

CertNexus

Exam Questions CFR-410

CyberSec First Responder (CFR) Exam



NEW QUESTION 1

A network security analyst has noticed a flood of Simple Mail Transfer Protocol (SMTP) traffic to internal clients. SMTP traffic should only be allowed to email servers. Which of the following commands would stop this attack? (Choose two.)

- A. iptables -A INPUT -p tcp --dport 25 -d x.x.x.x -j ACCEPT
- B. iptables -A INPUT -p tcp --sport 25 -d x.x.x.x -j ACCEPT
- C. iptables -A INPUT -p tcp --dport 25 -j DROP
- D. iptables -A INPUT -p tcp --destination-port 21 -j DROP
- E. iptables -A FORWARD -p tcp --dport 6881:6889 -j DROP

Answer: AC

NEW QUESTION 2

Detailed step-by-step instructions to follow during a security incident are considered:

- A. Policies
- B. Guidelines
- C. Procedures
- D. Standards

Answer: C

NEW QUESTION 3

A security administrator needs to review events from different systems located worldwide. Which of the following is MOST important to ensure that logs can be effectively correlated?

- A. Logs should be synchronized to their local time zone.
- B. Logs should be synchronized to a common, predefined time source.
- C. Logs should contain the username of the user performing the action.
- D. Logs should include the physical location of the action performed.

Answer: A

NEW QUESTION 4

During which of the following attack phases might a request sent to port 1433 over a whole company network be seen within a log?

- A. Reconnaissance
- B. Scanning
- C. Gaining access
- D. Persistence

Answer: B

NEW QUESTION 5

Tcpdump is a tool that can be used to detect which of the following indicators of compromise?

- A. Unusual network traffic
- B. Unknown open ports
- C. Poor network performance
- D. Unknown use of protocols

Answer: A

NEW QUESTION 6

Which of the following is an automated password cracking technique that uses a combination of uppercase and lowercase letters, 0-9 numbers, and special characters?

- A. Dictionary attack
- B. Password guessing
- C. Brute force attack
- D. Rainbow tables

Answer: C

NEW QUESTION 7

During the forensic analysis of a compromised computer image, the investigator found that critical files are missing, caches have been cleared, and the history and event log files are empty. According to this scenario, which of the following techniques is the suspect using?

- A. System hardening techniques
- B. System optimization techniques
- C. Defragmentation techniques
- D. Anti-forensic techniques

Answer: D

NEW QUESTION 8

Recently, a cybersecurity research lab discovered that there is a hacking group focused on hacking into the computers of financial executives in Company A to sell the exfiltrated information to Company B. Which of the following threat motives does this MOST likely represent?

- A. Desire for power
- B. Association/affiliation
- C. Reputation/recognition
- D. Desire for financial gain

Answer: D

NEW QUESTION 9

Which of the following is a cybersecurity solution for insider threats to strengthen information protection?

- A. Web proxy
- B. Data loss prevention (DLP)
- C. Anti-malware
- D. Intrusion detection system (IDS)

Answer: B

NEW QUESTION 10

An incident handler is assigned to initiate an incident response for a complex network that has been affected by malware. Which of the following actions should be taken FIRST?

- A. Make an incident response plan.
- B. Prepare incident response tools.
- C. Isolate devices from the network.
- D. Capture network traffic for analysis.

Answer: D

NEW QUESTION 10

A network administrator has determined that network performance has degraded due to excessive use of social media and Internet streaming services. Which of the following would be effective for limiting access to these types of services, without completely restricting access to a site?

- A. Whitelisting
- B. Web content filtering
- C. Network segmentation
- D. Blacklisting

Answer: B

NEW QUESTION 11

A security engineer is setting up security information and event management (SIEM). Which of the following log sources should the engineer include that will contain indicators of a possible web server compromise? (Choose two.)

- A. NetFlow logs
- B. Web server logs
- C. Domain controller logs
- D. Proxy logs
- E. FTP logs

Answer: BC

NEW QUESTION 13

After imaging a disk as part of an investigation, a forensics analyst wants to hash the image using a tool that supports piecewise hashing. Which of the following tools should the analyst use?

- A. md5sum
- B. sha256sum
- C. md5deep
- D. hashdeep

Answer: A

NEW QUESTION 18

To minimize vulnerability, which steps should an organization take before deploying a new Internet of Things (IoT) device? (Choose two.)

- A. Changing the default password
- B. Updating the device firmware
- C. Setting up new users
- D. Disabling IPv6
- E. Enabling the firewall

Answer:

BE

NEW QUESTION 19

Which common source of vulnerability should be addressed to BEST mitigate against URL redirection attacks?

- A. Application
- B. Users
- C. Network infrastructure
- D. Configuration files

Answer: A

NEW QUESTION 22

Which of the following types of attackers would be MOST likely to use multiple zero-day exploits executed against high-value, well-defended targets for the purposes of espionage and sabotage?

- A. Cybercriminals
- B. Hacktivists
- C. State-sponsored hackers
- D. Cyberterrorist

Answer: C

NEW QUESTION 27

Which of the following characteristics of a web proxy strengthens cybersecurity? (Choose two.)

- A. Increases browsing speed
- B. Filters unwanted content
- C. Limits direct connection to Internet
- D. Caches frequently-visited websites
- E. Decreases wide area network (WAN) traffic

Answer: AD

NEW QUESTION 30

In which of the following attack phases would an attacker use Shodan?

- A. Scanning
- B. Reconnaissance
- C. Gaining access
- D. Persistence

Answer: A

NEW QUESTION 35

An organization recently suffered a data breach involving a server that had Transmission Control Protocol (TCP) port 1433 inadvertently exposed to the Internet. Which of the following services was vulnerable?

- A. Internet Message Access Protocol (IMAP)
- B. Network Basic Input/Output System (NetBIOS)
- C. Database
- D. Network Time Protocol (NTP)

Answer: C

NEW QUESTION 39

If a hacker is attempting to alter or delete system audit logs, in which of the following attack phases is the hacker involved?

- A. Covering tracks
- B. Expanding access
- C. Gaining persistence
- D. Performing reconnaissance

Answer: A

NEW QUESTION 44

Which of the following are legally compliant forensics applications that will detect an alternative data stream (ADS) or a file with an incorrect file extension? (Choose two.)

- A. Disk duplicator
- B. EnCase
- C. dd
- D. Forensic Toolkit (FTK)
- E. Write blocker

Answer:

BD

NEW QUESTION 45

Which of the following data sources could provide indication of a system compromise involving the exfiltration of data to an unauthorized destination?

- A. IPS logs
- B. DNS logs
- C. SQL logs
- D. SSL logs

Answer: A**NEW QUESTION 49**

A system administrator identifies unusual network traffic from outside the local network. Which of the following is the BEST method for mitigating the threat?

- A. Malware scanning
- B. Port blocking
- C. Packet capturing
- D. Content filtering

Answer: C**NEW QUESTION 54**

An incident response team is concerned with verifying the integrity of security information and event management (SIEM) events after being written to disk. Which of the following represents the BEST option for addressing this concern?

- A. Time synchronization
- B. Log hashing
- C. Source validation
- D. Field name consistency

Answer: A**NEW QUESTION 57**

According to Payment Card Industry Data Security Standard (PCI DSS) compliance requirements, an organization must retain logs for what length of time?

- A. 3 months
- B. 6 months
- C. 1 year
- D. 5 years

Answer: C**NEW QUESTION 58**

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