



CN+

COMPTIA NETWORK+
COURSE

Course Overview

The CompTIA Network+ (N10-008) certification is a global credential that validates the skills needed to design, manage, and troubleshoot wired and wireless devices. This certification covers the fundamental aspects of networking, including protocols, network infrastructure, network troubleshooting, and network security. It is widely recognized in the IT industry as a benchmark for initial networking jobs.

This certification is used by industries to ensure their IT professionals have the ability to deploy, maintain, support, and operate networks. The Network+ (N10-008) certification establishes a professional's understanding of network hardware, installation, and troubleshooting, providing a solid foundation for advancement in IT/network careers. CompTIA Network+ (N10-008) certification training equips learners with key skills to manage, maintain, and troubleshoot networks.

The course covers topics such as network architecture, operations and infrastructure, network security, and troubleshooting. It also trains learners on industry standards for network configuration and technologies. Participants learn to implement network security, standards, and protocols, and to understand the principles of network troubleshooting. Overall, it provides a substantial knowledge required for a career in IT networking.

Course Duration

5 Days (40 Hours).

Target Audience

- Individuals seeking a career in networking.
- IT professionals wanting to expand their knowledge and skills.
- Students studying computer science or related fields.
- Job seekers aiming for network technician roles.
- Network engineers or administrators seeking professional development.
- Candidates aiming to pass the CompTIA Network+ (N10-008) certification exam.

During this course you should learn

After completing the CompTIA Network+ (N10-008) certification training, an individual can gain skills in managing, maintaining, troubleshooting, installing and configuring basic network infrastructure. They can understand networking concepts, infrastructure, network operations, network security and network troubleshooting. The training also imparts knowledge about key cloud computing best practices and typical service models. Moreover, the individual can understand network protocols, hardware, and network management tools. These skills can assist in the designing and implementation of functional networks and mitigating security threats.

The primary learning objectives of the CompTIA Network+ (N10-008) course are to provide learners with a comprehensive understanding of network technologies, installation, and configuration, media and topologies, management, and security. Participants are expected to acquire the skills necessary to build, maintain, troubleshoot, secure, and support network devices. The course also aims to equip students with knowledge of TCP/IP, the OSI model, network components, and their functions. The certification validates the ability to manage basic network infrastructure and maintain all operations and services up and running smoothly in a company, which is a critical aspect in today's digitally-driven business world.

Course Content

Domain 1: Topologies and Infrastructure

- Lesson 1: Topologies and the OSI Model
- Lesson 2: Ethernet
- Lesson 3: Hubs, Bridges, and Switches
- Lesson 4: Infrastructure and Design.

Domain 2: Addressing and Routing

- Lesson 1: Internet Protocol
- Lesson 2: IPv4 Addressing
- Lesson 3: DHCP and APIPA
- Lesson 4: IPv6 Addressing
- Lesson 5: Routing.

Domain 3: Troubleshooting and Management

- Lesson 1: Transport Protocols
- Lesson 2: Name Resolution
- Lesson 3: Troubleshooting
- Lesson 4: Applications and Services
- Lesson 5: Management and Monitoring
- Lesson 6: Cloud and Virtualization

Domain 4: Installation

- Lesson 1: Network Sites
- Lesson 2: Installing Cable
- Lesson 3: Installing Wireless Networks
- Lesson 4: WAN Technologies
- Lesson 5: Remote Access

Domain 5: Security

- Lesson 1: Vulnerabilities and Threats
- Lesson 2 Security Appliances
- Lesson 3: Authentication
- Lesson 4: Incident Response
- Lesson 5: Change and Configuration Management

Prerequisites

Attendees should meet the following prerequisites:

- Minimum 9-12 months networking experience
- Basic understanding of network standards, protocols, and hardware
- Familiarity with TCP/IP and OSI models
- Practical knowledge of cabling and network topologies
- Prior CompTIA A+ certification is beneficial but not mandatory.



Course Agenda

Day 1	Domain 1: Topologies and Infrastructure
Day 2	Domain 2: Addressing and Routing
Day 3	Domain 3: Troubleshooting and Management
Day 4	Domain 4: Installation
Day 5	Domain 5: Security

Technical Requirement

1. Laptop with minimum 8GB Ram.
2. Connected Monitor for iLabs.
3. Hi speed Internet Connection as All the labs it will be accessed through EC-Council Cloud.

Exam Voucher Validity

It will be valid for 12month starting from the last day of the course.

Certification Expiry

It will be valid for 3 years.





YOUR TRUSTED DEFENDERS

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