# CompTIA Network+ Course Specifications and Overview

31 January – 4 February 2027
Doha (Qatar)



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**Ref:** 3255502_198604 **Date:** 31 January – 4 February 2027 **Location:** Doha (Qatar) **Fees:** 4900 GBP

## Introduction

Computer networks have become a core foundation for modern organizations across both public and private sectors. Financial systems, government platforms, internal communications, and digital services all rely on stable and well-managed network infrastructures. This reality has increased the demand for professionals who understand how networks operate, how they are secured, and how issues are resolved. The CompTIA Network+ course addresses this need by providing a vendor-neutral and practical foundation in networking concepts.

This course is designed for a broad professional audience in the Middle East and North Africa region. It targets early- and mid-career employees, technical and non-technical professionals, team leaders, and managers who require a solid understanding of networking fundamentals. It is also relevant for professionals working in oil and gas, banking and financial services, telecommunications, government entities, human resources, and project management.

The practical value of the CompTIA Network+ course lies in its focus on real-world networking knowledge. Participants gain the ability to understand network structures, manage basic operations, recognize security risks, and communicate effectively with technical teams. The knowledge gained can be applied directly within the workplace and supports informed technical and managerial decision-making.

## Course Objectives

The CompTIA Network+ course aims to build a strong and practical foundation in computer networking. By the end of the course, participants will be able to achieve the following objectives.

- Understand fundamental networking concepts and terminology.
- Identify different types of networks and their use cases.
- Recognize key network components and their functions.
- Apply basic principles of network design.
- Understand how data is transmitted across networks.
- Analyze common network performance and connectivity issues.
- Identify core principles of network security.
- Build foundational knowledge aligned with a globally recognized certification.



## Course Outlines

### Day One: Networking Fundamentals and Communication Concepts

- Introduction to computer networks and their role in organizations.
- Overview of different network types and coverage scopes.
- Basic principles of device-to-device communication.
- Understanding data transmission processes.
- Introduction to transmission media and connectivity options.
- Discussion of practical examples from real work environments.

### Day Two: Network Components and Infrastructure

- Identification of core networking devices and their roles.
- Understanding how devices connect and interact within a network.
- Introduction to servers and their function in network operations.
- Fundamentals of wireless networking.
- Principles of basic network layout and structure.
- Practical exercises on interpreting and drawing network diagrams.

### Day Three: Communication Protocols and Addressing

- Understanding the purpose of communication protocols.
- Overview of how data flow is managed and controlled.
- Introduction to device addressing within networks.
- Understanding address allocation and segmentation concepts.
- Differentiating between internal and external addressing.
- Practical exercises related to address calculation and organization.

### Day Four: Network Security and Troubleshooting

- Identification of common network threats and risks.
- Principles of protecting network environments.
- Overview of security controls and protection mechanisms.
- Introduction to systematic network troubleshooting approaches.
- Analysis of frequent connectivity and performance issues.
- Application of structured methods to resolve network problems.



### Day Five: Practical Application and Final Review

- Comprehensive review of all course topics.
- Execution of an end-to-end network scenario.
- Analysis of a real organizational networking case.
- Linking theoretical knowledge with practical application.
- Assessment of understanding through practical activities.
- Summary of key concepts and exam preparation guidance.

## Why Attend This Course: Wins & Losses!

- Globally recognized professional certification foundation.
- Suitable for beginners with no prior networking experience.
- Comprehensive coverage of essential networking concepts.
- Supports career development in information technology roles.
- Enhances understanding of organizational digital infrastructure.
- Knowledge applicable directly to workplace environments.
- Improves communication with technical and infrastructure teams.
- Serves as a foundation for advanced technical certifications.

## Conclusion

The CompTIA Network+ course provides a structured and practical introduction to computer networking for professionals seeking a clear and reliable foundation. The course content progresses logically from basic concepts to applied understanding, ensuring accessibility for beginners while maintaining professional relevance.

Through this structured approach, participants gain insight into how networks support organizational operations, service continuity, and digital transformation initiatives. The course avoids unnecessary technical complexity while delivering knowledge that is directly applicable in real work environments.

**Overall, CompTIA Network+ serves as a solid entry point into the networking field and a valuable knowledge base for both technical professionals and decision-makers. It supports long-term skill development, informed leadership, and improved organizational performance in an increasingly connected world.**

