

SLOG SOLUTIONS PRIVATE LIMITED

TECHNOLOGY: Ethical Hacking

DURATION: 6 WEEKS

Introduction to Hacking

Types of Hackers

Data Breach

Elements of Information Security

Essential Terminology

The Security Functionality and Usability triangle

Types of attacks

Information Warfare

Threat Modeling

Network Security Zoning

Incident Management

Vulnerability Assessment

Types of Penetration Testing

Phases of Penetration Testing

Payment card Industry data security standard

Footprinting Concepts

Pseudonymous Footprinting

Internet Footprinting

Advance Google hacking Techniques

Website Footprinting

Email Footprinting

Competitive Footprinting

WHOIS Footprinting

DNS Footprinting

Using RECON-NG for Footprinting

Using Maltego for Footprinting

TCP Communication

Creating custom packets using TCP flags

Checking for Live Systems

Checking for Open Ports

HPING3

XMAS Scanning

OS Fingerprinting and Banner Grabbing

NETBIOS Enumeration

LDAP Enumeration

NTP Enumeration

SMTP Enumeration

System Hacking

Password Cracking

Rainbow table using Winrtgen tool

Password cracking using Ophcrack tool

Hiding files

NTFS stream manipulation

Steganography

Malware concept

Trojans

Viruses

Worms

Rootkits

Sleep dipping

Sniffing

Wiretapping

MAC attacks

MAC flooding

DHCP attacks

DHCP starvation attack
DHCP server attack
ARP spoofing
ARP Poisoning
Introduction to Wireshark
Introduction to Social Engineering
Types of Social Engineering attacks
Insider attack
Identity Theft
Denial of Service
Distributed denial of service attack
BOTNET setup
Pandora DDOS attack toolkit
SYN flooding using metasploit
Session Hijacking
Spoofing vs Hijacking
Man in the middle attack
Man in the browser attack
Session Replay attack
Session fixation attack

The 3 way Handshake
Source Routing
RST Hijacking
Blind Hijacking
Forged ICMP and ARP
Intrusion Detection Systems
Firewalls
Honeypots
Obfuscating
False positive generation
Hacking webservers
Website defacement
HTTP response splitting attack
Mirroring a website
Patch management
SQL injection
Evading IDS
Using IBM Security Appscan standard
Wireless networks
Wireless Encryption

WEP/WPA/WPA2 Encryption
Access control attacks
Authentication attacks
Rogue access point attacks
AD hoc connection attack
Wi-Fi Discovery
GPS mapping
Bluetooth Hacking
Jailbreaking IOS
Android rooting
Blackberry attack vectors
Bring your own device(BYOD)
architecture



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