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Learning Style: Virtual Classroom

Technology: CompTIA

Difficulty: Beginner

Course Duration:

CompTIA Network+



The CompTIA Network+ certification is a globally recognized credential that validates the essential skills to design, configure, manage, and troubleshoot both wired and wireless networks. This Network+ instructor-led training delivers a structured, hands-on learning experience, helping students master the technical foundations of modern networking environments through guided instruction and real-time collaboration.

Through this Network+ virtual bootcamp, students gain practical experience in

routing and switching essentials, infrastructure configuration skills, and network troubleshooting fundamentals. The course also explores TCP/IP foundational training, cloud and virtualization concepts, and network security and operations, providing the skills needed to succeed in today's connected IT ecosystems.

This Network+ training online program emphasizes practical application through hands-on networking labs and a remote network learning environment, guided by certified instructors. Students gain the confidence to configure and manage network infrastructure, identify performance issues, and apply best practices for secure, scalable systems.

Professionals with a CompTIA Network+ certification earn an **average annual salary of around $92,000** in the United States, with opportunities for advancement into senior network engineering and administration roles.

Course Objectives:

Once the course is complete, the candidate will be able to

- Explain concepts related to the Open Systems Interconnection (OSI) reference model.
- Compare and contrast networking appliances, applications, and functions.
- Summarize cloud concepts and connectivity options.
- Explain common networking ports, protocols, services, and traffic types.
- Compare and contrast transmission media and transceivers.
- Compare and contrast network topologies, architectures, and types.
- Given a scenario, use appropriate IPv4 network addressing
- Summarize evolving use cases for modern network environments.
- Explain characteristics of routing technologies.
- Given a scenario, configure switching technologies and features.
- Given a scenario, select and configure wireless devices and technologies.
- Explain important factors of physical installations.
- Explain the purpose of organizational processes and procedures.
- Given a scenario, use network monitoring technologies.
- Explain disaster recovery (DR) concepts.

- Given a scenario, implement IPv4 and IPv6 network services.
- Explain the importance of basic network security concepts
- Summarize various types of attacks and their impact to the network.
- Given a scenario, apply network security features, defense techniques, and solutions.
- Explain the troubleshooting methodology.
- Given a scenario, troubleshoot common cabling and physical interface issues.
- Given a scenario, troubleshoot common issues with network services.
- Given a scenario, troubleshoot common performance issues.
- Given a scenario, use the appropriate tool or protocol to solve networking issues.

Audience:

The course is intended to be undertaken by computer support professionals who may be either looking for or occupying entry level positions, having a basic knowledge of computer software, hardware, and operating systems. It is also intended to be opted for by those who wish to take the CompTIA® Network+® exam. Additionally, anybody who wants to enhance their understanding and knowledge of networking concepts while gaining the skills needed to excel in network support career or administration career, then this course is a must for them.

The candidate opting for this course must have at least 9 months of computer support experience as a help desk or PC technician. Having prior experience in networking or A+ certification will become a huge advantage, but it is not mandatory for the candidate to have these before enrolling in this course.

Prerequisites:

Regardless of whether you have passed A+, it is recommended that you have the following skills and knowledge before starting this course:

- Configure and support PC, laptop, mobile (smartphone / tablet), and print devices.
- Know basic network terminology and functions (such as Ethernet, TCP/IP, switches, routers).
- Configure and manage users, groups, and shared resources in a simple SOHO network.

- Understand the use of basic access control measures, such as authentication, security policy, encryption, and firewalls.
- Understand TCP/IP addressing, core protocols and troubleshooting tools.
- At least 9 to 12 months of work experience in IT networking

Course Outline:

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- **Networking Concepts**
- **Network Implementations**
- **Network Operations**
- **Network Security**
- **Network Troubleshooting**

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