Cellebrite Certified Operator (CCO)

Global forensic training

Level
Intermediate

Length
Two days (14 hours)

Training Track
Core Mobile Forensic, Investigator, and Analyst

Delivery mode
Instructor-Led, On Line On Demand

Course description

The Cellebrite Certified Operator (CCO) course is a two-day intermediate level certification program which builds on the concepts from the CMFF course and is designed for those participants who are tasked with extracting data in a forensically sound manner using Touch2 or 4PC.

This course is designed to teach data extraction team members such as technically savvy investigators, digital forensic examiners, IT staff, internal affairs investigators, first responders and personnel designated to handle extraction of digital evidence how to perform extractions on a variety of devices. These extractions include logical, file system and physical extractions from mobile devices as well SIM cards, and external storage such as SD cards.

Participants in this course will gain a basic understanding of how to open the extractions in Physical Analyzer software, conduct basic searches and how to create tags and reports. Students achieve the CCO certification upon passing a knowledge test and practical skills assessment with a score or 80% or better. The only way to earn this CCO certification is by taking the exam along with an associated course, there is no test out available.

The CCO is the first level of certification offered by Cellebrite and is essential for those who will handle and acquire data from mobile devices. As this class is designed to teach this audience, it does not include conducting in-depth analysis of the data. Whereas, the Cellebrite Mobile Forensics Fundamentals (CMFF) course was the first requirement, achievement of the CCO certification is also the second 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:

- Install and configure Touch, Touch2 or 4PC and UFED Physical Analyzer software.
- Explain the best practices for the on-scene identification, collection, packaging, transporting, examination and storage of digital evidence data and devices.
- Display best practice when conducting cell phone extractions.
- Identify functions used within Touch, Touch2 or 4PC to perform supported data extractions.
- Exhibit how to open extractions using UFED Physical Analyzer.
- Summarize how to conduct basic searches using UFED Physical Analyzer.
- Outline how to create reports using UFED Physical Analyzer.
- Demonstrate proficiency of the above learning objectives by passing a knowledge test and practical skills assessment with a score or 80% or better.

Module	Description and objectives
Introduction	• Describe Cellebrite's core training and certification process. • Recount Cellebrite's accolades and accomplishments. • Recognize the abilities of Cellebrite Platforms and digital forensic solutions. • Explain the legal responsibilities of practitioners using Cellebrite products, software, and services.
Forensic Handling of Mobile Devices	• Recognize legal considerations for seizing and searching devices. • Examine mobile device and internet of things (IoT) technologies of value in an investigation • Describe the phases of the digital forensics process. • Relate the correct procedures for identifying and handling digital evidence devices as first responders. • Employ the Cellebrite UFED Phone Detective software to identify mobile devices. • Identify various locking mechanisms found on mobile devices. • Explain best practices to document mobile device investigations.
UFED Touch2 and 4PC	• List the components, features, or functions for the Touch2 and 4PC • Describe how to purchase and maintain the license UFED technology. • Discuss how to update software and firmware for Touch2 and 4PC • Implement an installation of 4PC on a computer workstation. • Modify Touch2 and 4PC configurations for the extraction of different devices and investigative needs.
Cellebrite Extraction Methodology	• Compare and contrast 4PC Logical and Ultimate forensic solutions. • Discuss the methods frequently employed by forensic examiners to acquire data from mobile devices. • Identify best practices for the extraction of data from digital evidence devices. • Review and prepare the forensic sterilization of data storage media. • Explain the SIM file system organization. • Complete SIM card extractions and cloning using Touch2/4PC. • Perform installation of UFED products and review licensing options. • Apply forensic techniques to produce media storage extractions. • Operate the Touch2/4PC and UFED Physical Analyzer to conduct device extractions. • Demonstrate the removal of a passcode from a locked device using Touch2/4PC. • Describe the uses for UFED Camera Services.

Module	Description and objectives
Introduction to Analyzing User Data	• Explore basic navigation and options available within UFED Physical Analyzer configurations • Explain and operate UFED Physical Analyzer to examine data extractions. • Review the value and use of hash values for evidence authentication. • Define and examine information located in the UFED Physical Analyzer Project Tree. • Identify and describe the proficient use of UFED Physical Analyzer. • Apply search, filter and data evidence tagging techniques for digital forensic reporting.
Reporting on Technical Findings	• Explain the fundamental elements of a UFDR report produced by UFED Physical Analyzer. • Describe the reporting options within UFED Physical Analyzer interface. • Compose PDF and UFDR reports using digital evidence artifacts recovered during mock investigation(s).

Important notice: required materials for CCO online on demand

Online On-Demand classes are designed for students who already own or have access to currently licensed Cellebrite hardware and software, prior to starting the class. Students who do not already own or have access to currently licensed Cellebrite hardware and software are encouraged to take our Instructor-Led or Live Online classes.

Read more about the Required Hardware, Software, and Materials for our Online On-Demand classes at: cellebritelearningcenter.com

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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