VOISIP CERTIFIED ETHICAL HACKER TRAINING (VCEH)

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IT Manager, everyday Group
CCENT, CCNA, Oracle OCA, CEH

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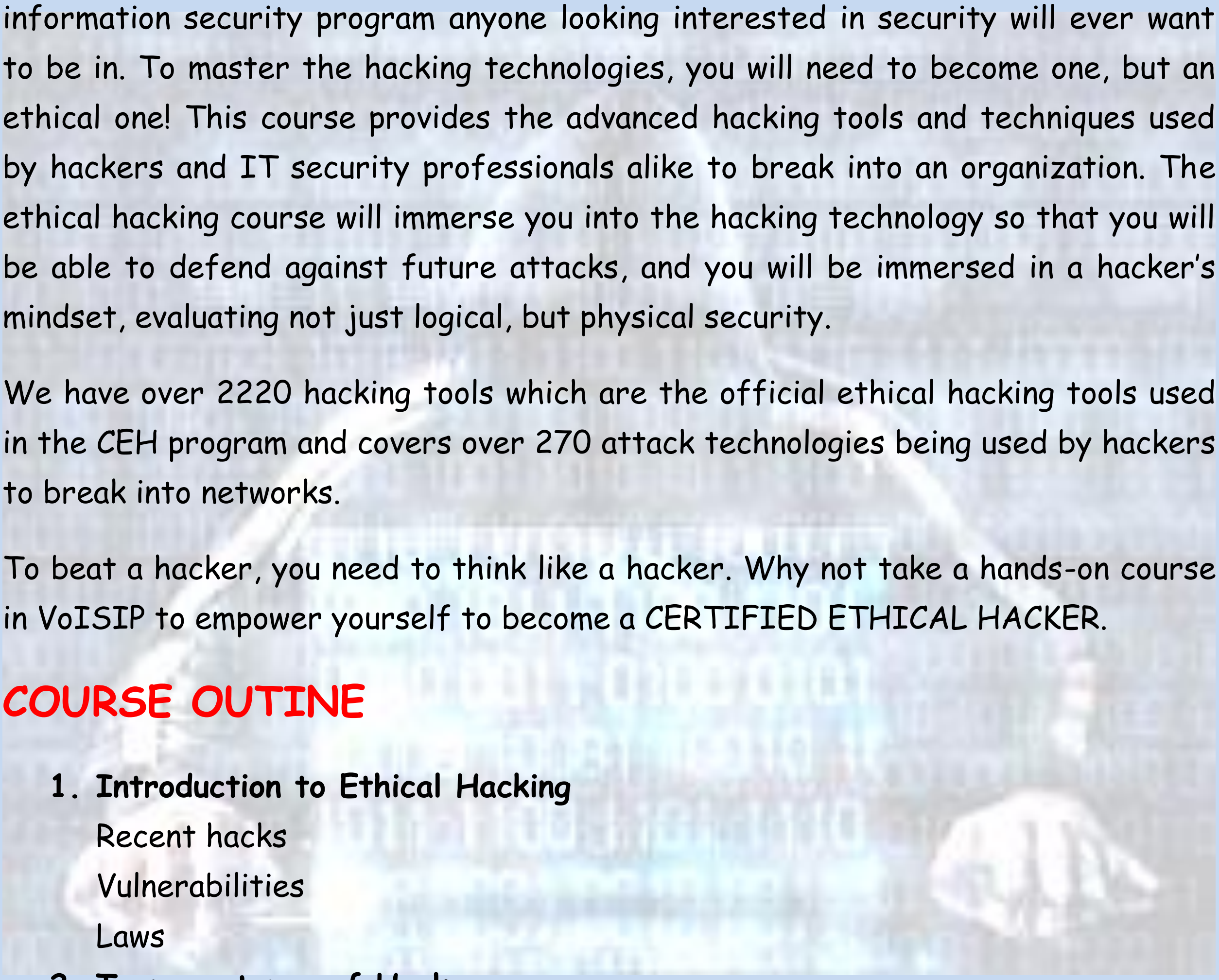
Technology Manager, VOISIP Telecomms Ltd
CCIE Collaboration Written, CCNP Voice, MCSA, Linux+, CCNA Voice, CCNA R/S, MCITP, ITIL,

Course Duration: 8 weeks Regular/Evening Students
7 days fast track for corporate organizations

8 Weekend classes for workers

COURSE DESCRIPTION



The certified Ethical Hacker program is the pinnacle of the most desired information security program anyone looking interested in security will ever want to be in. To master the hacking technologies, you will need to become one, but an ethical one! This course provides the advanced hacking tools and techniques used by hackers and IT security professionals alike to break into an organization. The ethical hacking course will immerse you into the hacking technology so that you will be able to defend against future attacks, and you will be immersed in a hacker's mindset, evaluating not just logical, but physical security.

