

CompTIA Advanced Security Practitioner CAS-002

CompTIA Advanced Security Practitioner (CASP) Exam

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Question: 1

Which of the following would be used in forensic analysis of a compromised Linux system? (Select THREE).

- A. Check log files for logins from unauthorized IPs.
- B. Check /proc/kmem for fragmented memory segments.
- C. Check for unencrypted passwords in /etc/shadow.
- D. Check timestamps for files modified around time of compromise.
- E. Use lsof to determine files with future timestamps.
- F. Use gpg to encrypt compromised data files.
- G. Verify the MD5 checksum of system binaries.
- H. Use vmstat to look for excessive disk I/O.

Answer: A,D,G

Question: 2

The Chief Executive Officer (CEO) of an Internet service provider (ISP) has decided to limit the company's contribution to worldwide Distributed Denial of Service (DDoS) attacks. Which of the following should the ISP implement? (Select TWO).

- A. Block traffic from the ISP's networks destined for blacklisted IPs.
- B. Prevent the ISP's customers from querying DNS servers other than those hosted by the ISP.
- C. Scan the ISP's customer networks using an up-to-date vulnerability scanner.
- D. Notify customers when services they run are involved in an attack.
- E. Block traffic with an IP source not allocated to customers from exiting the ISP's network.

Answer: D,E

Question: 3

A security administrator wants to prevent sensitive data residing on corporate laptops and desktops from leaking outside of the corporate network. The company has already implemented full-disk encryption and has disabled all peripheral devices on its desktops and laptops. Which of the following additional controls MUST be implemented to minimize the risk of data leakage? (Select TWO).

- A. A full-system backup should be implemented to a third-party provider with strong encryption for data in transit.
- B. A DLP gateway should be installed at the company border.
- C. Strong authentication should be implemented via external biometric devices.
- D. Full-tunnel VPN should be required for all network communication.
- E. Full-drive file hashing should be implemented with hashes stored on separate storage.

F. Split-tunnel VPN should be enforced when transferring sensitive data.

Answer: B,D

Question: 4

A small company's Chief Executive Officer (CEO) has asked its Chief Security Officer (CSO) to improve the company's security posture quickly with regard to targeted attacks. Which of the following should the CSO conduct FIRST?

- A. Survey threat feeds from services inside the same industry.
- B. Purchase multiple threat feeds to ensure diversity and implement blocks for malicious traffic.
- C. Conduct an internal audit against industry best practices to perform a qualitative analysis.
- D. Deploy a UTM solution that receives frequent updates from a trusted industry vendor.

Answer: A

Question: 5

After a security incident, an administrator would like to implement policies that would help reduce fraud and the potential for collusion between employees. Which of the following would help meet these goals by having co-workers occasionally audit another worker's position?

- A. Least privilege
- B. Job rotation
- C. Mandatory vacation
- D. Separation of duties

Answer: B

Question: 6

An organization uses IP address block 203.0.113.0/24 on its internal network. At the border router, the network administrator sets up rules to deny packets with a source address in this subnet from entering the network, and to deny packets with a destination address in this subnet from leaving the network. Which of the following is the administrator attempting to prevent?

- A. BGP route hijacking attacks
- B. Bogon IP network traffic
- C. IP spoofing attacks
- D. Man-in-the-middle attacks
- E. Amplified DDoS attacks

Answer: C

Question: 7

A security manager for a service provider has approved two vendors for connections to the service provider backbone. One vendor will be providing authentication services for its payment card service, and the other vendor will be providing maintenance to the service provider infrastructure sites. Which of the following business agreements is MOST relevant to the vendors and service provider's relationship?

- A. Memorandum of Agreement
- B. Interconnection Security Agreement
- C. Non-Disclosure Agreement
- D. Operating Level Agreement

Answer: B

Question: 8

A security auditor suspects two employees of having devised a scheme to steal money from the company. While one employee submits purchase orders for personal items, the other employee approves these purchase orders. The auditor has contacted the human resources director with suggestions on how to detect such illegal activities. Which of the following should the human resource director implement to identify the employees involved in these activities and reduce the risk of this activity occurring in the future?

- A. Background checks
- B. Job rotation
- C. Least privilege
- D. Employee termination procedures

Answer: B

Question: 9

Which of the following technologies prevents an unauthorized HBA from viewing iSCSI target information?

- A. Deduplication
- B. Data snapshots
- C. LUN masking
- D. Storage multipaths

Answer: C

Question: 10

A pentester must attempt to crack passwords on a windows domain that enforces strong complex passwords. Which of the following would crack the MOST passwords in the shortest time period?

- A. Online password testing
- B. Rainbow tables attack
- C. Dictionary attack
- D. Brute force attack

Answer: B

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