

TRAINING | Cadet



**Cadet Edition**

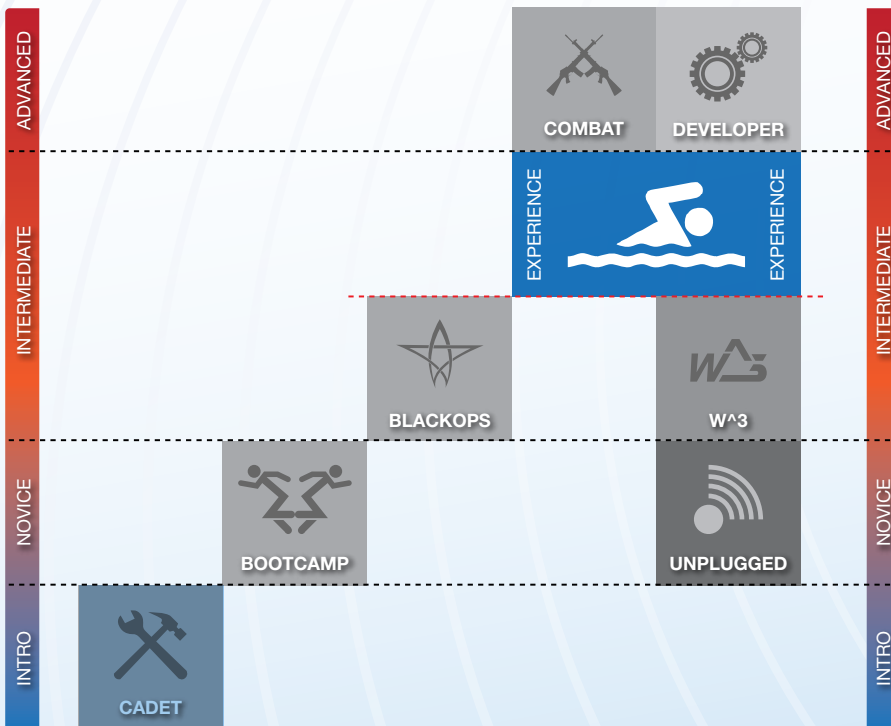
“Cadet Edition” is offered as an introduction course to the art and science of computer hacking.

Even with no hacking experience whatsoever, “Cadet Edition” will equip students with the basic thinking and technical skills necessary to start exploring this fascinating world.

“Cadet Edition” is an introductory course for technical people with no previous experience in the world of hacking.

The course will present students with background information, technical skills and basic concepts required to get going. This includes some coding and scripting, networking and Internet technologies, basic methodologies, essential thinking skills, tools and current hacking techniques. “Cadet Edition” is the ideal training ground to prepare students for the “Bootcamp Edition”, further self-study or other hacking courses.

**Training Overview**



**SensePost Information Security**

**Information Security**

As trusted advisors we deliver insight, information and systems to enable our customers to make informed decisions about Information Security that support their business performance.

SensePost is an independent and objective organisation specialising in Information Security Consulting, Training, Security Assessment Services and IT Vulnerability Management.

SensePost is about security. Specifically - Information Security. Even more specifically - measuring Information Security.

We’ve made it our mission to develop a set of competencies and services that deliver our customers with insight into the security posture of their information and information systems.

**Training Overview**

- Cadet Edition
- Cadet Online Edition
- Bootcamp Edition
- BlackOps Edition
- Combat Edition
- Unplugged Edition
- W^3 Edition
- Developer Edition

**What People Say**

*“This class provided a great over view of the thinking and methodology involved in hacking.”*

TRAINING | Cadet

Content

1. Introduction

- An introduction to hacker thinking and why hackers are different
- An introduction to method-based hacking
- A methodology for hacking into computers over a network
- Understanding Vulnerabilities and Exploits
- Vulnerabilities in Custom Applications

2. Essential Networking Technologies (A Hacker Perspective)

3. Essential OS Technologies (A Hacker Perspective)

4. More Scripting for Hackers

5. An Introduction to Hacker Tools and Techniques

- Intelligence
  - Useful Web Resources
  - Web Spiders
  - Search Engines & Hacking
- Footprinting
  - FDNS Mining
  - WHO IS
- Fingerprinting
  - Basic Port Scanners
  - Service & OS Discovery
- Vulnerability Discovery
  - Nessus
  - Wikto

- Web Proxy
- Exploiting Vulnerabilities
  - The Metasploit Framework
  - Brute Force
  - Malicious Content Attacks

6. Putting it all together

- A real-world capture-the-flag exercise.

Context

This introductory-level course is the first in the Hacking By Numbers series. It is aimed at beginners and serves to prepare students for the "Bootcamp Edition". "Cadet" and "Bootcamp Edition" can be taken back-to-back. There is however, a small amount of overlap between the two courses.

Prerequisites

"Cadet Edition" is designed for students who are technical but have no skill or experience in hacking. The course remains technical however, and students are expected to have a solid practical grasp of computer operating systems, networks and databases. In order to complete the course, students will be given preconfigured laptops that will serve all the needs of the environment, along with all other required material. All that is required is a freshmind and maybe some coffee.

Who Should Attend

Information Security Officers, System and Network Administrators, Security Consultants, Government Agencies will all benefit from the valuable insights provided by this class.

*"Hacking By Numbers "Cadet Edition" is offered as an introduction to the art and science of computer hacking."*

More Training At SensePost



CADET

**Cadet Edition**

is an introductory course for technical students with no previous experience in the world of hacking. The course will present the student background information, technical skills and basic concepts required to get the student going.



BOOTCAMP

**Bootcamp Edition**

is the core of the HBN series. A highly practical course that teaches method-based hacker thinking, skills and techniques. This course continues to receive support and acclaim from all over the world.



BLACKOPS

**BlackOps Edition**

is a course to sharpen the student's skills in real scenarios before being shipped off to battle. "BlackOps" covers tools and techniques to brush up skills on data exfiltration, privilege escalation, pivoting, client-side attacks and exploit writing.



COMBAT

**Combat Edition**

is an unique concept - a series of carefully crafted Capture-The-Flag "missions", each designed to teach a specific hacking skill or concept. This course is all hack, no talk. "Combat" has been described as "Zen" for hackers.



UNPLUGGED

**Unplugged Edition**

is the ultimate wi-fi hacking course. With a strong focus on obtaining results in offensive scenarios for wi-fi hacking. Presents students with the background knowledge, methodologies, tools and thinking skills required.



W^3

**W^3 Edition**

is an intermediate web application hacking course for students with some experience in penetration testing. "W^3" is a hands-on, highly practical course which aims to enable students to understand the trade and not the trick of breaking webapps.



DEVELOPER

**Developer Edition**

introduces a wide array of common (and not so common) web application security vulnerabilities. Students are given hands-on lab exercises allowing them to attack vulnerable applications and to fully explore the impact of potentially vulnerable code.