

## Course Objectives

This class is for everyone who want to be a security expert that will come up with 0-day and various (restricted computing environment) escape strategies.

## Learning Level

- Advance

## Course Duration

- 5 Days

## Course Prerequisite

- None

## Target Group

- Technical Security Expert

## Course Outline

### Day 1

- Advanced Network Attack
- Accessing the Network
- Manipulating the Network
- Take Advantage of network protocols

### Day 2

- Modes of Encryption
- Encryption and Obfuscation

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**For More Information & Registration, Please Contact Training Division**

Tel:(66) 2253-4736, Fax:(66) 2253-4737, Hotline:(66) 86-325-7129, E-mail: [registration@acisonline.net](mailto:registration@acisonline.net)

Cryptographic Attacks

Escaping from Restricted Computing Environment

### Day 3

- Python For Exploit Researcher
- The Art and Science of Fuzzing
- Creating Packets in Scapy
- Fuzzing Techniques
- Fuzz Testing using Sulley
- Fuzzing Code Coverage Determination

### Day 4

- Exploit Linux Environment
- Memory
- Dynamic Memory
- Linux Shellcode
- Smashing the Stack
- Advanced Stack Smashing
- Defeat Stack Protection
- Bypassing Address Space Layout Randomisation

### Day 5

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Investigating Windows OS Protections and Complier-Time Control

Introduction to Windows Exploitation

Windows Overflows

Defeating DEP, ASLR, and Windows 8 ROP Protection

Building and Importing Metasploit Modules

Windows Shellcode

#### Official Training Partner



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**ERPT - Exploit Researcher and Advanced Penetration Tester: Course Outline**