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QUESTION 1

All security analysts' workstations at a company have network access to a critical server VLAN. The information security manager wants to further enhance the controls by requiring that all access to the secure VLAN be authorized only from a given single location. Which of the following will the information security manager most likely implement?

- A. A forward proxy server
- B. A jump server
- C. A reverse proxy server
- D. A stateful firewall server

Correct Answer: B

A jump server, also known as a bastion host or a secure access server, is a dedicated server that serves as a single access point for administrators or authorized users to connect to other systems within a network. By requiring all access to the secure VLAN to go through the jump server, the information security manager can enforce a centralized and controlled access point. This ensures that all access to the secure VLAN is authorized and can be monitored or logged for security purposes. A jump server provides an additional layer of security and helps protect against unauthorized access.

QUESTION 2

Which of the following is a security implication of newer ICS devices that are becoming more common in corporations?

- A. Devices with cellular communication capabilities bypass traditional network security controls
- B. Many devices do not support elliptic-curve encryption algorithms due to the overhead they require
- C. These devices often lack privacy controls and do not meet newer compliance regulations
- D. Unauthorized voice and audio recording can cause loss of intellectual property

Correct Answer: A

QUESTION 3

A network engineer notices the VPN concentrator overloaded and crashes on days when there are a lot of remote workers. Senior management has placed greater importance on the availability of VPN resources for the remote workers than the security of the end users' traffic.

Which of the following would be BEST to solve this issue?

- A. iPSec
- B. Always On
- C. Split tunneling



D. L2TP

Correct Answer: B

QUESTION 4

An audit report indicates multiple suspicious attempts to access company resources were made. These attempts were not detected by the company. Which of the following would be the best solution to implement on the company's network?

- A. Intrusion prevention system
- B. Proxy server
- C. Jump server
- D. Security zones

Correct Answer: A

To address the issue of suspicious attempts to access company resources that were not detected, the best solution to implement on the company's network would be an Intrusion Prevention System (IPS).

An Intrusion Prevention System (IPS) is a security device or software application that monitors network traffic for malicious activity and can automatically take action to block or prevent potential threats. It goes beyond intrusion detection by actively analyzing network traffic in real-time and can actively respond to identified threats.

With an IPS in place, the system can detect and block suspicious activities, such as unauthorized attempts to access company resources, before they can cause harm. It provides an additional layer of security to the network and can help to mitigate various cyber threats.

QUESTION 5

A company's Chief Information Security Officer (CISO) recently warned the security manager that the company's Chief Executive Officer (CEO) is planning to publish a controversial opinion article in a national newspaper, which may result in new cyberattacks. Which of the following would be BEST for the security manager to use in a threat mode?

- A. Hacktivists
- B. White-hat hackers
- C. Script kiddies
- D. Insider threats

Correct Answer: A

First the executive is in a pretty high position to be a threat at all. Because an insider threat for me is someone with intention to harm the company. Second, by uploading an controversial article isn't going to harm the company directly.