



1 Day

Mobile Security Toolkit Ethical Hacking Workshop

May 3, 2019



Who Should Attend?

IT Admins who are interested in cybersecurity,
Ethical Hackers, Pen Testers

What is the Mobile Security Tool Kit?

EC-Council's Mobile Security Toolkit (Better known as the STORM!) is a fully-loaded pen-test platform which comes equipped with a customized distro of Kali loaded onto a portable Raspberry Pi-based touchscreen device. EC-Council rolled out the STORM as a mobile tool to enhance our certification course offerings by giving online asynchronous students a mobile training option. In this option, the video lectures are loaded directly onto the STORM.

What is the Mobile Security Tool Kit Workshop?

The course content was derived by pulling carefully selected modules from EC-Council's Certified Network Defender (CND) and Certified Ethical Hacker (CEH) certification courses.

One Day Course:

In this course you will learn the procedures to use a virtual bridge and connect to a physical network. How to run virtual software and bridge it to your Storm device as well as how to isolate the Storm with the bridge. Configure secure remote access, and connect from the Internet Do your assessments from your back yard with no airport security checks! Following this you will learn network monitoring, and protocol analysis. Performing the hacking and penetration testing methodology and using the device as your attack platform.

Course includes:

- e-Book
- Certificate of Attendance (.pdf)
- STORM device
- keyboard
- carry case
- STORM T-shirt
- STORM Sticker

Tool kit Specs:

- 64 Bit – Quad Core Mobile System with Case
 - 1 GB RAM
 - 7 inch touch screen display
 - 64 GB MicroSD – Preloaded w/Custom Linux Hacking OS
 - 100Mb Ethernet port
 - 4 USB ports
 - 802.11n wireless
 - Bluetooth 4.1
 - Combined 3.5mm audio jack and composite video
 - Camera interface (CSI)
 - Display interface (DSI)
 - VideoCore IV 3D graphics core
 - Full HDMI
 - USB 2.0 A to B Micro Power Cable.
- [The Storm can be powered from a 5V micro-USB source, Power Supply not included with base package.]
- Rollup water resistant keyboard
 - Field Case Organizer for all your gear

Module 01: Technical Introduction to the Storm

- Hardware Assembly and Chipsets
 - Imaging Techniques
 - Linux ARM Distro options
 - Management of Modules and Meta Packages
 - Industry tips and best practices
- LAB: Backing up and restoring the Storm image**

Module 02: Network Traffic Monitoring and Analysis

- Network Traffic Monitoring and Analysis (Introduction)
 - Advantages of Network Traffic Monitoring and Analysis
 - Network Monitoring and Analysis: Techniques
 - SNMP Monitoring
 - Network Traffic Signatures (normal and attack)
 - Categories of Suspicious Traffic Signatures
 - Attack Signature Analysis Techniques
- LAB: Using the Storm device for network traffic monitoring and analysis**



1 Day

Mobile Security Toolkit Ethical Hacking Workshop



Module 03 Hacking Concepts, Types, and Phases

- What is Hacking
- Who is a hacker?
- Hacker Classes
- Hacking Phases
- Ethical Hacking Concepts and Scope
- Skills of an Ethical Hacker
- The Hacking Methodology
 - Footprinting
 - Scanning
 - Enumeration
 - Identify Vulnerabilities
 - Exploitation

LAB: Using the Storm Device to perform the hacking methodology and penetration testing

Module 04: Exploring the Hacking Methodology

- Footprinting Concepts
- What is Footprinting
- Objectives of Footprinting
- Footprinting methods
- Overview of Scanning
- Abstract Scanning Methodology
 - Live Systems
 - Ports
 - Services
 - Enumeration
 - Identify Vulnerabilities
 - Exploit
- Introduction to System Hacking
 - Cracking passwords
 - Privilege escalation
 - Rootkits

LAB: Gaining and maintaining access using your Storm device

Hosted by:

Forsyth Technical Community College
Center of Academic Excellence(CAE)
Please contact: Deanne Wesley, Associate Dean
[@dwesley@forsythtech.edu](mailto:dwesley@forsythtech.edu) or Shelby Gourley
Administrative Assist@sgourley@forsythtech.edu
CAE Regional Resource Center for additional
information.

