

# 1D0-571<sup>Q&As</sup>

CIW V5 Security Essentials

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**QUESTION 1**

You are using a PKI solution that is based on Secure Sockets Layer (SSL). Which of the following describes the function of the asymmetric-key-encryption algorithm used?

- A. It encrypts the symmetric key.
- B. It encrypts all of the data.
- C. It encrypts the hash code used for data integrity.
- D. It encrypts the X.509 key.

Correct Answer: A

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**QUESTION 2**

What is the primary strength of symmetric-key encryption?

- A. It allows easy and secure exchange of the secret key.
- B. It creates a hash of a text, enabling data integrity. It creates a hash of a text, enabling data integrity.
- C. It can encrypt large amounts of data very quickly.
- D. It provides non-repudiation services more efficiently than asymmetric-key encryption.

Correct Answer: C

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**QUESTION 3**

Which of the following is most likely to address a problem with an operating system's ability to withstand an attack that attempts to exploit a buffer overflow?

- A. Firewall
- B. Software update
- C. Intrusion detection system
- D. Network scanner

Correct Answer: B

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**QUESTION 4**

Requests for Web-based resources have become unacceptably slow. You have been assigned to implement a solution that helps solve this problem. Which of the following would you recommend?

- A. Enable stateful multi-layer inspection on the packet filter
- B. Implement caching on the network proxy server
- C. Enable authentication on the network proxy server
- D. Implement a screening router on the network DMZ

Correct Answer: B

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#### QUESTION 5

You have determined that the company Web server has several vulnerabilities, including a buffer overflow that has resulted in an attack. The Web server uses PHP and has direct connections to an Oracle database server. It also uses many CGI scripts. Which of the following is the most effective way to respond to this attack?

- A. Installing software updates for the Web server daemon
- B. Using the POST method instead of the GET method for a Web form
- C. Installing an intrusion detection service to monitor logins
- D. Using the GET method instead of the POST method for a Web form

Correct Answer: A

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#### QUESTION 6

Jason is attempting to gain unauthorized access to a corporate server by running a program that enters passwords from a long list of possible passwords. Which type of attack is this?

- A. Brute force
- B. Denial of service
- C. Botnet
- D. Buffer overflow

Correct Answer: A

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#### QUESTION 7

You have been assigned to configure a DMZ that uses multiple firewall components. Specifically, you must configure a router that will authoritatively monitor and, if necessary, block traffic. This device will be the last one that inspects traffic before it passes to the internal network. Which term best describes this device?

- A. Screening router
- B. Bastion host

- C. Proxy server
- D. Choke router

Correct Answer: D

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#### QUESTION 8

You have just deployed an application that uses hash-based checksums to monitor changes in the configuration scripts of a database server that is accessible via the Internet. Which of the following is a primary concern for this solution?

- A. The extra hard disk space required to store the database of checksums
- B. The amount of memory remaining now that the checksum-based application is running
- C. The possibility of a bufferoverflow attack leading to a security breach
- D. The security of the checksum database on a read-only media format

Correct Answer: D

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#### QUESTION 9

Which of the following standards is used for digital certificates?

- A. DES
- B. Diffie-Hellman
- C. X.509
- D. RC5

Correct Answer: C

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#### QUESTION 10

You want to create a certificate for use in a Secure Sockets Layer (SSL) session. Which of the following is responsible for verifying the identity of an individual and also issuing the certificate?

- A. Kerberos server
- B. Certificate authority
- C. Certificate revocation entity
- D. Certificate repository

Correct Answer: B

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**QUESTION 11**

You have discovered that the ls, su and ps commands no longer function as expected. They do not return information in a manner similar to any other Linux system. Also, the implementation of Tripwire you have installed on this server is returning new hash values. Which of the following has most likely occurred?

- A. Atrojan has attacked the system.
- B. A SQL injection attack has occurred.
- C. A spyware application has been installed. D. A root kit has been installed on the system.

Correct Answer:

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**QUESTION 12**

Which of the following details should be included in documentation of an attack?

- A. An overview of the security policy and suggestions for the next response plan
- B. Estimates of how much the attack cost the company, and a list of the applications used by the attacker
- C. The time and date of the attack, and the names of employees who were contacted during the response
- D. The network resources involved in the attack, and recommendations for thwarting future attacks

Correct Answer: C

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**QUESTION 13**

Which of the following is a common problem, yet commonly overlooked, in regards to physical security in server rooms?

- A. Firewalls that do not have a dedicated backup
- B. False ceilings
- C. Logic bombs
- D. Biometric malfunctions

Correct Answer: B

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**QUESTION 14**

A new server has been placed on the network. You have been assigned to protect this server using a packet-filtering firewall. To comply with this request, you have enabled the following ruleset:

Rule Number	Action	SRC IP	DST IP	SRC Port	DST Port	Protocol
1	Allow	192.168.10.0/24	*	110	> 1023	TCP
2	Allow	*	192.168.10.0/24	< 1023	110	TCP
3	Allow	192.168.10.0/24		< 1023	< 1023	TCP
4	Allow	*	192.168.10.0/24	< 1023	< 1023	TCP

Which choice describes the next step to take now that this ruleset has been enabled?

- A. From the internal network, use your Web browser to determine whether all internal users can access the Web server.
- B. From the internal network, use your e-mail client to determine whether all internal users can access the e-mail server.
- C. From the external network, use your Web browser to determine whether all external users can access the Web server.
- D. From the external network, use your e-mail client to determine whether all external users can access the e-mail server.

Correct Answer: D

**QUESTION 15**

Which of the following is the most likely first step to enable a server to recover from a denial-of- service attack in which all hard disk data is lost?

- A. Enable virtualization
- B. Contact the backup service
- C. Contact a disk recovery service
- D. Rebuild your RAID 0 array

Correct Answer: B

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