



REAL WORLD
TECHNOLOGY TRAINING & SOLUTIONS
"Training You Can Really Use"

CompTIA® Network+®

Duration: 5 Days

Method: Instructor-Led Training (ILT) | Live Online Training

Certification: *CompTIA Network+ —*
Exam: *N10-007 / N10-008*

Course Description

This course builds on participants' existing user-level knowledge and experience with personal computer operating systems and networks. It presents the fundamental skills and concepts that participants will need to use on the job in any type of networking career.

Target Audience

This course is intended for:

- IT Professionals such as:
 - Network Administrators
 - Network Technicians
 - Network Installers
 - Help Desk Technicians
 - IT Cable Installers
- Persons who wish to prepare for the certification exam.

Prerequisites

To attend this course, candidates must have:

- Obtained the *CompTIA A+* certification or have 9-12 months of IT administration knowledge and experience.
- Knowledge of basic network terminology and functions such as Ethernet, TCP/IP, switches, routers.
- The ability to configure and support PC, laptop, mobile (smartphone/tablet), and print devices.
- The ability to configure and manage users, groups, and shared resources in a simple SOHO network.
- Understanding of the use of basic access control measures, such as authentication, security policy, encryption, and firewalls.



Microsoft Partner

Tri7 Business Centre, Unit 7, 7 Ivy Green Crescent, Kingston 5, Jamaica, W.I.

Tel: 876-978-1107 / 876-978-1486

WhatsApp: 876-978-9353

E-Mail: training@RWTTTS.com | **Website:** www.RWTTTS.com





REAL WORLD
TECHNOLOGY TRAINING & SOLUTIONS
"Training You Can Really Use"

Exam Details

Exam Code:	• N10-007 / N10-008
Length of Exam:	• 90 Minutes
Number of Questions:	• Maximum of 90 questions
Passing Score:	• 720 (on a scale of 100-900)
Question Format:	• Multiple Choice & Performance-Based

Course Objectives

Upon successful completion of this course, attendees will be able to:

- Identify basic network theory concepts and major network communications methods.
- Describe bounded network media.
- Identify unbounded network media.
- Identify the major types of network implementations.
- Identify TCP/IP addressing and data delivery methods.
- Implement routing technologies.
- Identify the major services deployed on TCP/IP networks.
- Identify the infrastructure of a WAN implementation.
- Identify the components used in cloud computing and virtualization.
- Describe basic concepts related to network security.
- Prevent security breaches.
- Respond to security incidents.
- Identify the components of remote network implementation.
- Identify the tools, methods, and techniques used in managing a network.
- Describe troubleshooting of issues on a network.



Microsoft Partner

Tri7 Business Centre, Unit 7, 7 Ivy Green Crescent, Kingston 5, Jamaica, W.I.

Tel: 876-978-1107 / 876-978-1486

WhatsApp: 876-978-9353

E-Mail: training@RWTTTS.com | **Website:** www.RWTTTS.com





REAL WORLD
TECHNOLOGY TRAINING & SOLUTIONS
"Training You Can Really Use"

Course Topics

Module 1: Local Area Networks

- Topologies and the OSI Model
- Key Features of Networks
- Network Topologies
- The OSI Model
- Physical Layer
- Data Link Layer
- Network Layer
- Transport Layer
- Upper Layers
- OSI Model Summary

Module 2: IP Addressing

- Internet Protocol
- IPv4
- IPv4 Address Structure
- Subnet Masks
- IP Routing Basics
- ipconfig / ifconfig
- ICMP and ping

Module 3: Internetworking

- Routing
- Routing Basics
- Routing Algorithms and Metrics
- Dynamic Routing Protocols
- Administrative Distance and Route Redistribution
- IPv4 and IPv6 Internet Routing
- High Availability Routing
- Installing and Configuring Routers
- Routing Troubleshooting Tools

Module 4: Applications and Security

- Applications and Services
- TCP/IP Services
- HTTP and Web Servers
- SSL / TLS and HTTPS
- Email (SMTP / POP / IMAP)
- Voice Services (VoIP and VTC)
- Real-time Services Protocols
- Quality of Service
- Traffic Shaping
- Bottlenecks and Load Balancing
- Multilayer Switches

Module 5: Operations and Infrastructure

- Network Site Management
- Network Cabling Solutions
- Distribution Frames
- Change and Configuration Management
- Network Documentation and Diagrams
- Labelling
- Physical Security Devices
- Business Continuity and Disaster Recovery
- Network Link Management
- Power Management
- Backup Management

LABS INCLUDED



Microsoft Partner

Tri7 Business Centre, Unit 7, 7 Ivy Green Crescent, Kingston 5, Jamaica, W.I.

Tel: 876-978-1107 / 876-978-1486

WhatsApp: 876-978-9353

E-Mail: training@RWTTTS.com | **Website:** www.RWTTTS.com

