Computer Hacking Forensic Investigator Certification

About the Exam

The CHFI certification is awarded after successfully passing the exam EC0 312-49.
CHFI EC0 312-49 exams are available at ECC exam centre around the world.

CHFI Exam Details

- Number of Questions: **150**
- Test Duration: **4 hours**
- Test Format: **Multiple choice**
- Test Delivery: **ECC exam portal**

CHFI Course Outline

- Computer Forensics in Today's World
- Computer Forensics Investigation Process
- Understanding Hard Disks and File Systems
- Operating System Forensics
- Defeating Anti-Forensics Techniques
- Data Acquisition and Duplication
- Network Forensics
- Investigating Web Attacks
- Database Forensics
- Cloud Forensics
- Malware Forensics
- Investigating Email Crimes
- Mobile Forensics
- Investigative Reports

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A CHFI certified professional will be able to:

- Perform incident response and forensics
- Perform electronic evidence collections
- Perform digital forensic acquisitions
- Perform bit-stream Imaging/acquiring of the digital media seized during the process of investigation.
- Examine and analyze text, graphics, multimedia, and digital images
- Conduct thorough examinations of computer hard disk drives, and other electronic data storage media
- Recover information and electronic data from computer hard drives and other data storage devices
- Follow strict data and evidence handling procedures
- Maintain audit trail (i.e., chain of custody) and evidence integrity
- Work on technical examination, analysis and reporting of computer-based evidence
- Prepare and maintain case files
- Utilize forensic tools and investigative methods to find electronic data, including Internet use history, word processing documents, images and other files
- Gather volatile and non-volatile information from Windows, MAC and Linux
- Recover deleted files and partitions in Windows, Mac OS X, and Linux
- Perform keyword searches including using target words or phrases
- Investigate events for evidence of insider threats or attacks
- Support the generation of incident reports and other collateral
- Investigate and analyze all response activities related to cyber incidents
- Plan, coordinate and direct recovery activities and incident analysis tasks
- Examine all available information and supporting evidence or artefacts related to an incident or event
- Collect data using forensic technology methods in accordance with evidence handling procedures, including collection of hard copy and electronic documents
- Conduct reverse engineering for known and suspected malware files
- Perform detailed evaluation of the data and any evidence of activity in order to analyze the full circumstances and implications of the event
- Identify data, images and/or activity which may be the target of an internal investigation
- Establish threat intelligence and key learning points to support pro-active profiling and scenario modelling
- Search file slack space where PC type technologies are employed
- File MAC times (Modified, Accessed, and Create dates and times) as evidence of access and event sequences
- Examine file type and file header information
- Review e-mail communications including web mail and Internet Instant Messaging programs
- Examine the Internet browsing history
- Generate reports which detail the approach, and an audit trail which documents actions taken to support the integrity of the internal investigation process
- Recover active, system and hidden files with date/time stamp information