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# CompTIA Network+

(Exam Code : N10-008)

## **Course Objective :**

CompTIA Network+ validates the technical skills needed to securely establish, maintain and troubleshoot the essential networks that businesses rely on.

CompTIA Network+ **N10-008** has been updated and reorganized to address the current networking technologies with expanded coverage of several domains :

1. More emphasis on software-defined networking, ensuring that candidates understand network integrations and the cutting-edge technologies being used in deployments
2. Emerging wireless standards and technologies are covered to allow businesses flexibility and maximal security when deploying networks
3. Network security has been streamlined to focus on the critical aspects of hardening networks against malicious attacks and the secure execution of network deployments to protect against unintended data breaches

## **Prerequisite:**

9 to 12 months of IT work experience but not compulsory.

## **Certificate Of Attendance:**

E-Certificate Of Attendance will be awarded to participants completing the course achieving minimum 75% attendance.

## **Training Duration:**

Full-time: 5 Weekdays / Time : 9.30am – 5.30pm

## **Course & Exam Fee :**

Course Fee : S\$1999

Regn Fee : S\$50

All fees subject to prevailing GST. Course fee excludes CompTIA Exam.

Regn fee is waived for 3 or more sign-up.

Please contact our Customer Service Team @ 6333-4843 for more assistance.

## **Training Methodology & Materials:**

- Practical hands-on sessions to enhance security concept.
- Well-designed lab sessions to enhance further understanding of the courseware.

## DETAILED COURSE OUTLINE

The table below lists the domains measured by this examination and the extent to which they are represented. CompTIA Network+ exams are based on these objectives.

Domain	% of Examination
1.0 Networking Fundamentals	24%
2.0 Network Implementations	19%
3.0 Network Operations	16%
4.0 Network Security	19%
5.0 Networking Troubleshooting	22%
<b>Total</b>	<b>100%</b>

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## **Detailed Course Outline**

### **1.0 Networking Fundamentals**

- 1.1 Compare and contrast the Open Systems Interconnection (OSI) model layers and encapsulation concepts
- 1.2 Explain the characteristics of network topologies and network types
- 1.3 Summarize the types of cables and connectors and explain which is the appropriate type for a solution
- 1.4 Configure a subnet and use appropriate IP addressing schemes
- 1.5 Explain common ports and protocols, their application, and encrypted alternatives
- 1.6 Explain the use and purpose of network services
- 1.7 Explain basic corporate and datacenter network architecture
- 1.8 Summarize cloud concepts and connectivity options

### **2.0 Network Implementations**

- 2.1 Compare and contrast various devices, their features, and their appropriate placement on the network
- 2.2 Compare and contrast routing technologies and bandwidth management concepts
- 2.3 Configure and deploy common Ethernet switching features
- 2.4 Install and configure the appropriate wireless standards and technologies

### **3.0 Network Operations**

- 3.1 Use appropriate statistics and sensors to ensure network availability
- 3.2 Explain the purpose of organizational documents and policies
- 3.3 Explain high availability and disaster recovery concepts and summarize which is the best solution

### **4.0 Network Security**

- 4.1 Explain common security concepts
- 4.2 Compare and contrast common types of attacks
- 4.3 Apply network hardening techniques
- 4.4 Compare and contrast remote access methods and security implications
- 4.5 Explain the importance of physical security

### **5.0 Networking Troubleshooting**

- 5.1 Explain the network troubleshooting methodology
- 5.2 Troubleshoot common cable connectivity issues and select the appropriate tools
- 5.3 Use appropriate network software tools and commands
- 5.4 Troubleshoot common wireless connectivity issues
- 5.5 Troubleshoot general networking issues