

Network+

Course Description

SecureNinja's Network+ training and certification boot camp in Washington, DC provides hands-on, instructor-led training that prepares students to take the Network+ exam. The CompTIA Network+ certification is the sign of a competent networking professional. It is an international, vendor-neutral certification that proves a technician's competency in managing, maintaining, troubleshooting, installing and configuring basic network infrastructure.

The exam covers network technologies, installation and configuration, media and topologies, management, and security. Candidate job roles include network administrator, network technician, network installer, help desk technician and IT cable installer.

Companies such as Dell, HP, Ricoh, Sharp, and Xerox recommend or require CompTIA Network+ for their networking technicians. It is a technical prerequisite option for IT technicians seeking to join the Apple Consultants Network and is recognized by the U.S. Department of Defense.

Although not a prerequisite, it is recommended that CompTIA Network+ candidates have at least nine months of experience in network support or administration or academic training, along with a CompTIA A+ certification.

CompTIA Network+ N10-007 has been updated and reorganized to address the current networking technologies with expanded coverage of several domains by adding:

- Critical security concepts to helping networking professionals work with security practitioners
- Key cloud computing best practices and typical service models
- Coverage of newer hardware and virtualization techniques
- Concepts to give individuals the combination of skills to keep the network resilient

Topics Covered

Domain 1: Network Technologies

- Explain the function of common networking protocols.
- Identify commonly used TCP and UDP default ports.
- Identify the following address formats: IPv6, IPv4, MAC addressing.

Domain 2: Network Media and Topologies

- Categorize standard cable types and their properties.
- Identify common connector types.
- Identify common physical network topologies.

Domain 3: Network Devices

- Install, configure, and differentiate between common network devices.
- Identify the functions of specialized network devices.
- Explain the advanced features of a switch.
- Implement a basic wireless network.

Domain 4: Network Management

- Explain the function of each layer of the OSI model.
- Identify types of configuration management documentation.

Domain 5: Network Tools

- Given a scenario, select the appropriate command-line interface tool and interpret the output to verify functionality.
- Explain the purpose of network scanners.
- Given a scenario, utilize the appropriate hardware tools.

Domain 6: Network Security

- Explain the function of hardware and software security devices.
- Explain the common features of a firewall.
- Explain the methods of network access security.
- Explain methods of user authentication.
- Explain issues that affect device security.
- Identify common security threats and mitigation techniques.

Who Would Benefit

This course is designed for students who are looking to gain a wider understanding of IT concepts, especially those concerning computer networking infrastructure. The Network+ certification is essential for those who are looking to gain higher certifications such as CCNA, Security+ and CASP.

Required Exams

CompTIA Network+ N10-007

Follow-on Courses

- CompTIA Security+
- Microsoft MCSA/MCSE
- Cisco CCNA Routing & Switching

Prerequisites

- Having end-user skills with Microsoft Windows is required.

Course Length

40 hours

Career Track & Roles

- Help Desk Technician
- Help Desk Administrator
- Remote Support Technician
- Backup Administrator
- Network Administrator
- Systems Administrator
- Systems Engineer
- Systems Architect
- Network Security Specialist
- Information Security Specialist