

# CompTIA Network+

## Network+ N10-004 Exam Preparation

Networking • Durasi: **5 Hari** • Course Code: **NT-1501**

### Deskripsi

Sertifikasi Network+ adalah sertifikasi yang menguji keahlian dan pengetahuan dalam bidang jaringan komputer, seperti misalnya manajemen jaringan, instalasi, pengoperasian, maintenance dan troubleshooting. Konsep dasar dalam jaringan komputer juga mutlak harus dikuasai, seperti misalnya infrastruktur jaringan, teknologi jaringan, prinsip perancangan berikut sistem pengkabelan dan testing tools. Training ini merupakan tahap persiapan untuk mengikuti ujian sertifikasi internasional CompTIA Network+ 2009 track N10-004.

### Tujuan Training

- ▶ Memberikan pemahaman serta konsep dasar bagi peserta dalam bidang jaringan komputer.
- ▶ Mempersiapkan peserta untuk mengikuti ujian sertifikasi internasional CompTIA Network+ track N10-004.

### Prasyarat

Mengenal konsep dasar pengoperasian komputer.

### Target Peserta

Semua orang yang hendak maupun yang sudah berkarir dalam bidang IT.

### Tinjauan Materi

- ▶ Network Fundamentals:  
Network Element ; Network Models ; Network Topologies ; Network Types
- ▶ Network Media:  
Cables and Connectors Overview ; Media Issues ; Communication Mode (Simplex, Half-Duplex, Full-Duplex) ; Cabling ; Cable Types and Standards ; Cable Management ; LAN Technologies and Media Standards ; Connectors
- ▶ Network Devices:  
Repeaters ; Hubs ; Bridges ; Multistation Access Units ; Switches ; The Modem and Other Adapters ; Channel Service Unit/Data Service Unit (CSU/DSU) ; Network Interface Cards ; Routers ; Firewall ; Proxy Server (Caching Appliances) ; Intrusion Detection System (IDS) ; Other Devices and Technologies
- ▶ Wireless Networking:  
Radio Frequency (RF) and Antenna ; Wireless Standards ; Wireless Networking Security
- ▶ Communication Reference Model:  
OSI Reference Model ; DoD Model
- ▶ IP Addressing and Routing:  
IP version 4 ; IP version 6 ; Routing Protocol
- ▶ TCP/IP Applications:  
Transport Layer Protocols
- ▶ Network Naming:  
Domain Name System (DNS) ; Name Resolution ; Security ; Security Threats ; Threat Mitigations ; Authentication
- ▶ Troubleshooting:  
A Troubleshooting Methodology ; Using the OSI Model ; Checking Physical and Logical Indicators ; Physical Issues ; Logical Issues ; Performance Issues and Optimization ; Performance Monitoring ; High-Availability Concerns ; Network Tools ; Command Line Interface (CLI) Tools ; Troubleshooting Strategies

### Training Lanjutan yang Disarankan

- ▶ NT-1401: Interconnecting Cisco Network Devices - Part 1 (ICND1)
- ▶ NT-1402: Interconnecting Cisco Network Devices - Part 2 (ICND2)
- ▶ NT-1403: Designing Cisco Network
- ▶ SC-1501: CompTIA Security+