CompTIA Network+ N10-007

Duration 5 Days

Overview

CompTIA Network+ verifies that you have the essential knowledge and skills in networking to develop a career in IT infrastructure. Unlike other vendor-specific networking certifications, CompTIA Network+ prepares you to support the network regardless of the platform. It forms the foundation you need before specializing in a vendor solution.

CompTIA Network+ is the only certification that covers both wired and wireless networks.

At Course Completion

The Official CompTIA Network+ Student Guide 2019 Update has been developed by CompTIA for the CompTIA certification candidate. Rigorously evaluated by third party subject matter experts to validate coverage of the Network+ exam objectives, The Official CompTIA Network+ Student Guide 2019 Update teaches the essential skills and information needed to troubleshoot and problem solve, helps learners understand a wide variety of issues ranging from networking and operating systems to mobile devices and security, and prepares candidates to take the CompTIA Network+ certification exam (N10-007).

Course Outline

- Module 1: Explaining the OSI Model and TCP/IP Models

- Module 2: Explaining Properties of Network Traffic

- Module 3: Installing and Configuring Switched Networks

- Module 4: Configuring IP Networks

- Module 5: Installing and Configuring Routed Networks

- Module 6: Configuring and Monitoring Ports and Protocols

- Module 7: Explaining Network Applications and Storage Services

- Module 8: Monitoring and Troubleshooting Networks

- Module 9: Explaining Networking Attacks and Mitigations

- Module 10: Installing and Configuring Security Devices

- Module 11: Explaining Authentication and Access Controls

- Module 12: Deploying and Troubleshooting Cabling Solutions

- Module 13: Implementing and Troubleshooting Wireless Technologies

- Module 14: Comparing and Contrasting WAN Technologies

- Module 15: Using Remote Access Methods

- Module 16: Identifying Site Policies and Best Practices

CompTIA
Network+

What is it?

CompTIA Network+ verifies that you have the essential knowledge and skills in networking to develop a career in IT infrastructure.

Why is it different?

- Unlike other vendor-specific networking certifications, CompTIA Network+ prepares you to support the network regardless of the platform. It forms the foundation you need before specialising in a vendor solution.
- CompTIA Network+ is the only industry certification that covers both wired and wireless networks.

About the exam

CompTIA Network+ validates the knowledge and skills needed to troubleshoot, configure, and manage wired and wireless networks found in companies around the world. Network+ certifies a professional-level understanding of emerging technologies including cloud and virtualisation technologies.

Network+ ensures an IT professional has the knowledge and skills to:

- Design and implement functional networks.
- Configure, manage, and maintain essential network devices.
- Use devices such as switches and routers to segment network traffic and create resilient networks.
- Identify benefits and drawbacks of existing network configurations.
- Implement network security, standards, and protocols.
- Troubleshoot network problems.
- Support the creation of virtualised networks.

What's in this Version?

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

- Critical security concepts to helping networking professionals work with security practitioners
- Key cloud computing best practices, including virtual switches, hypervisors, and virtual NICs, as well as typical service models
- Coverage of newer hardware and virtualisation techniques, including "white box switching" and Network Feature Virtualisation (NFV).
- Concepts, such as network virtualisation, disaster recovery, and device hardening to give individuals the combination of skills to keep the network resilient.

Network+

Exam #

N10-007

Release Date

March 2018

Languages

English

CE Required?
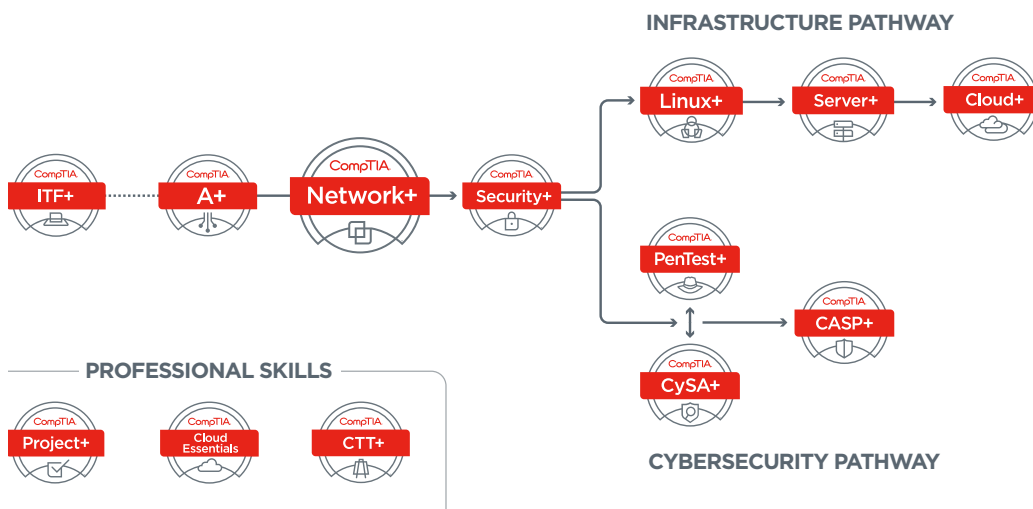
Yes

Accreditation

Accredited by ANSI to show compliance with the ISO 17024 Standard. It is also approved by the DoD for Directive 8140/8570.01-M.

