Cellebrite Mobile Forensics Fundamentals (CMFF)

Global forensic training

Level
Entry

Length
One day (7 hours)

Training Track
Investigators, Technicians, CSI Staff, Forensics

Delivery mode
Instructor Led Training or Web-Based Training

Course description

The Cellebrite Mobile Forensics Fundamentals (CMFF) course is a 1-day entry level program designed for investigators to identify mobile device hardware and understand the general the forensic process. Students will learn how the four phases of the forensics process are related and demonstrate how to handle devices following best practices. Students will also conduct basic analysis of extracted device data and generate reports using UFED Reader software.

This is the starting point for first responders, investigators and CSI staff tasked with identifying and seizing mobile devices for data acquisition, it does not include conducting extractions. The CMFF course (or test out) is the first requirement to qualify for the Cellebrite Certified Mobile Examiner (CCME) certification exam. Students achieve the CMFF certificate of completion upon passing an examination with a score of 80% or better. The CMFF course (or test out) is the first requirement to qualify for the Cellebrite Certified Mobile Examiner (CCME) certification exam.

Course objectives

Upon successful completion of this course, the student will be able to:

- Recognize the legal responsibility in using Cellebrite products
- Identify mobile device hardware based on physical characteristics using various methods
- Recognize and describe the four phases of the forensics process
- Apply best practices when seizing devices to a mock scenario
- Conduct basic analysis and searches of extracted device data using UFED Reader software
- Create basic reports using UFED Reader software

Module	Description and objectives
Introduction	• Course introduction and administration • Course materials • Instructor introductions • Participant introductions • Cellebrite overview
Mobile Device Technology Overview	• Identification of mobile device hardware and operating systems • Discussion of how mobile devices communicate • Discussion of how technology affects network capacity • Information on how devices and subscribers are identified on networks
Forensic Process Overview	• Description of the first responder's role • Description of the four phases of the digital forensics process • Identification of challenges when applying the process to mobile devices (Android and iOS locks) • Discussion of the data extraction approach
Seizure of Mobile Devices	• The importance of evidence handling and documentation • Identifying tools and equipment for seizing mobile devices as evidence • Applying proper procedures for seizing mobile devices in a manner that preserves evidence integrity • How to sterilize media to be used for storage of evidence
UFED Reader	• Description of UFED Reader capabilities • Understanding of what a UFDR file is • How to import a UFDR file into UFED Reader for analysis and reporting • How to bookmark and filter a UFDR Report • How to create reports from UFED Reader files
Examination	• An investigator's legal responsibility when using forensic hardware and software • Recognizing mobile device hardware • Identifying the four phases of the forensics process • How to apply best practices when seizing devices • Basics of dealing with extracted device data using UFED Reader

Successful class completion results in a certificate of completion and demonstration of mastery of these concepts is one of the prerequisites for students desiring to take the Cellebrite Certified Mobile Examiner (CCME) certification examination. Students considering the CCME Certification are also required to successfully complete the Cellebrite Certified Operator (CCO) course and the Cellebrite Certified Physical Analyst (CCPA) course.

Get skilled. Get certified.

Every day around the world, digital data is impacting investigations. Making it intelligent and actionable is what Cellebrite does best. The Cellebrite Academy reflects our commitment to digital forensics excellence; training forensics examiners, analysts, investigators and prosecutors around the world to achieve a higher standard of professional competency and success.

Learn more at cellebritelearningcenter.com

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Rev. CMFF 02-18 (EN)