

Digital-Forensics-in-Cybersecurity Exams Training & Exam Digital-Forensics-in-Cybersecurity Blueprint



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In traditional views, the Digital-Forensics-in-Cybersecurity practice materials need you to spare a large amount of time on them to accumulate the useful knowledge may appearing in the real Digital-Forensics-in-Cybersecurity exam. However, our Digital-Forensics-in-Cybersecurity learning questions are not doing that way. According to data from former exam candidates, the passing rate of our Digital-Forensics-in-Cybersecurity learning material has up to 98 to 100 percent. There are adequate content to help you pass the exam with least time and money.

WGU Digital Forensics in Cybersecurity (D431/C840) Course Exam Sample Questions (Q58-Q63):

NEW QUESTION # 58

The chief information officer of an accounting firm believes sensitive data is being exposed on the local network. Which tool should the IT staff use to gather digital evidence about this security vulnerability?

- A. Sniffer
- B. Firewall
- C. Antivirus
- D. Packet filter

Answer: A

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

A sniffer, also known as a packet analyzer, captures network traffic in real time and allows IT staff to monitor and analyze data packets passing through the network. This is crucial when investigating potential data leaks or network vulnerabilities. Using a sniffer helps identify unauthorized transmissions of sensitive data and trace suspicious activity at the packet level.

* Sniffers collect raw network data which can be analyzed for patterns or anomalies.

* According to NIST guidelines on network forensics, packet capture tools (sniffers) are essential in gathering digital evidence related to network security incidents.

Reference:NIST Special Publication 800-86 (Guide to Integrating Forensic Techniques into Incident Response) highlights the importance of sniffers in network-based investigations.

NEW QUESTION # 59

How do forensic specialists show that digital evidence was handled in a protected, secure manner during the process of collecting and analyzing the evidence?

- A. By encrypting all evidence
- **B. By maintaining the chain of custody**
- C. By performing backups
- D. By deleting temporary files

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The chain of custody is a documented, chronological record detailing the seizure, custody, control, transfer, analysis, and disposition of evidence. Maintaining this record proves that the evidence was protected and unaltered, which is essential for court admissibility.

* Each transfer or access must be logged with date, time, and handler.

* Breaks in the chain can compromise the legal validity of evidence.

Reference:According to NIST and forensic best practices, the chain of custody documentation is mandatory for reliable evidence handling.

NEW QUESTION # 60

Which file stores local Windows passwords in the Windows\System32\ directory and is subject to being cracked by using a live CD?

- A. Ntldr
- **B. SAM**
- C. IPsec
- D. HAL

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The SAM (Security Account Manager) file located in the Windows\System32\config directory stores hashed local user account passwords. It can be accessed and extracted using a live CD or bootable forensic tool, which allows the forensic investigator to bypass the running operating system and avoid altering the evidence.

* IPsec is related to network security policies, not password storage.

* HAL (Hardware Abstraction Layer) is a system file managing hardware interaction.

* Ntldr is a boot loader file in Windows NT systems.

Cracking password hashes extracted from the SAM file is a common forensic practice to recover user passwords during investigations.

Reference:NIST Special Publication 800-86 and Windows forensic textbooks confirm that the SAM file is the repository of local password hashes accessible via forensic live CDs or imaging.

NEW QUESTION # 61

Which tool should be used with sound files, video files, and image files?

- **A. StegVideo**

- B. Stealth Files 4
- C. Snow
- D. MP3Stego

Answer: A

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

StegVideo is a steganographic tool designed to embed hidden messages within multimedia files such as sound, video, and image files, making it suitable for multi-media steganography.

* Snow is mainly used for text-based steganography.

* MP3Stego is specialized for MP3 audio files only.

* Stealth Files 4 is a general steganography tool but less commonly referenced for multimedia.

Forensic and academic sources identify StegVideo as a tool for multimedia steganography, useful in complex digital investigations.

NEW QUESTION # 62

Thomas received an email stating he needed to follow a link and verify his bank account information to ensure it was secure. Shortly after following the instructions, Thomas noticed money was missing from his account.

Which digital evidence should be considered to determine how Thomas' account information was compromised?

- A. Browser cache
- B. Firewall logs
- **C. Email messages**
- D. Bank transaction logs

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The email messages, including headers and content, contain information about the phishing attempt, such as sender details and embedded links. Analyzing these messages can help trace the source of the scam and determine the method used to deceive the victim.

* Email headers provide metadata for tracking the origin.

* Forensic examination of emails is fundamental in investigating social engineering and phishing attacks.

Reference:NIST SP 800-101 and forensic email analysis protocols recommend thorough email message examination in phishing investigations.

NEW QUESTION # 63

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