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Vendor:CompTIA

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Version:Demo

QUESTION 1

When an authorized application is installed on a server, the application triggers an alert on the HIDS. This is known as a:

- A. Vulnerability
- B. False negative
- C. False positive
- D. Threat vector

Correct Answer: C

QUESTION 2

A company wants to prevent unauthorized access to its secure data center. Which of the following security controls would be MOST appropriate?

- A. Alarm to local police
- B. Camera
- C. Security guard
- D. Motion detector

Correct Answer: C

QUESTION 3

The chief information officer (CIO) of a major company intends to increase employee connectivity and productivity by issuing employees mobile devices with access to their enterprise email, calendar, and contacts. The solution the CIO intends to use requires a PKI that automates the enrollment of mobile device certificates. Which of the following, when implemented and configured securely, will meet the CIO's requirement?

- A. OCSP
- B. SCEP
- C. SAML
- D. OSI

Correct Answer: B

QUESTION 4

Configure the Firewall

Task: Configure the firewall (fill out the table) to allow these four rules:

1. Only allow the Accounting computer to have HTTPS access to the Administrative server.
2. Only allow the HR computer to be able to communicate with the Server 2 System over SCP.
3. Allow the IT computer to have access to both the Administrative Server 1 and Administrative Server 2



Source IP	Destination IP	Port Number	TCP/UDP	Allow/Deny

Correct Answer: Explanation

Explanation/Reference:

Use the following answer for this simulation task:

Source IP

Destination IP

Port number

TCP/UDP

Allow/Deny

10.4.255.10/24

10.4.255.101

443

TCP

Allow

10.4.255.10/23

10.4.255.2

22

TCP

Allow

10.4.255.10/25

10.4.255.101

Any

Any

Allow

10.4.255.10/25

10.4.255.102

Any

Any

Allow

Firewall rules act like ACLs, and they are used to dictate what traffic can pass between the firewall and the internal network. Three possible actions can be taken based on the rule

QUESTION 5

An administrator discovers the following log entry on a server.

Nov 12 2013 00:23:45 httpd[2342]: /app2/prod/process.php?input=change.cd%20../ect: cat%20shadow

Which of the following attacks is being attempted?

A. Command injection

B. Password attack

- C. Buffer overflow
- D. Cross-site scripting

Correct Answer: B

QUESTION 6

A cyber security administrator receives a list of IPs that have been reported as attempting to access the network. To identify any possible successful attempts across the enterprise, which of the following should be implemented?

- A. Monitor authentication logs
- B. Disable unnecessary accounts
- C. Time of day restrictions
- D. Separation of duties

Correct Answer: A

QUESTION 7

Which of the following protocols encapsulates an IP packet with an additional IP header?

- A. SFTP
- B. IPSec
- C. HTTPS
- D. SSL

Correct Answer: B

Authentication Header (AH) is a member of the IPsec protocol suite. AH operates directly on top of IP, using IP protocol number 51.

QUESTION 8

Which of the following devices would be MOST useful to ensure availability when there are a large number of requests to a certain website?

- A. Protocol analyzer
- B. Load balancer
- C. VPN concentrator
- D. Web security gateway

Correct Answer: B

Load balancing refers to shifting a load from one device to another. A load balancer can be implemented as a software or hardware solution, and it is usually associated with a device--a router, a firewall, NAT appliance, and so on. In its most common implementation, a load balancer splits the traffic intended for a website into individual requests that are then rotated to redundant servers as they become available.

QUESTION 9

A bank requires tellers to get manager approval when a customer wants to open a new account. A recent audit shows that there have been four cases in the previous year where tellers opened accounts without management approval. The bank president thought separation of duties would prevent this from happening. In order to implement a true separation of duties approach the bank could:

- A. Require the use of two different passwords held by two different individuals to open an account
- B. Administer account creation on a role based access control approach
- C. Require all new accounts to be handled by someone else other than a teller since they have different duties
- D. Administer account creation on a rule based access control approach

Correct Answer: C

QUESTION 10

Which of the following ports is used for TELNET by default?

- A. 22
- B. 23
- C. 21
- D. 20

Correct Answer: B

QUESTION 11

Public key certificates and keys that are compromised or were issued fraudulently are listed on which of the following?

- A. PKI
- B. ACL
- C. CA
- D. CRL

Correct Answer: D

A CRL is a locally stored record containing revoked certificates and revoked keys.

QUESTION 12

Which of the following is a step in deploying a WPA2-Enterprise wireless network?

- A. Install a token on the authentication server
- B. Install a DHCP server on the authentication server
- C. Install an encryption key on the authentication server
- D. Install a digital certificate on the authentication server

Correct Answer: D

When setting up a wireless network, you'll find two very different modes of Wi-Fi Protected Access (WPA) security, which apply to both the WPA and WPA2 versions. The easiest to setup is the Personal mode, technically called the Pre-Shared Key (PSK) mode. It doesn't require anything beyond the wireless router or access points (APs) and uses a single passphrase or password for all users/devices. The other is the Enterprise mode --which should be used by businesses

and organizations--and is also known as the RADIUS, 802.1X, 802.11i, or EAP mode. It provides better security and key management, and supports other enterprise-type functionality, such as VLANs and NAP. However, it requires an external authentication server, called a Remote Authentication Dial In User Service (RADIUS) server to handle the 802.1X authentication of users.

To help you better understand the process of setting up WPA/WPA2-Enterprise and 802.1X, here's the basic overall steps:

Choose, install, and configure a RADIUS server, or use a hosted service. Create a certificate authority (CA), so you can issue and install a digital certificate onto the RADIUS server, which may be done as a part of the RADIUS server

installation and configuration. Alternatively, you could purchase a digital certificate from a public CA, such as GoDaddy or Verisign, so you don't have to install the server certificate on all the clients. If using EAP-TLS, you'd also create digital

certificates for each end-user. On the server, populate the RADIUS client database with the IP address and shared secret for each AP.

On the server, populate user data with usernames and passwords for each end-user. On each AP, configure the security for WPA/WPA2-Enterprise and input the RADIUS server IP address and the shared secret you created for that particular

AP. On each Wi-Fi computer and device, configure the security for WPA/WPA2-Enterprise and set the 802.1X authentication settings.

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