

# Free PDF Quiz 2025 WGU Digital-Forensics-in-Cybersecurity: Digital Forensics in Cybersecurity (D431/C840) Course Exam–Professional Certified Questions

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**WGU D431 OA DIGITAL FORENSICS IN  
CYBERSECURITY DIAGRAM 2025  
ACTUAL EXAM COMPLETE EXAM  
QUESTIONS WITH DETAILED  
VERIFIED ANSWERS (100% CORRECT  
ANSWERS) /ALREADY GRADED A+**

a proprietary format that is defined by Guidance Software for use in its tool to store hard drive images and individual files. It includes a hash of the file to ensure nothing was changed when it was copied from the source - ....ANSWER...[Encase](#)

A digital forensics investigation suite by AccessData that runs on Windows Server or server clusters for faster searching and analysis due to data indexing when importing evidence - ....ANSWER...[Forensic Toolkit \(FTK\)](#)

Library and collection of command-line tools allowing investigation of volume and file system

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### WGU Digital Forensics in Cybersecurity (D431/C840) Course Exam Sample Questions (Q23-Q28):

#### NEW QUESTION # 23

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

**Answer: D**

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 # 24

An employee sends an email message to a fellow employee. The message is sent through the company's messaging server. Which protocol is used to send the email message?

- A. IMAP
- **B. SMTP**
- C. SNMP
- D. POP3

**Answer: B**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

SMTP (Simple Mail Transfer Protocol) is the protocol used to send email messages from a client to a mail server or between mail servers. It handles the transmission of outgoing mail. IMAP and POP3 are protocols used for retrieving email, not sending it. SNMP is used for network management.

\* IMAP and POP3 are for receiving emails.

\* SNMP is unrelated to email delivery.

This is documented in RFC 5321 and supported by all standard email system operations, including forensic analyses.

#### NEW QUESTION # 25

The chief executive officer (CEO) of a small computer company has identified a potential hacking attack from an outside competitor. Which type of evidence should a forensics investigator use to identify the source of the hack?

- A. Email archives
- B. Browser history
- **C. Network transaction logs**

- D. File system metadata

**Answer: C**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Network transaction logs capture records of network connections, including source and destination IP addresses, ports, and timestamps. These logs are essential in identifying the attacker's origin and understanding the nature of the intrusion.

\* Network logs provide traceability back to the attacker.

\* Forensic procedures prioritize collecting network logs to identify unauthorized access.

Reference: NIST SP 800-86 discusses the importance of network logs in digital investigations to attribute cyberattacks.

### NEW QUESTION # 26

A forensic investigator needs to know which file type to look for in order to find emails from a specific client.

Which file extension is used by Eudora?

- A. .dbx
- B. .pst
- C. .ost
- D. .mbx

**Answer: D**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Eudora email client uses the .mbx file extension to store email messages. The .mbx format stores emails in a mailbox file similar to the standard mbox format used by other email clients.

\* .dbx is used by Microsoft Outlook Express.

\* .ost and .pst are file types used by Microsoft Outlook.

\* Therefore, .mbx is specific to Eudora.

Reference: Digital forensics literature and software documentation clearly indicate Eudora's .mbx file format as the repository for its email storage.

### NEW QUESTION # 27

What is a reason to use steganography?

- A. To save secret data
- B. To delete secret data
- C. To erase secret data
- D. To highlight secret data

**Answer: A**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Steganography is used to save or embed secret data within another file or medium, allowing covert communication without alerting observers to the presence of the data.

\* The goal is to conceal, not highlight or delete data.

\* It does not erase or delete secret data; instead, it hides it.

This aligns with standard definitions in cybersecurity and forensic literature including NIST's cybersecurity frameworks.

### NEW QUESTION # 28

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