



## Network+ (N10-008) Course Introduction

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# About the certification

- **CompTIA Network+** is the only industry certification that covers both wired and wireless networks.
- **CompTIA's Network+** validates the knowledge and skills needed to troubleshoot, configure and manage wired and wireless networks found in companies around the world.
- **CompTIA Network+** certifies a professional-level understanding of emerging technologies, including cloud and virtualization technologies.

# Course Prerequisites

- There are no prerequisites to take the **Network+** exam.
- However, CompTIA recommends that Network+ candidates have **CompTIA A+ Certification** and at least 9-12 months of networking experience.

# What Job Roles Should Take the Exam?

- Network administrator & Network analyst
- Network field technician
- Junior network administrator
- IT consultant
- Network field engineer
- Computer technician
- Help desk technician
- System engineer
- Network support specialist

# Course Domains

**Domain 1-** Networking Fundamentals **(24%)**

**Domain 2-** Network Implementations **(19%)**

**Domain 3-** Network Operations **(16%)**

**Domain 4-** Network Security **(19%)**

**Domain 5-** Network Troubleshooting **(22%)**

# Topics Covered

1. Comparing OSI Model Network Functions
2. Deploying Ethernet Cabling
3. Deploying Ethernet Switching
4. Troubleshooting Ethernet Networks
5. Explaining IPv4 Addressing
6. Supporting IPv4 and IPv6 Networks
7. Configuring and Troubleshooting Routers
8. Explaining Network Topologies and Types

# Topics Covered (cont.)

9. Explaining Transport Layer Protocols
10. Explaining Network Services
11. Explaining Network Applications
12. Ensuring Network Availability
13. Explaining Common Security Concepts
14. Supporting and Troubleshooting Secure Networks
15. Deploying and Troubleshooting Wireless Networks
16. Comparing WAN Links and Remote Access Methods

# Topics Covered (cont.)

- 17. Explaining Organizational and Physical Security Concepts
- 18. Explaining Disaster Recovery and High Availability Concepts
- 19. Applying Network Hardening Techniques
- 20. Summarizing Cloud and Datacenter Architecture



# Labs

1. Exploring the Lab Environment
2. Configure a SOHO Router
3. Capture Network Traffic
4. Configure Interface Settings
5. Configure IPv4 Static Addressing
6. Analyze ARP Traffic
7. Use Tools to Test IP Configuration
8. Configure IPv6 Static Addressing

***Note: There is **no Labs** in the Official Exam, Labs are for **demonstration only!*****

# Labs (cont.)

9. Configure Static Routing
10. Configure Dynamic Routing
11. Use Network Scanners
12. Analyze a DHCP Server Configuration
13. Analyze a DNS Server Configuration
14. Analyze Application Security Configurations
15. Configure Secure Access Channels
16. Configure SNMP and Syslog Collection

# Labs (cont.)

- 17. Analyze Network Performance
- 18. Configure a NAT Firewall
- 19. Configure Remote Access
- 20. Develop Network Documentation
- 21. Backup and Restore Network Device Configurations
- 22. Analyze an On-Path Attack
- 23. Configure Port Security

# FAQs

- Do I need a powerful computer to implement the course Labs ?
  - **No Need**, just regular Laptop with **i5 CPU, 8 Ram** as minimum.
  - We will apply the course lab on **Cisco Packet Tracer Simulator**.
  - You may import every lab topology on your environment and apply the lab.

# Resources for the recorded course

- We will provide you with the following course materials
  - ✓ PDF slides for each topic
  - ✓ HD recorded videos in .mp4 format ready for watching & Download
  - ✓ Tools
  - ✓ Lab Topologies

- Register here NOW

<https://netriders.academy/courses/network/>