

# Ethical Hacking - Capture the Flag Walkthroughs

Prof. K



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# The Course Overview

*“Knowing is not enough; we must apply. Willing is not enough; we must do.” - Johann Wolfgang von Goethe*

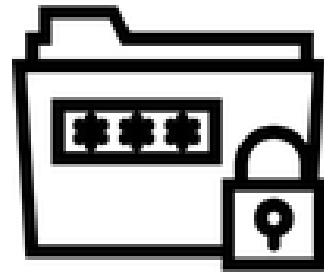
# Network Design

- Labs are built using VirtualBox
- All links for software and ISO downloads and OVA files are provided in the lab files
- One virtual install of Kali Linux
- One virtual install for each target machine
- Everyone should complete Section 2 of the course before making any final purchase

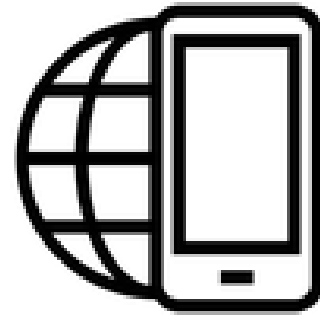
# What do Capture the Flag Exercises



Forensics



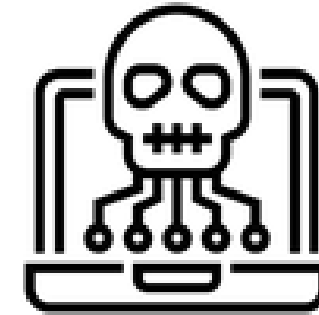
Cryptography



Web  
Exploitation



Reverse  
Engineering



Binary  
Exploitation

- One of the best ways to learn specific security skills, such as binary exploitation, web exploitation or reverse engineering.
- Helps to build hacker persistence.
- Teaches you to remain patient and optimistic.

# Hardware and Software Requirement

- A host machine with a preferred operating system of Windows 7, 8 or 10
- A minimum of 4 GB of RAM (8 GB recommended)
- A system BIOS capable of Supporting VT+x virtualization
- Internet connection

# Prerequisites

- 1-3 years of experience working with Microsoft and/or Cisco networks.
- Basic knowledge of operating systems, networking principles, IP Addressing and DNS.

Let's Get Started