

Cellebrite **TRAINING**

TRAINING'S INSEYETS PHYSICAL ANALYZER **ON-BOARDING**



About

Cellebrite Inseyets is the definitive digital forensics suite that includes all of our industry-leading capabilities for access, extraction, decoding, review, management, automation, and triage. It is a purpose-built, all-inclusive digital forensics suite powered by the advanced extraction of Premium combined with the next generation of UFED. Also included are the capabilities of PA (including Reader), Cloud and Commander, and our new lab automation application, Cellebrite Autonomy.

Spread over two days, the Cellebrite Training Inseyets Onboarding Course is designed to quickly and effectively empower users to gain immediate practical utility from the tool.

- **Day 1** is focused on extracting Android and iOS devices through Cellebrite Inseyets and deploying the traditional functions of UFED, such as SIM and memory card extraction.
- **Day 2** is focused on analyzing data through Physical Analyzer 10, with a focus on highlighting users to the new powerful features integrated since the legacy versions.

Cellebrite strongly encourages both old and new customers to take the Cellebrite Training Inseyets Onboarding Course and to carry on their educational journey by progressing onto our updated Inseyets Cellebrite Certified Operator (CCO) and Inseyets Cellebrite Certified Physical Analyzer (CCPA) courses to gain a full and holistic understanding of the tools.

Cellebrite Training Website: www.cellebrite.com/en/training

Cellebrite Training Schedule: www.cellebrite.com/en/training/schedule



Cellebrite Training's Inseyets Physical Analyzer On-Boarding Module Breakout

Preface

- About Cellebrite
- About UFED Series
- Cellebrite Support Center
- Cellebrite Curriculum Help
- Cellebrite Certification
- About Your Instructor
- Onboarding Objectives: Inseyets UFED
- Inseyets Overview

MODULE 1

Introduction to Inseyets UFED

- Module Introduction and Objectives

Lesson 1.1

INSEYETS INTERFACE

- Inseyets Interface Overview

Lesson 1.2

OPTIMIZING SETTINGS FOR EXTRACTIONS IN INSEYETS

- Settings: Inseyets UFED
- Settings: UFED
- Inseyets UFED Home Screen
- Mobile Device
- Cellebrite UFED Camera Services
- Quick Copy
- Drone
- Device Tools
- Best Practice for Extractions
- Using Streamline in Inseyets

Lesson 1.3

TRIAGING A DEVICE

- Cellebrite Triage

Conclusion

MODULE 2

Extractions with UFED

- Module Introduction and Objectives

Lesson 2.1

OPTIMIZING SETTINGS FOR EXTRACTIONS IN INSEYETS

- Subscriber Identity Module (SIM)
- eSIM Technology
- eSIM Indication
- SIM Extractions
- SIM vs USIM
- SIM Card Evidence Processing
- SIM Extraction Report
- Activity 2.1: SIM Card Extraction

Lesson 2.2

OVERVIEW OF REMOVABLE STORAGE EXTRACTIONS

- Secure Data (SD) Card Types
- Activity 2.2: SD Card Extractions

Lesson 2.3

TRIAGING A DEVICE

- Activity 2.3: Physical Extraction
- Activity 2.4: File System Extraction
- Activity 2.5: Advanced Logical Extraction
- Troubleshooting Extraction Problems

Lesson 2.4

OVERVIEW OF IOS EXTRACTION METHODS

- Lockdown Mode
- Recovery Mode
- DFU Guide
- Jailbreak Types for Checkra1n vs Checkm8



MODULE 2

Lesson 2.5

IOS UNLOCKED WORKFLOWS

- Activity 2.6: Advanced Logical Extraction of iOS Devices
- Basic iOS Troubleshooting

Conclusion

MODULE 3

Advanced Extractions with the Turbo Link Adapter

- Module Introduction and Objectives

Lesson 3.1

OVERVIEW OF BRUTE FORCE

- After First Unlock (AFU) Processing
- Locked vs Unlocked
- Brute Forcing (BF)
- Autonomous Brute Force
- Cellebrite Agent
- Dictionary Types
- Dictionary Options

Lesson 3.2

OVERVIEW OF ANDROID ADVANCED EXTRactions

- Android Extraction Options in Inseyets
- Android Unlocked Workflow
- Activity 3.1: Advanced Unlocked Android Device Extraction
- Android Extraction Options in Inseyets
- Advanced Android Brute Force in Inseyets UFED
- Android Locked Workflow
- Activity 3.2: Locked Android Device Extraction
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Lesson 3.3

TRIAGING A DEVICE

- iOS Options in Inseyets UFED
- iOS Device States
- iOS Unlocked Workflow
- Overview of iOS Brute Force
- Apple Secure Element
- iOS Locked Flow
- Supersonic Brute Force
- iOS Instant Passcode Retrieval (IPR)
- Activity 3.3: iOS Full File System Advanced Extraction with Turbo Link
- Troubleshooting Advanced Extractions

Conclusion



MODULE 4

Post-Extraction

- Module Introduction and Objectives

Lesson 4.1

EXTRACTION COMPLETE, NOW WHAT?

