

Certified Ethical Hacker

Learn "How can Hacker Hack"

Introduction to Ethical Hacking

- What is hacking?
- Definition of Hacking
- Future scope and Job Opportunities
- How to become a hacker?
- Why do we need a hacker?
- Case Studies
- Types of Hackers
- As per Working
- As per Knowledge
- Hacking Methodology
- Reconnaissance
- Scanning
- Gaining Access
- Maintaining Access
- Clearing Tracks
- Indian Cyber Laws
- IT Act 2000

Methodology and Concepts of Hacking

- Reconnaissance
- Banner Grabbing
- Web Ripping
- Website at Offline Mode
- Downloading Server Side Code
- Foot Printing
- Name Space Lookup
- Trace Routing Techniques
- Whois Lookup Query
- Fingerprinting
- Scanning
- IP Scanners
- Port Scanners
- Web Scanners
- Attacks on Networks
- Attacks on Web Servers
- Attacks on Wireless Technologies
- Attacks on Emails
- Maintaining Access (Back Doors)
- Operating System Backdoors
- Rootkits
- Shell Injections
- Network Backdoors

Operating System Hacking & Security

- Introduction to Operating System
- Windows Hacking
- Introduction to Windows Security
- Architecture
- Attacks on Windows Login Password
- Introduction to Registry
- Linux Hacking
- Introduction to Linux
- Cracking Linux Passwords
- Steganography
- Hiding Data Behind Images
- Steganalysis
- Cryptography
- ACLs
- Keyloggers
- Alternate Data Streaming (in Windows 7)
- Injecting Data inside a File
- Detecting ADS Files

Internet: Vulnerability & Security

- Introduction to proxies
- Types of Proxies
- Web Proxies
- Anonymous Proxy Servers
- Sock Chain Techniques
- HTTP Tunnelling
- Un-Intentional Proxies
- Google as a Proxy Server
- RFI Attacks (Introduction)
- What is E-Mail and its working?
- What is email server?
- E-Mail Forgery
- E-Mail Spammers
- E-Mail Bombers
- Security to Anonymous Mailing
- Securing the E-Mail Passwords
- Whois Lookup Query
- Website Scanners
- Database Servers
- Attacks on Database Servers
- SQL Injection
- Advance SQL Injection
- Social Engineering

Network & Security

- Introduction to Networking
- Devices and Terminologies in Networking
- Attacks on Networks
- Sniffing
- ARP Poisoning
- DNS Spoofing
- SSL Redirection
- Pharming
- Buffer Overflow Attacks (Intro)
- Metasploit Framework (Introduction)
- Denial of Service (Introduction)
- Distributed Denial of Service (Intro)
- MAC Flooders
- Wireless Networks (Wi-Fi)
- Introduction to Wireless Fidelity
- Advantages/Disadvantages of Wireless Networks
- Wireless Encryption Keys: WEP,WAP
- Modes of Wireless Network Cards
- Monitor Mode
- Ad-Hoc Mode
- Working on Ad-Hocs

Viruses & Malwares

- Trojans
- Introduction to Trojans
- Usage of Trojan
- Developing a Server File
- Viruses
- Introduction to Viruses
- Batch Programming
- Using Batch Compilers
- Virus Writing
- VB Programming
- Virus Development in Visual Basics
- Introduction to Malwares
- Introduction to Anti-Viruses
- Removal of Malwares
- Working of Anti-Virus
- Manual Removal of Viruses, Trojans and Keyloggers

Mobile Hacking & Security

- Introduction to Mobile Technology
- VOIP – Definition and Usage
- Introduction to SIP Lines
- Call Forgery
- Anonymous Calling
- Caller ID Spoofing
- SMS Forgery
- Spyware

Software Reverse Engineering

- What is Reverse Engineering?
- Disassembling the Software
- Debugging the Software
- Software Cracking & Serial Key Phishing
- Software Patch Development
- Applying Application Security
- Introduction to Application Security
- Using the Setup Encrypters
- Applying strong Serial Key Algorithms

Computer Forensics & Cyber Crime Investigation

- Introduction to Computer Forensics
- Reasons for Cyber Attacks
- Computer Forensics
- Introduction to Data Storage
- Data Recovery
- Recovering Deleted Files

Project.

Thanks

For any queries
Please contact Us: