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QUESTION 1

Given the following list of corporate access points, which of the following attacks is MOST likely underway if the company wireless network uses the same wireless hardware throughout?

MACSID

00:01:AB:FA:CD:34Corporate AP

00:01:AB:FA:CD:35Corporate AP

00:01:AB:FA:CD:36Corporate AP

00:01:AB:FA:CD:37Corporate AP

00:01:AB:FA:CD:34Corporate AP

- A. Packet sniffing
- B. Evil Twin
- C. WPS attack
- D. Rogue access point

Correct Answer: B

QUESTION 2

Which of the following must a user implement if they want to send a secret message to a coworker by embedding it within an image?

- A. Transport encryption
- B. Steganography
- C. Hashing
- D. Digital signature

Correct Answer: B

Steganography is the process of concealing a file, message, image, or video within another file, message, image, or video.

Note: The advantage of steganography over cryptography alone is that the intended secret message does not attract attention to itself as an object of scrutiny. Plainly visible encrypted messages, no matter how unbreakable will arouse interest, and may in themselves be incriminating in countries where encryption is illegal. Thus, whereas cryptography is the practice of protecting the contents of a message alone, steganography is concerned with concealing the fact that a secret message is being sent, as well as concealing the contents of the message.



QUESTION 3

A technician wants to securely collect network device configurations and statistics through a scheduled and automated process. Which of the following should be implemented if configuration integrity is most important and a credential compromise should not allow interactive logons?

- A. SNMPv3
- B. TFTP
- C. SSH
- D. TLS

Correct Answer: A

SNMPv3 provides the following security features:

Message integrity--Ensures that a packet has not been tampered with in transit. Authentication--Determines that the message is from a valid source. Encryption--Scrambles the content of a packet to prevent it from being learned by an unauthorized source.

QUESTION 4

A security engineer would like to analyze the effect of deploying a system without patching it to discover potential vulnerabilities. Which of the following practices would best allow for this testing while keeping the corporate network safe?

- A. Perform grey box testing of the system to verify the vulnerabilities on the system
- B. Utilize virtual machine snapshots to restore from compromises
- C. Deploy the system in a sandbox environment on the virtual machine
- D. Create network ACLs that restrict all incoming connections to the system

Correct Answer: C

QUESTION 5

A company administrator has a firewall with an outside interface connected to the Internet and an inside interface connected to the corporate network. Which of the following should the administrator configure to redirect traffic destined for the default HTTP port on the outside interface to an internal server listening on port 8080?

- A. Create a dynamic PAT from port 80 on the outside interface to the internal interface on port 8080
- B. Create a dynamic NAT from port 8080 on the outside interface to the server IP address on port 80
- C. Create a static PAT from port 80 on the outside interface to the internal interface on port



D. Create a static PAT from port 8080 on the outside interface to the server IP address on port 80

Correct Answer: C

Static PAT translations allow a specific UDP or TCP port on a global address to be translated to a specific port on a local address. In this case, the default HTTP port (80) is the global address to be translated, and port 8080 is the specific port on a local address.

Incorrect Options:

A: Dynamic PAT is not a valid type of PAT.

B: Dynamic NAT translates a group of real addresses to a pool of mapped addresses that are routable on the destination network. The question also states that the internal server is listening on port 8080.

D: The question states that the internal server is listening on port 8080.

Reference:

http://www.cisco.com/c/en/us/td/docs/security/asa/asa82/configuration/guide/config/nat_staticpat.html

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