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GIAC Security Essentials

GIAC GSEC

Version Demo

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QUESTION NO: 1

Which of the following statements about IPSec are true?

Each correct answer represents a complete solution. Choose two.

- A. It uses Internet Protocol (IP) for data integrity.
- B. It uses Authentication Header (AH) for data integrity.
- C. It uses Password Authentication Protocol (PAP) for user authentication.
- D. It uses Encapsulating Security Payload (ESP) for data confidentiality.

ANSWER: B D

QUESTION NO: 2

Which of the following statements about Network Address Translation (NAT) are true? Each correct answer represents a complete solution. Choose two.

- A. It reduces the need for globally unique IP addresses.
- B. It allows external network clients access to internal services.
- C. It allows the computers in a private network to share a global, ISP assigned address to connect to the Internet.
- D. It provides added security by using Internet access to deny or permit certain traffic from the Bastion Host.

ANSWER: A C

QUESTION NO: 3

When discussing access controls, which of the following terms describes the process of determining the activities or functions that an Individual is permitted to perform?

- A. Authentication
- B. Identification
- C. Authorization
- D. Validation

ANSWER: C

QUESTION NO: 4

Which of the following statements regarding the Secure Sockets Layer (SSL) security model are true?

Each correct answer represents a complete solution. Choose two.

- A. The client can optionally authenticate the server.
- B. The client always authenticates the server.
- C. The server always authenticates the client.
- D. The server can optionally authenticate the client.

ANSWER: B D

QUESTION NO: 5

You work as a Network Administrator for Net Perfect Inc. The company has a Linux-based network. You are configuring an application server. An application named Report, which is owned by the root user, is placed on the server. This application requires superuser permission to write to other files. All sales managers of the company will be using the application. Which of the following steps will you take in order to enable the sales managers to run and use the Report application?

- A. Change the Report application to a SUID command.
- B. Make the user accounts of all the sales managers the members of the root group.
- C. Provide password of root user to all the sales managers.
Ask each sales manager to run the application as the root user.
- D. As the application is owned by the root, no changes are required.

ANSWER: A

QUESTION NO: 6

Which of the following are used to suppress gasoline and oil fires? Each correct answer represents a complete solution. Choose three.

- A. Halon
- B. CO2
- C. Soda acid
- D. Water

ANSWER: A B C

QUESTION NO: 7

With regard to defense-in-depth, which of the following statements about network design principles is correct?

- A.** A secure network design requires that systems that have access to the Internet should not be accessible from the Internet and that systems accessible from the Internet should not have access to the Internet.
- B.** A secure network design requires that networks utilize VLAN (Virtual LAN) implementations to insure that private and semi-public systems are unable to reach each other without going through a firewall.
- C.** A secure network design will seek to provide an effective administrative structure by providing a single choke-point for the network from which all security controls and restrictions will be enforced.
- D.** A secure network design will seek to separate resources by providing a security boundary between systems that have different network security requirements.

ANSWER: D**QUESTION NO: 8**

Which of the following commands is used to change file access permissions in Linux?

- A.** chgrp
- B.** chperm
- C.** chmod
- D.** chown

ANSWER: C**QUESTION NO: 9**

What is the key difference between Electronic Codebook mode and other block cipher modes like Cipher Block Chaining, Cipher-Feedback and Output-Feedback?

- A.** Plaintext patterns are concealed by XOR Ring with previous cipher text block but input to the block cipher is not randomized.
- B.** Plaintext patterns are concealed and input to the block cipher is randomized by XOR Ring with previous cipher text block.
- C.** Plaintext patterns encrypted with the same key will always generate the same Cipher text pattern
- D.** Plaintext patterns are not concealed but input to the block cipher is randomized by XOR Ring with previous cipher text block.

ANSWER: C

QUESTION NO: 10

You have an automated system for patching the operating systems of all your computers. All patches are supposedly current. Yet your automated vulnerability scanner has just reported vulnerabilities that you believe have been patched. Which of the actions below should you take next?

- A. Check some systems manually.
- B. Rerun the system patching routines.
- C. Contact the incident response team.
- D. Ignore the findings as false positives.

ANSWER: A**QUESTION NO: 11**

Which of the following statements about Microsoft's VPN client software is FALSE?

- A. The VPN interface can be figured into the route table.
- B. The VPN interface has the same IP address as the interface to the network it's been specified to protect.
- C. The VPN client software is built into the Windows operating system.
- D. The VPN tunnel appears as simply another adapter.

ANSWER: B**QUESTION NO: 12**

Which of the following protocols work at the Session layer of the OSI model? Each correct answer represents a complete solution. Choose all that apply.

- A. Border Gateway Multicast Protocol (BGMP)
- B. Internet Security Association and Key Management Protocol (ISAKMP)
- C. Trivial File Transfer Protocol (TFTP)
- D. User Datagram Protocol (UDP)

ANSWER: A B**QUESTION NO: 13 - (FILL BLANK)**

Fill in the blank with the correct answer to complete the statement below.

The permission is the minimum required permission that is necessary for a user to enter a directory and list its contents.

ANSWER: Read

QUESTION NO: 14

Which of the following statements about DMZ are true?

Each correct answer represents a complete solution. Choose two.

- A. It is the boundary between the Internet and a private network.
- B. It is an anti-virus software that scans the incoming traffic on an internal network.
- C. It contains company resources that are available on the Internet, such as Web servers and FTP servers.
- D. It contains an access control list (ACL).

ANSWER: A C

QUESTION NO: 15

What is SSL primarily used to protect you against?

- A. Session modification
- B. SQL injection
- C. Third-party sniffing
- D. Cross site scripting

ANSWER: C