THE LEARNING DEVELOPMENT GROUP

Certificate: CompTIA® Network+

CompTIA® Certification

SAQA ID:	**NA**
NQF Level:	**NA**
Credits:	**NA**

Introduction

This broad certificate prepares you for the Network+ CompTIA certified exams. You will cover essential theory and practise and be guided via facilitated training sessions through sample assessments, questions and practical exercises so that you are well-prepared for the exam.

CompTIA Network+ verifies that you have the essential knowledge and skills in networking to develop a career in IT infrastructure. It also validates the knowledge and skills needed to troubleshoot, configure, and manage wired and wireless networks found in companies throughout the world. Network+ certifies a professional-level understanding of emerging technologies including cloud and virtualization technologies.

Learning Outcomes

On completion you will be able 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 virtualized networks, and

- You will have learnt methods of recall and retention to prepare for the exam.

Entry Requirements

- Nine to 12 months practical IT experience in a networking environment.

- CompTIA A+ Core Series 220-1001 & 220-1002, or

- NC: IT: Technical Support, Level 5, SAQA ID: 48573 or equivalent.

- Access to a PC, software and the internet.

Target Audience

The course is aimed at professionals who intend developing a career in IT infrastructure including troubleshooting, configuring, and managing networks.

On completion of certification, job roles delegates will be qualified to fulfil include network administrators, IS consultants and network field engineers.

Course Delivery & Assessment

We use in-classroom, virtual classroom and blended interactive facilitated learning delivery methods to embed skills and to prepare you for the Network+ certification exam.

You will have access to the following:

- The Official CompTIA Network+ Printed Student Guide

- CompTIA Network+ Labs

- CompTIA Network+ Exam Practice

- CompTIA Network+ Certification Exam Vouchers

You will need to pass a CompTIA Network+ exam with the following details:

- Code: N10-007

- Description: : CompTIA Network+ N10-007 has been updated and reorganised to address the current networking technologies with expanded coverage of several domains by adding: Critical security concepts to helping networking professionals work with security practitioners, key cloud computing best practices and typical service models, coverage of newer hardware and virtualization techniques and concepts to give individuals the combination of skills to keep a network resilient.

- Questions: maximum of 90 questions per exam

- Types of question: multiple choice(single and multiple response), drag and drop and performance-based.

- Length of exam: 90 minutes per exam

- Passing Score: 720 (on a scale of 100-900)

Course **Content**

Certificate: CompTIA® Network+
Accreditation Body: CompTIA®

SAQA ID: NA | Learning Programme ID: NA
NQF Level: NA | Credits : NA
EXAM ID: N10-007

Module 1: Local Area Networks
- Unit 1: Topologies and the OSI Model
- Unit 2: Ethernet
- Unit 3: Hubs, Bridges, and Switches
- Unit 4: Infrastructure and Design
- Unit 5: Policies and Best Practices

Module 2: IP Addressing
- Unit 1: Internet Protocol
- Unit 2: IPv4 Addressing
- Unit 3: IPv6 Addressing
- Unit 4: DHCP and APIPA

Module 3: Internetworking
- Unit 1: Routing
- Unit 2: TCP and UDP
- Unit 3: Name Resolution and IPAM
- Unit 4: Monitoring and Scanning
- Unit 5: Network Troubleshooting

Module 4: Applications and Security
- Unit 1: Applications and Services
- Unit 2: Virtualization, SAN, and Cloud Services
- Unit 3: Network Security Design
- Unit 4: Network Security Appliances
- Unit 5: Authentication and Endpoint Security

Module 5: Operations and Infrastructure
- Unit 1:Network Site Management
- Unit 2: Installing Cabled Networks
- Unit 3: Installing Wireless Networks
- Unit 4: Installing WAN Links

Option A: Full Package
Facilitator-led training sessions. Printed Student Guide. Interactive CompTIA Labs. CertMaster Practise Exam session. CompTIA N+ exam voucher for N10-007 exam.

Option B: Full Package Excluding Exam
Facilitator-led training sessions. Printed Student Guides. Interactive CompTIA Labs.

Option C: Exam Only
CertMaster Practise Exam session. CompTIA Network+ exam vouchers for N10-007 exam.

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