

CLFE CERTIFIED IMPLEMENTATION & MANAGEMENT OF COMPUTER FORENSICS PROCESSES (DIGITAL FORENSICS EXAMINER)

“Equipping Professionals with Practical Skills to Investigate, Analyze, and Manage Digital Evidence”

Schedule

Date	Venue	Fees (Face-to-Face)
20 - 24 Jul 2026	Dubai, UAE	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

As cybercrime continues to rise in frequency and sophistication, organizations must be able to detect, preserve, analyze, and present digital evidence effectively. Digital forensics is a critical component in responding to data breaches, fraud, insider threats, and legal investigations.

This 5-day CLFE-certified training course is designed to equip IT professionals, investigators, and auditors with the technical skills and frameworks required to carry out digital forensics examinations. Participants will explore forensic imaging, file recovery, evidence handling, and legal procedures using industry-standard tools and real-world simulations.

Objectives

By the end of this course, participants will be able to:

- Understand the principles and legal standards of digital forensics
- Perform proper acquisition, preservation, and analysis of digital evidence
- Use forensic tools for imaging, recovery, and timeline reconstruction
- Prepare detailed forensic reports suitable for legal proceedings
- Apply chain of custody and evidence integrity protocols

Why Attend

- Gain globally recognized CLFE certification in digital forensics
- Learn practical methods for handling and investigating electronic evidence
- Understand legal and regulatory considerations for forensic processes
- Enhance your role in cybersecurity, audit, or internal investigations
- Access hands-on labs and tool-based simulations

Target Audience

This program is designed for:

- IT security officers and forensic investigators
- Cybersecurity and incident response teams
- Internal auditors and compliance professionals
- Law enforcement and legal consultants
- Information assurance and risk management professionals

Individual Benefits

Key competencies that will be developed include:

- Execution of forensic investigation methodologies
- Evidence acquisition, analysis, and chain-of-custody control
- Use of tools like FTK, Autopsy, EnCase, and Kali Linux
- Reporting, documentation, and legal presentation of findings
- Awareness of cybercrime trends and investigative techniques

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Enhanced incident response and investigation capabilities
- Improved internal control over digital assets and evidence
- Support for compliance with cyber laws and data protection standards
- Minimized legal risk through defensible forensic processes
- Stronger collaboration between technical, legal, and compliance teams

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Framework Tutorials - Digital forensics lifecycle and investigative models
- Tool-Based Labs - Hands-on use of industry software for analysis
- Simulated Investigations - End-to-end case study exercises
- Group Activities - Chain of custody, evidence tagging, report building
- CLFE Practice Tests - Exam preparation and knowledge checks

Course Outline

Training Hours: 7:30 AM - 3:30 PM Daily Format: 3-4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 - 02:00

Day 1: Introduction to Digital Forensics and Legal Foundations

- Module 1: Fundamentals of Digital Forensics (07:30 - 09:30) • Terminology, concepts, and investigation lifecycle
- Module 2: Legal and Regulatory Aspects (09:45 - 11:15) • Admissibility of evidence, privacy laws, GDPR, cybercrime acts
- Module 3: Forensics Roles and Responsibilities (11:30 - 01:00) • Examiner tasks, evidence control, internal coordination
- Module 4: Exercise - Review of a Legal Case File (02:00 - 03:30) • Evidence gaps, missteps, and admissibility errors

Day 2: Evidence Acquisition and Chain of Custody

- Module 5: Hardware and Software Considerations (07:30 - 09:30) • Disks, devices, networks, encryption, virtual environments
- Module 6: Imaging and Data Capture Techniques (09:45 - 11:15) • Write blockers, bit-stream imaging, live vs static capture
- Module 7: Chain of Custody and Documentation (11:30 - 01:00) • Forms, logs, tags, and secure storage
- Module 8: Workshop - Create an Evidence Handling Log (02:00 - 03:30) • Documenting acquisition of multiple digital assets

Day 3: Forensic Tools and Data Recovery

- Module 9: Using Forensics Software (07:30 - 09:30) • FTK, EnCase, Autopsy, Sleuth Kit, Volatility
- Module 10: File Systems and Metadata Analysis (09:45 - 11:15) • NTFS, FAT, EXT, timestamps, user activity
- Module 11: Recovery of Deleted or Hidden Files (11:30 - 01:00) • Slack space, swap files, encrypted volumes
- Module 12: Lab - Analyze a Cloned Image (02:00 - 03:30) • File carving and keyword search

Day 4: Reporting and Forensic Case Building

- Module 13: Timeline Reconstruction and Correlation (07:30 - 09:30) • Event logs, internet history, login activity
- Module 14: Network and Email Forensics (09:45 - 11:15) • Logs, headers, attachments, phishing traces
- Module 15: Writing a Forensics Report (11:30 - 01:00) • Structure, format, integrity, and clarity
- Module 16: Workshop - Draft a Full Case Report (02:00 - 03:30) • Group review and peer feedback

Day 5: Final Simulation and Certification Exam

- Module 17: Live Incident Response Simulation (07:30 - 09:30) • Identify, acquire, and analyze mock evidence
- Module 18: Exam Preparation Review (09:45 - 11:15) • Key concepts, sample questions, strategy
- Module 19: CLFE Certification Exam (11:30 - 01:00) • Proctored final exam session
- Module 20: Debrief and Feedback (02:00 - 03:30) • Review and next steps for certification path

Certification

Participants will receive the CLFE Certified Digital Forensics Examiner Certificate, validating their ability to implement and manage digital forensic processes, conduct investigations, and produce legally defensible forensic reports in compliance with global standards.

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