We have over 2220 hacking tools which are the official ethical hacking tools used in the CEH program and covers over 270 attack technologies being used by hackers to break into networks.

To beat a hacker, you need to think like a hacker. Why not take a hands-on course in VoISIP to empower yourself to become a CERTIFIED ETHICAL HACKER.

COURSE OUTINE

1. **Introduction to Ethical Hacking**
   Recent hacks
   Vulnerabilities
   Laws
2. **Terms + types of Hackers**
   Hacking
   Hacker: - Black Hat, White Hat, Gray Hat
   Black Box Test
   Grey Box Test (Blue)

3. **Virtualization & Linux**

Virtualization as a Core IT Skill
VMWare Fusion
Virtualbox
VMWare Workstation/player
VMWare ESXI Server
Hyper-V

4. **Introduction to Linux**

Linux overview
Using Linux as a hacking environment
Account management

5. **Reconnaissance**

5 stages of ethical hacking
Reconnaissance overview
Active/passive reconnaissance
Power resources to deploy reconnaissance

6. **Foot printing**

Nessus
Nikto, XPROBE2, HTTPRINT
Google Hacking
Email tracing
Countermeasures to prevent your network from being footprinted

7. **Social Engineering**

Psychology
Methods of social engineering attacks
Countermeasures of mitigating social engineering attacks

8. Scanning & Enumeration

Scanning Terms

Fire-walking

3 way handshake

Closing sessions

Firewalls

War-Dialing

Additional tools

NMap & Port States

Side channel scanner (idle)

Enumeration: Enumeration overview

System hacking cycle

SNMP text & Demo

Banner grabbing

9. Cracking Passwords

Windows passwords

Hash Methods

Cracking methods

Getting Hashes

Kerberos

Linux Passwords

Be realistic

Good passwords

Cracking linux passwords

10. System Hacking

Alternative data streams & NTFS file systems

Stegeonography

Keyloggers

Metasploit

Malware: Spyware, Viruses/worms, Rootkits, Trojans

Spreading malware

Protecting from Malware

11. Hacking Sessions & Controlling other Computers

Armitage

Remote Access tools

Netcat

Rootkit

Binder/Wrapper

12. Sniffing

Update/Upgrade KALI

File carving

Why Sniffing

Sniffing Network Devices

Preventing Sniffing

Sniffing Demo: Tools

ARPSPOOF

Drifnet & VRLSNARF

ETTERCAP

MACOF

XPLICO

13. Denial of Service (DOS)

Why DOS?

