

Ethical Hacking Prep

Learn networking, server, Linux and firewall fundamentals that form the groundwork for ethical hacking.

4 Days

DURATION

5

MODULES

18

TOPICS

COURSE OVERVIEW

This course covers core network communication concepts including the OSI and TCP/IP models, IPv4 and IPv6, network segmentation and subnetting. It then introduces servers such as DNS, DHCP, SNMP and LDAP/Active Directory, followed by Linux file systems and basic, networking and administration commands. It also examines secure network design principles, DMZ types and typical corporate network layouts, before covering host-based and network firewalls on Linux and Windows.

WHO THIS COURSE IS FOR

Network Administrators

System Administrators

Security Analysts

Linux Administrators

IT Support Engineers

LEARNING OBJECTIVES

- Explain the OSI and TCP/IP models
- Compare IPv4 and IPv6 addressing
- Describe network segmentation and subnetting benefits
- Identify server types including DNS, DHCP, SNMP and LDAP/Active Directory
- Apply basic, networking and administration commands in Linux
- Explain secure network design principles and DMZ types
- Describe typical corporate network design
- Compare host-based and network firewall operation

5 Modules, 18 Topics

01

Network Communication Basics

TOPICS

Introduction of OSI, and TCP/IP Model · IPv4 and IPv6 · Network Segmentation and Benefits · Sub Netting

02

Server Introduction and Basics

TOPICS

Introduction and Working of Server · DNS Server and Types · DHCP Server and Types · SNMP Server and Types · LDAP/Active Directory Working

03

Linux Basics and Hands on Practice

TOPICS

Introduction of Linux File System · Basic Commands · Networking Commands · Administration Commands

04

Network Design Principals and Best Practice

TOPICS

Introduction of Secure Network Design · DMZ and Types · Typical Corporate Network Design

05

Introduction of Firewall

TOPICS

Host Based and Network Firewall Working · Linux and Windows Host Based Firewall

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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