

Infrastructure Hacking

Course Duration : 32 Hours

Course code : INFRA-HACK

1. Course Overview

The **Infrastructure Hacking** course focuses on identifying and exploiting security weaknesses in enterprise IT infrastructure. This course covers attack techniques against networks, servers, operating systems, and enterprise services while following ethical hacking standards. Learners also gain knowledge on how attackers compromise infrastructure and how to secure it effectively.

2. What you'll learn?

- Infrastructure security fundamentals
- Network scanning and enumeration
- Server and service exploitation
- Operating system vulnerabilities
- Privilege escalation basics
- Infrastructure defense techniques

3. Target Audience

- Ethical hacking beginners
- Cybersecurity students
- Network administrators
- IT security professionals
- SOC analysts

4. Pre-Requisites

- Basic networking knowledge
- Understanding of operating systems
- Interest in ethical hacking and security

5. Course Content (Modules)

Module 1: Infrastructure Fundamentals

- Enterprise infrastructure overview
- Common attack surfaces

Module 2: Network Attacks

- Scanning and enumeration
- Network exploitation basics

Module 3: Server and Service Exploitation

- Web, database, and file services
- Misconfiguration attacks

Module 4: Operating System Attacks

- Windows and Linux vulnerabilities
- Local exploitation techniques

Module 5: Privilege Escalation

- User-to-admin escalation
- Common misconfigurations

Module 6: Infrastructure Defense

Hardening and patching

- Monitoring and response