Network+ Certified Professionals are Trusted Managers of Secure and Efficient IT Networks

The new CompTIA Network+ (N10-009) has been revamped to address the evolving landscape of IT networking, encompassing the most sought-after skills in response to contemporary challenges, network optimization, hybrid infrastructures, and more. With Network+, candidates will master the fundamental abilities required to excel in their roles and capture the attention of potential employers. Network+ lays the groundwork for a rewarding career, which is why it is the preferred choice for foundational networking skills across various job roles in the industry.

CompTIA Network+ prepares candidates with the skills needed to design, configure, manage, secure and troubleshoot networks, ensuring smooth operation and efficiency in critical positions such as junior network administrator, systems administrator and Network Operations Center (NOC) Technician.

The certification exam covers:

• Establishing network connectivity by deploying wired and wireless devices.

• Explaining the purpose of documentation and maintain network documentation.

• Configuring common network services.

• Basic data-center, cloud and virtual networking concepts.

• Monitoring network activity and troubleshoot performance and availability issues.

• Implementing network security hardening techniques.

• Managing, configuring and troubleshooting network infrastructure.

CompTIA
Network+

Exam Objectives Comparison

The following table aligns exam objectives from N10-009 to N10-008 for comparison. Skills are aligned by best match.

N10-009	N10-008 Equivalent	Mapping
1.1 Explain concepts related to the Open Systems Interconnection (OSI) reference model.	1.1 Compare and contrast the Open Systems Interconnection (OSI) model layers and encapsulation concepts.	Maps
1.2 Compare and contrast networking appliances, applications, and functions.	2.1 Compare and contrast various devices, their features, and their appropriate placement on the network.	Maps
1.3 Summarize cloud concepts and connectivity options.	1.8 Summarize cloud concepts and connectivity options.	Maps
1.4 Explain common networking ports, protocols, services, and traffic types.	1.5 Explain common ports and protocols, their application, and encrypted alternatives.	Maps
1.5 Compare and contrast transmission media and transceivers.	1.3 Summarize the types of cables and connectors and explain which is the appropriate type for a solution	Maps
1.6 Compare and contrast network topologies, architectures, and types.	1.2 Explain the characteristics of network topologies and network types.	Maps
1.7 Given a scenario, use appropriate IPv4 network addressing.	1.4 Given a scenario, configure a subnet and use appropriate IP addressing schemes.	Maps
1.8 Summarize evolving use cases for modern network environments.	N/A	New Content
2.1 Explain characteristics of routing technologies.	2.2 Compare and contrast routing technologies and bandwidth management concepts.	Maps
2.2 Given a scenario, configure switching technologies and features.	2.3 Given a scenario, configure and deploy common Ethernet switching features.	Maps
2.3 Given a scenario, select and configure wireless devices and technologies.	2.4 Given a scenario, install and configure the appropriate wireless standards and technologies.	Maps
2.4 Explain important factors of physical installations.	N/A	New Content
3.1 Explain the purpose of organizational processes and procedures.	3.2 Explain the purpose of organizational documents and policies.	Maps
3.2 Given a scenario, use network monitoring technologies.	3.1 Given a scenario, use the appropriate statistics and sensors to ensure network availability.	Maps
3.3 Explain disaster recovery (DR) concepts.	3.3 Explain high availability and disaster recovery concepts and summarize which is the best solution.	Maps
3.4 Given a scenario, implement IPv4 and IPv6 network services.	1.6 Explain the use and purpose of network services.	Gap
3.5 Compare and contrast network access and management methods.	4.4 Compare and contrast remote access methods and security implications.	Maps
4.1 Explain the importance of basic network security concepts.	4.1 Explain common security concepts.	Maps
4.2 Summarize various types of attacks and their impact to the network.	4.2 Compare and contrast common types of attacks.	Maps
4.3 Given a scenario, apply network security features, defense techniques, and solutions.	4.3 Given a scenario, apply network hardening techniques.	Maps

N10-009	N10-008 Equivalent	Mapping
5.1 Explain the troubleshooting methodology.	5.1 Explain the network troubleshooting methodology.	Maps
5.2 Given a scenario, troubleshoot common cabling and physical interface issues.	5.2 Given a scenario, troubleshoot common cable connectivity issues and select the appropriate tools.	Maps
5.3 Given a scenario, troubleshoot common issues with network services.	5.5 Given a scenario, troubleshoot general networking issues.	Maps
5.4 Given a scenario, troubleshoot common performance issues.	5.2 Given a scenario, troubleshoot common cable connectivity issues and select the appropriate tools.	Maps
5.4 Given a scenario, troubleshoot common performance issues.	5.4 Given a scenario, troubleshoot common wireless connectivity issues.	Maps
5.5 Given a scenario, use the appropriate tool or protocol to solve networking issues.	5.3 Given a scenario, use the appropriate network software tools and commands.	Maps