How does Network+ Compare to Alternatives?

	Network+	CISCO	CISCO	Microsoft
Certification	**Network+**	**CCENT** **Not job-role based**	**CCNA** **Vendor-specific**	**MTA/Networking** **Fundamentals**
Performance-based Questions	Yes	Yes	Yes	No
Exam Length	1 exam with a maximum of 90 questions, 90 min.	1 exam, 90 min.	1 exam, 90 min.	1 exam, 50 min.
Experience Level	Entry	Entry	Early career	Student
Exam Focus	Job role based. Covers networking technologies across all vendors & solutions.	Not job role based. Entry level networking for Cisco products & solutions.	Job role based. Networking for Cisco products & solutions.	Not job role based. Minimal introduction to networking.
Pre-requisites	CompTIA A+ & a minumum of 9 months networking experience recommended	None	1-3 years experience	None

CompTIA Certification Pathway

CompTIA certifications align with the skillsets needed to support and manage IT infrastructure. Enter where appropriate for you. Consider your experience and existing certifications or course of study.

INFRASTRUCTURE PATHWAY

ITF+ ········ A+ —— Network+ —— Security+

Linux+ —— Server+ —— Cloud+

PenTest+

CASP+

CySA+

CYBERSECURITY PATHWAY

PROFESSIONAL SKILLS

Project+   Cloud Essentials   CTT+

Top Network+ Job Roles

- Network Field Technician
- Network Administrator
- IS Consultant
- Network Field Engineer
- Computer Technician
- Help Desk Technician
- System Engineer
- Network Support Specialist
- Network Analyst

Technical Areas Covered in the Certification

Networking Concepts **23**%

Infrastructure **18**%

Network Operations **17**%

Network Security **20**%

Network Troubleshooting & Tools **22**%

Organisations that Use Network +

- Apple
- Best Buy
- Blue Cross Blue Shield
- Canon
- Cisco
- Dell
- HP
- Intel
- Konica Minolta
- Motorola
- Ricoh
- Sharp
- Time Warner
- United States Department of Defense
- Verizon
- Xerox

Research and Statistics

Job Growth

12% job growth expected for Network & Computer Systems Administrators, 2012 – 2022, according to the *BLS*.

Salary Snapshot

Average salary for a Network+ certified IT professional is about **£37,500**[1]

Industry Shortage

28% of organisations say they have a **shortage of network security specialists**.

"Today's IT professionals must understand how the fundamentals of networking integrate into emerging technologies such as cloud, virtual networking, and software defined networking. The CompTIA Network+ is a globally recognised certification which provides a foundation for IT professional looking to validate their networking knowledge and skills."

Joshua Clough, Technical Solution Manager, IBM

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Learn with CompTIA
Official CompTIA Content is the only study material exclusively developed by CompTIA for the CompTIA certification candidate; no other content library covers all exam objectives for all certifications. CompTIA eBooks and CertMaster Products have been developed with our Official CompTIA Content to help you prepare for your CompTIA certification exams with confidence. Learners now have everything they need to learn the material and ensure they are prepared for the exam and their career.

Whether you are just starting to prepare and need comprehensive training with CertMaster Learn, need a final review with CertMaster Practice, or need to renew your certification upon expiration with CertMaster CE, CertMaster's online training tools have you covered.

✳ What is a Performance Certification?
CompTIA performance certifications validate the skills associated with a particular job or responsibility. They include simulations that require the test taker to demonstrate multi-step knowledge to complete a task. CompTIA has a higher ratio of these types of questions than any other IT certifying body.

"...firms are seeking these masters-of-all-things-networking because networks have become increasingly complicated as technology has grown and advanced."

Why it Pays to Be a Network Engineer, **Robert Half Staffing**

In order to lay the foundation for today's smart and connected manufacturing plant, you must first build a reliable, predictable and secure network. Building a network with those dimensions begins with foundational knowledge and you gain that foundational knowledge by leveraging CompTIA and the Network+ certification."

Dwight Thomas, Jr., Sr. Consultant, Network Security, Burwood Group

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