

INTENDED AUDIENCE

This course is intended for IT professionals with a basic knowledge of computer hardware, software, and operating systems who wish to increase their knowledge and understanding of networking concepts and acquire the required skills to prepare for a career in network support or administration, or who wish to prepare for the CompTIA Network+ certification (ExamN10-008).

PREREQUISITES

Before attending this course, delegates must:

- Hold the CompTIA A+ certification or:
- Have at least 9 to 12 months of networking experience

COURSE OBJECTIVES

In this course, delegates will describe the major networking technologies and systems of modern networks, and configure, manage, and troubleshoot modern networks. In addition, delegates will be able to:

- Identify basic network theory concepts and major network communications methods
- Describe bounded network media
- Describe unbounded network media
- Identify the major types of network implementations
- Identify TCP/IP addressing and data delivery methods
- Analyse routing and switching technologies
- Identify the components of a TCP/IP implementation
- Analyse network security
- Implement network security
- Identify the components of a WAN implementation.
- Identify the components used in cloud computing and virtualization

COURSE CONTENT

Lesson1: Network Theory

Lesson 2: Bounded Network Media

Lesson3: Unbounded Network Media

Lesson4: Network Implementations

Lesson 5: TCP/IP Addressing and Data Delivery

Lesson6: Routing and Switching

Lesson 7: TCP/IP Implementation

Lesson8: Network Security Analysis Lesson9: Network Security Implementation

Lesson10: WAN Infrastructure

Lesson11: Cloud and Virtualization Techniques

Lesson12: Remote Networking

Lesson13: Network Management Lesson14: Troubleshooting Network Issues

ASSOCIATED CERTIFICATION AND EXAM

This course will prepare delegates to write the CompTIA Network+ (N10-008) exam.