Definition & Examples

Methods

Common tools

DOS prevention

14. Hijacking

Hijacking overview

Types of Hijacking

Common hijacking tools

15. Hacking Web APPs & Websites

Things to know before hijacking

Web Hacks

Web APP Hack & Demos

16 **Cryptography**

Basics of cryptography

Symmetric & Asymmetric cryptography

Key pairs

Using Encryption

17.IDS/Snort/Honeypots

Overview of Intrusion/Detection System

SNORT basics

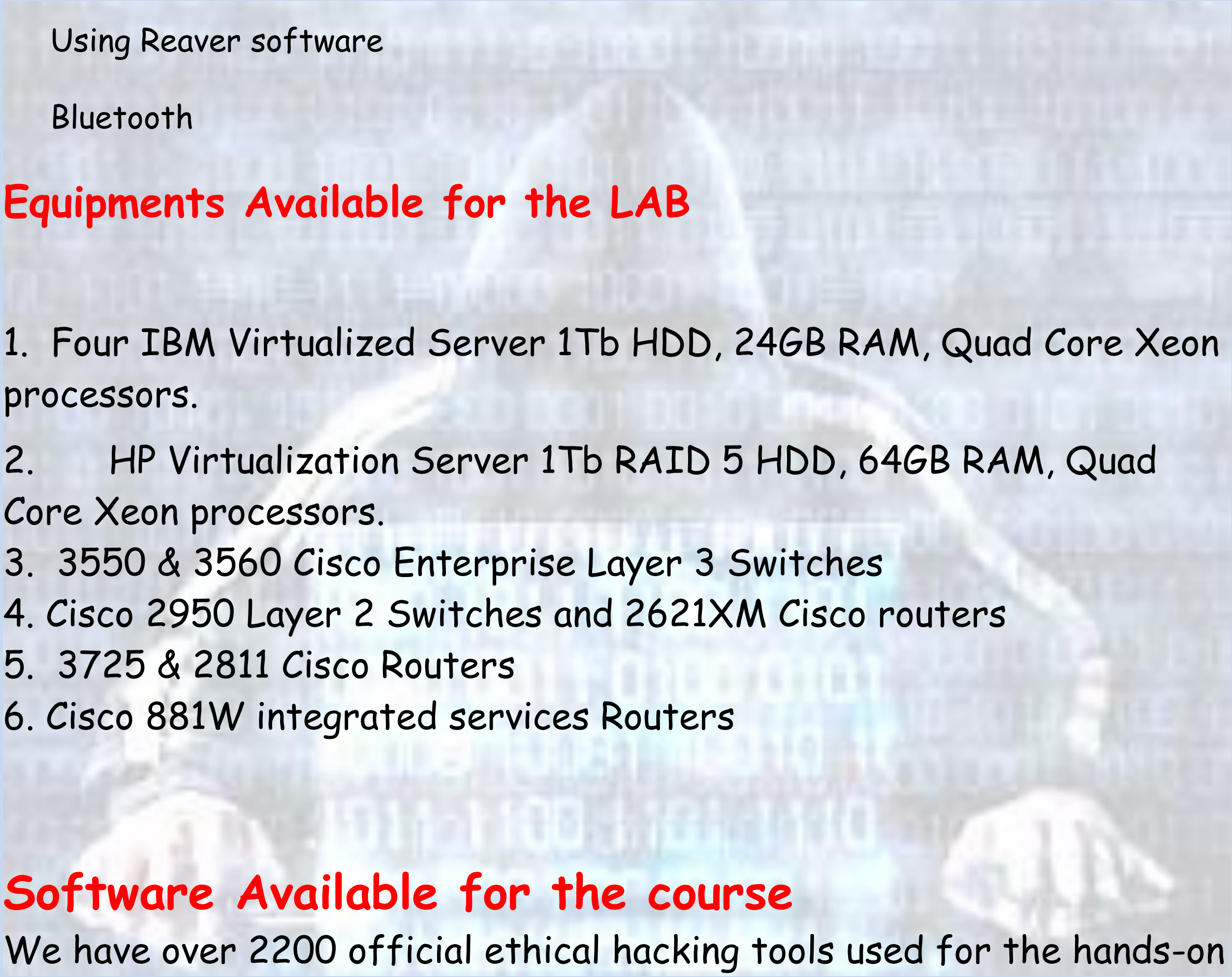
Snorts & Honeypot

Detective IDS

18. **Wireless & how to crack wifi passwords**

Overview of securing wireless

WPA/WPA2 cracking



Using Reaver software

Bluetooth

Equipments Available for the LAB

1. Four IBM Virtualized Server 1Tb HDD, 24GB RAM, Quad Core Xeon processors.
2. HP Virtualization Server 1Tb RAID 5 HDD, 64GB RAM, Quad Core Xeon processors.
3. 3550 & 3560 Cisco Enterprise Layer 3 Switches
4. Cisco 2950 Layer 2 Switches and 2621XM Cisco routers
5. 3725 & 2811 Cisco Routers
6. Cisco 881W integrated services Routers

Software Available for the course

We have over 2200 official ethical hacking tools used for the hands-on Lab tests. Plus other software like;
Virtualbox Virtualization Software
VMware Workstation 11 Software
Fedora, Ubuntu, CentOS Linux Operating System software
Wireshark software plus other software's in our Software bank
VMWare VSphere 5.1 environment

Nagios & Splunk monitoring software
Online cloud servers from Digital Ocean