

## Course Introduction

Currently there are a lot of attacks to mobile devices. Securing mobile devices is the proactive steps to protect privacy but there might be an attack that successfully gets into sensitive information. Incident respond and mobile forensics are reactive steps to handle and control the loss of critical assets and may lead to an investigation of an attack. IT professional should be ready for such an incident.

We will discuss on how to do forensic over various mobiles platforms such as Android, Black berry, iPhone and Symbian. The techniques for evidence acquisition on both volatile and non-volatile data as well as data and file system analysis are covered in the course.

Participants will gain skills on collecting evidence and data analysis on well-known platforms by using professional forensics tools and can leverage the knowledge from this course for the other areas of forensics.

## Course Objectives

- To understand attacking methods and tools
- To learn where the evidences of attacks can be collected on mobile devices
- To learn how to interpret the evidences that attackers leave
- To experience a hands-on mobile forensics techniques

## Course Highlights

- Mobile Forensic software provided
- Mobile Forensics Workstation provided
- Free membership for ACIS Alumni
  - Access to the latest information related to the course subjects
  - A life-time class re-sit

## Learning Level

- Expert

## Course Duration

- 3 Days (18 Hours)

## Prerequisites

- Knowledge about Computer forensic techniques
- Knowledge about Operating system (Windows ,Linux Command-line)

## Target Group

- IT Security Professional

- Computer Forensic Investigator
- Law Enforcement

## Course Outline

### Module 1: Provide information on the current Community Status

- Discuss Current Pitfalls
- Technology GSM, CDMA, 3G Smartphone/Tablet
- Evidence from internet access
- Vendor version of Cellular Network
- AT Commands
  - Understand structure
  - Issue Commands/Extract Data

### Module 2: SIM Cards

- Advanced discussion on structure
- Communication with SIMs
- Analyzing Memory and Analyzing SIM Card
- LAB: Analyzing SIM Card with Paraben

### Module 3: Introduction Mobile Forensic

- Introduction Mobile forensic tools (Paraben ,XRY ,Cellebrite)
- Introduction Mobile forensic Open Source tools
- Cell phone imaging

### Module 4: Mobile Phone Data structure

- Understand iPhone data structure
- Understand Blackberry data structure
- Understand Android data structure
- Understand Symbian data structure
- Data Acquiring from mobile phone concept

### Module 5: Mobile Forensic with Commercial Tools

- Mobile Forensic with Paraben Seizure
  - LAB: Forensic with Paraben
- Mobile Forensic with Cellebrite
- Mobile Forensic with XRY
- Mobile Forensic with MobileEdit
  - LAB: Forensic with MobileEdit

### Module 6: Mobile Forensic with Open Source Tools

- Introduction Linux live CD Sans Investigating Forensic Toolkit (SIFT)
- Forensic Iphone with Open Source tools
  - LAB: Acquiring Evidence from iPhone ,IPad device
  - LAB: Iphone forensic with iPhone Analyzer
- Forensic Blackberry with Open Source tools
  - LAB: Blackberry forensic with Blackberry backup analyzer
- Forensic Android with Open Source tools
  - LAB: Acquiring Evidence from Android ,Tablet device
  - LAB: Android forensic with Sans Investigating Forensic Toolkit (SIFT)
- Forensic SD Card and MicroSD
- LAB: Forensic Memory using well known memory forensic tools

### Module 7: Cloud Application Forensic

#### สำรองที่นั้งและขอรับรายละเอียดเพิ่มเติมกรุณาติดต่อ (FOR MORE INFORMATION & REGISTRATION PLEASE CONTACT)

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