- Post Extraction Options
- How Hash Values are Used

Lesson 4.2

LEVERAGING CELLEBRITE READER

- Reader Software
- Reader Capabilities
- Reporting: What to do After Reader is Distributed

Lesson 4.3

POST-EXTRACTION EVIDENCE MANAGEMENT

- Support Overview
- Triage Reports for Further Investigation
- Triage Analysis Obstacles

Conclusion



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MODULE 1

Overview of Inseyets Physical Analyzer

- Module Introduction and Objectives

Lesson 1.1

MANAGING CASES AND EVIDENCE

- Inseyets PA Capabilities
- Case Management
 - Streamline
- Case Identifiers
- Evidence Types
- Case Wizard
- Modifying or Deleting a Case from the Database
- Enrichment Engines
- Importing Cases
- Exporting Cases
- Opening an Extraction
- Exporting Cases
- Project Settings
- Project Management

Lesson 1.2

OVERVIEW OF EXTRACTION INTERFACE IN INSEYETS PA

- Extraction Summary
- Multiple Extraction Analysis
- Learning Check: Device Data Interface
- Workspace
- Widgets
- Navigation Tabs and Pane

MODULE 1

Lesson 1.3

INTRODUCTION TO INSEYETS PHYSICAL ANALYZER: SETTINGS AND CONFIGURATIONS

- Activity 1.1: Configuring Inseyets Physical Analyzer
- Data, Files and Settings Configuration
- Additional Fields
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Lesson 1.4

INTRODUCTION TO ANALYSIS IN INSEYETS PA

- Opening, Viewing and Filtering Data
- File System Browser
- Analyzed Data
- Timeline Analysis
- Search Techniques
- Tagging
- Watch List
- Creating a Dictionary List
- Malware Scanning
- Activity 1.3: Opening and Viewing Data in Inseyets PA
- Exporting Cases
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- Adding an Extraction to a Case
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MODULE 2

Data Analysis Techniques

- Module Introduction and Objectives

Lesson 2.1

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- What is Binary?
- What is ASCII?
- ASCII Encoding Schemes
- What is Unicode?
- Location-Based Information
- Installing Offline Maps
- Activity 2.1: Location Data
- Image Data Carving
- Automated Data Carving
- Activity 2.2: Data Carving
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- Activity 2.3: Media Classification
- AppGenie
- Activity 2.4: AppGenie
- Managing Tags
- Activity 2.5: Manage Tags
- Hash Set Manager

MODULE 3

Verification and Validation

- Module Introduction and Objectives

Lesson 3.1

VERIFICATION AND VALIDATION OVERVIEW

- Documenting the Extraction Process
- What is Verification and Validation?
- When to Validate
- Ways to Validate and Verify
- Data Validation Best Practices

Lesson 3.2

VERIFICATION AND VALIDATION TECHNIQUES

- Using SQLite Databases for Validation
- Third-party Tools
- Hand Scroll Technique



MODULE 4

Reporting with Inseyets Physical Analyzer

- Module Introduction and Objectives

Lesson 4.1

REPORTING IN INSEYETS PA

- Inseyets Physical Analyzer Reader Reporting Features
- Inseyets Physical Analyzer Report Formats
- Report Security
- Inseyets PA Report Customization
- Additional Fields
- Inseyets PA Report: Preliminary Device Report

Lesson 4.2

REPORTING

- Reporting Overview
- Report Elements
- Report Elements: Establish Credibility and Certification
- Report Elements: Identification of Mobile Devices
- Summary
- Report Data: Inclusion or Exclusion
- Report Elements: Acquisition of Digital Evidence
- Report Elements; Analysis of Digital Evidence
- Report Storage Location and Directory
- Learning Check
- Activity 4.1: Inseyets PA – Generating a Report

Conclusion

Appendix A: Additional Activities

- Activity 0.1: Inseyets PA Installation, Licensing and Translation Packs
- Activity 0.2: Analyzing Android Data
- Activity 0.3: Analyzing iOS Data
- Glossary



About Cellebrite

Cellebrite's (Nasdaq: CLBT) mission is to enable its customers to protect and save lives, accelerate justice and preserve privacy in communities around the world. We are a global leader in Digital Investigative solutions for the public and private sectors, empowering organizations in mastering the complexities of legally sanctioned digital investigations by streamlining intelligence processes. Trusted by thousands of leading agencies and companies worldwide, Cellebrite's Digital Investigation platform and solutions transform how customers collect, review, analyze and manage data in legally sanctioned investigations. To learn more visit us at www.cellebrite.com, <https://investors.cellebrite.com>, or follow us on Twitter at @Cellebrite.

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