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# CompTIA Network+

(Exam Code : N10-007)

## Course Objective :

The CompTIA Network+ certification is an internationally recognized validation of the technical knowledge required of foundation-level IT network practitioners. Participants will be taught the knowledge and skills required to troubleshoot, configure, and manage common network wireless and wired devices, establish basic network design and connectivity, understand and maintain network documentation, identify network limitations and weaknesses, and implement network security, standards, and protocols.

CompTIA Network+ **N10-007** has been updated and reorganized to address the current networking technologies with expanded coverage of several domains by adding Critical security concepts, Key cloud computing best practices and New hardware and virtualization techniques.

## Prerequisite:

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

## Certificate Of Attendance:

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 GST 7%. Course fee excludes CompTIA Exam.  
Regn fee is waived for 3 or more sign-up. We offer group discount for 3 or more sign-up. Please contact our Customer Service Team @ 6333-4843 for 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 Concepts                  | 23%              |
| 2.0 Infrastructure                       | 18%              |
| 3.0 Network Operations                   | 17%              |
| 4.0 Network Security                     | 20%              |
| 5.0 Networking Troubleshooting and Tools | 22%              |
| <b>Total</b>                             | <b>100%</b>      |

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## Detailed Course Outline

### **1.0 Networking Concepts**

- 1.1 Explain the purposes and uses of ports and protocols
- 1.2 Explain devices, applications, protocols and services at their appropriate OSI layers
- 1.3 Explain the concepts and characteristics of routing and switching
- 1.4 Configure the appropriate IP addressing components
- 1.5 Compare and contrast the characteristics of network topologies, types and technologies
- 1.6 Implement the appropriate wireless technologies and configurations
- 1.7 Summarize cloud concepts and their purposes
- 1.8 Explain the functions of network services

### **2.0 Infrastructure**

- 2.1 Deploy the appropriate cabling solutions
- 2.2 Determine the appropriate placement of networking devices on a network and install/configure them
- 2.3 Explain the purposes and use cases for advanced networking devices
- 2.4 Explain the purposes of virtualization and network storage technologies
- 2.5 Compare and contrast WAN technologies

### **3.0 Network Operations**

- 3.1 Documentation and diagrams to manage the network
- 3.2 Compare and contrast business continuity disasters recovery concepts
- 3.3 Explain common scanning, monitoring and patching processes and summarize their expected outputs
- 3.4 Remote access methods
- 3.5 Identify policies and best practices

### **4.0 Network Security**

- 4.1 Purposes of physical security devices
- 4.2 Authentication and access controls
- 4.3 Secure a basic wireless network
- 4.4 Summarize common networking attacks
- 4.5 Implement network device hardening
- 4.6 Common mitigation techniques and their purposes

### **5.0 Networking Troubleshooting and Tools**

- 5.1 Network troubleshooting methodology
- 5.2 Use appropriate tool
- 5.3 Troubleshoot common wired connectivity and performance issues
- 5.4 Troubleshoot common wireless connectivity and performance issues
- 5.5 Troubleshoot common network service issues