BOOST
THE LEADING TRAINING PROVIDER

Information Technology

CompTIA Network+

Course Introduction

The Network+ course embarks on developing the skills of participants in the field of networking; hence every participant will be able to get involved in network management and its security. Moreover, to obtain the skillfulness in making plans for operating the necessary maintenance as the first phase of becoming professional in the field of networking.

This training course is designed to provide participants with hands-on experience that is needed to work with available technology included but not limited to OSI Model, TCP/IP, WAN, Servers, Hosts, Proxy, Firewall, Active directory and Domain Controller.

Target Audience

This program is intended for professionals who are seeking to widen their knowledge on network technologies and/or prepare themselves for CompTIA Network+ Examination and Certification.

Learning Objectives

- Gain a comprehensive understanding of the fundamental principles of installing, configuring, and troubleshooting network technologies.
- Implement a troubleshooting methodology
- Integrate appropriate security elements to ensure network availability and optimum performance
- Deploy, monitor, and maintain wired/wireless networking environments

Course Outline

- **Day 01**

  - Network Basic

  - Network Elements
  - LAN
  - WAN
  - Workstations
  - Servers
  - Hosts
  - Peer to Peer Network
  - Client/Server Network
  - Physical Network Topologies
  - Network Planning
  - Bus Topologies
  - Start Topologies
  - Ring Topologies
  - Mesh Topologies
  - Wireless Topologies
  - Physical Media
  - Coaxial Cables
  - Twisted Pair Cables
  - Fiber Optic Cables
  - Network Connectivity Devices

- **Day 02**

  - The OSI Model

  - OSI Introduction
  - Network Protocols
  - TCP/IP Fundamentals
  - Transmission Control Protocol
  - Internet Protocol
  - Application Protocols
  - Ports & Sockets
  - Understanding IP Address
  - IP Proxy Server

- ◦ Naming Resolution Methods
- ◦ WINS
- ◦ Configuring IP Address in Operating System using
- ◦ CMD & GUI
- ◦ TCP/IP Utilities
- ◦ ARP Table

- **Day 03**

Overview of Network Operating Systems

- ◦ Windows
- ◦ Linux

Network Installation

- ◦ Designing Your Network
- ◦ Networking Components
- ◦ Installation Tools
- ◦ Network Wiring
- ◦ Installing Network Components
- ◦ Configuring Network Devices
- ◦ Setting up Internet Server
- ◦ Connect to Email Server
- ◦ Setting up your Web Server

- **Day 04**

Remote Access Technology

- ◦ WAN Technologies
- ◦ Remote Access Protocols

Basic Network Security

- Firewall
- Proxy Server
- Security Protocols
- Attack and Defense
- Defense Techniques
- Encryption

Network Disaster Recovery

- Hot Sites
- Warm Site
- Cold Site

• **Day 05**

Network Troubleshooting

- Simplify the Problem

Network Monitoring & Troubleshooting Tools

- Network Active port scan
- Advanced IP Scanner
- Active Port
- Advanced Network Topics
- Windows Domain Network
- Active Directory
- Domain Controller
- Installing Domain Controller
- Adding Computers to a Domain
- System Administrators Tools

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 21, 2025	April 25, 2025	5 days	4250.00 $	UAE - Dubai
July 21, 2025	July 25, 2025	5 days	4950.00 $	Netherlands - Amsterdam
Nov. 24, 2025	Nov. 28, 2025	5 days	4250.00 $	UAE - Dubai