

Quiz Digital-Forensics-in-Cybersecurity - Digital Forensics in Cybersecurity (D431/C840) Course Exam Perfect New Test Syllabus

WGU Course C840 - Digital Forensics in Cybersecurity Exam Study Guide |100% Correct Answers| LATEST!!!

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 Disk analyzer
- C Tracer
- D Virus scanner *Ans*  A

A police detective investigating a threat traces the source to a house. The couple at the house shows the detective the only computer the family owns, which is in their son's bedroom. The couple states that their son is presently in class at a local middle school.

How should the detective legally gain access to the computer?

- A Obtain a search warrant from the police
- B Seize the computer under the USA Patriot Act
- C Obtain consent to search from the parents
- D Seize the computer under the Computer Security Act *Ans*  C

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WGU Digital-Forensics-in-Cybersecurity Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Domain Incident Reporting and Communication: This domain measures the skills of Cybersecurity Analysts and focuses on writing incident reports that present findings from a forensic investigation. It includes documenting evidence, summarizing conclusions, and communicating outcomes to organizational stakeholders in a clear and structured way.

Topic 2	<ul style="list-style-type: none"> • Domain Evidence Analysis with Forensic Tools: This domain measures skills of Cybersecurity technicians and focuses on analyzing collected evidence using standard forensic tools. It includes reviewing disks, file systems, logs, and system data while following approved investigation processes that ensure accuracy and integrity.
Topic 3	<ul style="list-style-type: none"> • Domain Digital Forensics in Cybersecurity: This domain measures the skills of Cybersecurity technicians and focuses on the core purpose of digital forensics in a security environment. It covers the techniques used to investigate cyber incidents, examine digital evidence, and understand how findings support legal and organizational actions.
Topic 4	<ul style="list-style-type: none"> • Domain Recovery of Deleted Files and Artifacts: This domain measures the skills of Digital Forensics Technicians and focuses on collecting evidence from deleted files, hidden data, and system artifacts. It includes identifying relevant remnants, restoring accessible information, and understanding where digital traces are stored within different systems.
Topic 5	<ul style="list-style-type: none"> • Domain Legal and Procedural Requirements in Digital Forensics: This domain measures the skills of Digital Forensics Technicians and focuses on laws, rules, and standards that guide forensic work. It includes identifying regulatory requirements, organizational procedures, and accepted best practices that ensure an investigation is defensible and properly executed.

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Exam WGU Digital-Forensics-in-Cybersecurity Reference - Digital-Forensics-in-Cybersecurity Answers Free

We learned that a majority of the candidates for the Digital-Forensics-in-Cybersecurity exam are office workers or students who are occupied with a lot of things, and do not have plenty of time to prepare for the Digital-Forensics-in-Cybersecurity exam. Taking this into consideration, we have tried to improve the quality of our Digital-Forensics-in-Cybersecurity training materials for all our worth. Now, I am proud to tell you that our Digital-Forensics-in-Cybersecurity Training Materials are definitely the best choice for those who have been yearning for success but without enough time to put into it. There are only key points in our Digital-Forensics-in-Cybersecurity training materials.

WGU Digital Forensics in Cybersecurity (D431/C840) Course Exam Sample Questions (Q19-Q24):

NEW QUESTION # 19

The chief information security officer of a company believes that an attacker has infiltrated the company's network and is using steganography to communicate with external sources. A security team is investigating the incident. They are told to start by focusing on the core elements of steganography.

What are the core elements of steganography?

- A. File, metadata, header
- B. Encryption, decryption, key
- C. Hash, nonce, salt
- D. Payload, carrier, channel

Answer: D

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The core elements of steganography include:

- * Payload: the hidden data or message,
- * Carrier: the medium (e.g., image, audio file) containing the payload,
- * Channel: the method or path used to deliver the carrier with the payload embedded.
- * Understanding these elements helps investigators detect and analyze steganographic content.

Reference:NIST SP 800-101 and steganography research identify these core components as fundamental to steganographic communication.

NEW QUESTION # 20

Tom saved a message using the least significant bit (LSB) method in a sound file and uploaded this sound to his own website. What is the carrier in this example?

- A. The least significant bit method
- B. Tom's website
- **C. The sound file**
- D. The message

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

In steganography, the carrier is the file or medium used to hide the secret message. In this example, the sound file is the carrier because it contains the hidden message embedded using the least significant bit method. The message is the payload, and the website is merely the distribution platform.

- * LSB is the embedding technique, not the carrier.
- * The message is the payload, not the carrier.
- * The website is not involved in data hiding.

NIST and steganography references clearly define the carrier as the container holding the hidden data.

NEW QUESTION # 21

Which storage format is a magnetic drive?

- A. SSD
- B. CD-ROM
- **C. SATA**
- D. Blu-ray

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

SATA (Serial ATA) refers to an interface standard commonly used for connecting magnetic hard disk drives (HDDs) and solid-state drives (SSDs) to a computer. The term SATA itself describes the connection, but most HDDs that use SATA as an interface are magnetic drives.

- * CD-ROM and Blu-ray are optical storage media, not magnetic.
- * SSD (Solid State Drive) uses flash memory, not magnetic storage.
- * Magnetic drives rely on spinning magnetic platters, which are typically connected via SATA or other interfaces.

This differentiation is emphasized in digital forensic training and hardware documentation, including those from NIST and forensic hardware textbooks.

NEW QUESTION # 22

Which tool can be used to make a bit-by-bit copy of a Windows Phone 8?

- A. Wolf
- **B. Forensic Toolkit (FTK)**
- C. Pwnage
- D. Data Doctor

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Forensic Toolkit (FTK) is a comprehensive forensic suite capable of acquiring bit-by-bit images from various devices, including Windows Phone 8, by supporting physical and logical extractions. FTK is widely accepted and used for mobile device forensic imaging.

- * Data Doctor is primarily a data recovery tool, not specialized for mobile forensic imaging.

* Pwnage is related to jailbreaking iOS devices.

* Wolf is not a recognized forensic imaging tool for Windows Phone 8.

NIST mobile device forensic standards cite FTK as a preferred tool for mobile device imaging.

NEW QUESTION # 23

Which law requires both parties to consent to the recording of a conversation?

- A. Stored Communications Act
- B. Wiretap Act
- C. Health Insurance Portability and Accountability Act (HIPAA)
- D. **Electronic Communications Privacy Act (ECPA)**

Answer: D

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The Electronic Communications Privacy Act (ECPA) regulates interception and recording of electronic communications and generally requires the consent of both parties involved in a conversation for legal recordings.

* This consent requirement protects privacy rights during investigations.

* Non-compliance can lead to evidence being inadmissible or legal penalties.

Reference: ECPA provisions are detailed in legal frameworks governing digital privacy and forensics.

NEW QUESTION # 24

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