Certified Ethical Hacker, Part 1 of 8: Intro to Ethical Hacking

Meet the expert: Rafiq Wayani has extensive experience including more than 20 years in IT as Systems Architect, Software Engineer, DBA, and Project Manager. Wayani has instructed in a variety of technical areas, has designed and implemented network and information systems, and is certified across a wide range of platforms and systems including Microsoft Solutions Developer, Systems Engineer, Application Developer, Database Administrator, Trainer; Novell Netware Administrator and Engineer; Master Certified Netware Engineer; and A Certified.

Prerequisites: To get the most out of this course, this course assumes that you have a good working knowledge of Linux and Windows based networking environments. It also assumes that you have experience with managing a network, have worked with networking hardware such as switches & routers, are familiar with MS Active Directory (AD) Domain based authentication, know how to work with command-line utilities, and understand the basics of Web Server environments.
Many of the demonstrations in this course use the Windows 7 and Kali Linux operating systems which can be downloaded free from the respective sites. All of the demonstrations are created in a virtual environment using Oracle VirtualBox and VMware vSphere 6.

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Course description: Hacking has gone from an obscure term to something that appears in the daily news. In this course we'll get started with what is hacking and understand some of the differences between "white hat" hackers and "black" or "grey" hat hackers. It will cover at a high level what are some of the essential tools a hacker needs to know about and be proficient with as well as the credentials of a hacker and what you can expect when becoming a Certified Ethical Hacker (CEH), an certification by the EC-Council.

Course outline:

Introduction
- Introduction
- Certified Ethical Hacking
- Introduction
- Summary

Hacker Credentials
- Introduction
- Credentials
- Demo: Wizard vs. Cmd Line
- Demo: PowerShell
- Summary

Hacker Credentials Part 2
- Introduction
- Credentials
- OSI Model
- Credentials Cont.
- Demo: Linux
- Summary

Being a Hacker
- Introduction
- What Is It Like?
- Demo: Understand the System
- What Is It Like? Cont.
- Summary

Terminology
- Introduction
- Terminology
- Terminology Cont.
- Summary

Tools
- Introduction
- Tools
- Demo: Basic Windows Script
- Demo: Basic Linux Script
- Demo: Differences
- Summary

Footprinting
- Introduction
- Footprinting & Reconnaissance
- Active & Passive Footprinting
- Footprinting Sources
- Demo: Google Hacking
- Demo: Other Online Tools
- Footprinting Sources Cont.
- Summary

Footprint Tools and CM
- Introduction
- Types of Information Gathered
- Methods Available
- Mitigate Footprinting
- Summary