutual authentication in the absence of certificates.

Typically, the key information and certificates necessary for TLS are handled in the form of X.509 certificates, which define required fields and data formats. SSL operates in modular fashion. It is extensible by design, with support for forward and backward compatibility and negotiation between peers.

Answer option B is incorrect. Hypertext Transfer Protocol Secure (HTTPS) is a protocol used in the Universal Resource Locater (URL) address line to connect to a secure site. When an SSL connection is established between a Web browser and a Web server, HTTPS should be entered, instead of HTTP, as the protocol type in the URL. HTTPS uses TCP port 443 as the default port.

Answer option C is incorrect. The Simple Network Management Protocol (SNMP) allows a monitored device (for example, a router or a switch) to run an SNMP agent. This protocol is used for managing many network devices remotely.

When a monitored device runs an SNMP agent, an SNMP server can then query the SNMP agent running on the device to collect information such as utilization statistics or device configuration information. An SNMP-managed network typically consists of three components: managed devices, agents, and one or more network management systems.

QUESTION 3

Compliance is described as dutifulness, obligingness, pliability, tolerance, and tractability. Which of the following are multitude of standards that a project must comply?

Each correct answer represents a complete solution. Choose all that apply.

A. Process compliance

B. Decision oversight

C. Control compliance

D. Standards compliance

Correct Answer: ABD

Compliance is described as dutifulness, obligingness, pliability, tolerance, and tractability. Compliance means that an organization must take care of organization\'s internal regulations, as well as follow the laws of the country and requirements of local legislation and regulations. It may result in conflicts.

Projects must comply with a multitude of standards. Those include the following:

Standards compliance: Local, state, and federal government

Process compliance: Audit trails, retention, version control

Decision oversight: Change Control Board

QUESTION 4

A partnership is a for profit business association of two or more persons. Which of the following statements are true about partnership? Each correct answer represents a complete solution. Choose all that apply.

A. Each and every partner shares directly in the organization\'s profits and shares control of the business operation.

B. A partnership is an arrangement where parties agree to cooperate to advance their mutual interests.

C. The consequence of this profit sharing is that employees are jointly and independently liable for the partnership\'s debts.

D. Partnerships present the involved parties with special challenges that must be navigated unto agreement.

Correct Answer: ABD

A partnership is a for profit business association of two or more persons. Because the business component is defined broadly by state laws and because persons can include individuals, groups of individuals, companies, and corporations, partnerships are highly adaptable in form and vary in complexity.

A partnership is an arrangement where parties agree to cooperate to advance their mutual interests. Partnerships present the involved parties with special challenges that must be navigated unto agreement. Each and every partner shares directly in the organization\'s profits and shares control of the business operation. The consequence of this profit sharing is that partners are jointly and independently liable for the partnership\'s debts.

QUESTION 5

Maria is concerned about outside parties attempting to access her companies network via the wireless connection. Where should she place the WAP?

A. Centrally in the building

B. WAPs should be placed at each corner

C. In the server room

D. Inside a secure room

Correct Answer: A

The more centrally located the WAP is the less of its range can extend beyond the building, making it more difficult for

intruders to attempt to access the wireless network.

Answer option C is incorrect. The server room is not a good place for WAP. It will probably be less accessible to users, and if the server room is near the perimeter of the building, will not address the problem described.

Answer option B is incorrect. Placing a WAP near a building corner will guarantee that a lot of its coverage area extends beyond the building making it easier for attackers to access the wireless network.

Answer option D is incorrect. The locating of the WAP inside a room, of any kind, is irrelevant to this question.

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