COMPTIA NETWORK+

Our Learning Exclusive

- Custom exam prep software and materials
- Exam delivery in classroom with 95% success
- Course specific thinQtank® Learning publications to promote a fun exciting learning
- Extended hours of training including immersive hands-on exercises
- WE DO NOT "TEACH THE TEST" We always deliver valuable hands-on experience
- Receive all reading material and study guides when you register
- All courses taught by expert network professionals

Course Duration

- Five days of instructor-led training
- 60% lecture, 40% demonstration labs

Prerequisites

- CompTIA A+ or equivalent knowledge
- CompTIA recommends (but does not require) 9 months of network-related IT experience.

Target Audience

- IT personnel who need a solid foundation in networking
- Managers and supervisors who must oversee network-related activities
- Individuals interested in pursuing the CompTIA Network+ certification exam N10-007

Exam Information

- N10-008 – Network+ Exam

Delivery Methods

- Instructor-Led Training
- Immersive Live-Online Training
- On-Site and Custom Delivery

Exclusive Learning Package

- Virtual Machine Build packed with tools and labs
- Network Emulation Software
- Network+ Video Course
- 200+ videos contained in this product provide students more than 17 hours of instruction
- Print and Digital Courseware

Course Overview

thinQtank® Learning is offering an industry unique five-day training camp in which students can receive the CompTIA Network+ certification. As with all of our CompTIA Training Experiences, exams are delivered in the classroom.

CompTIA® Network+ covers the configuration, management, and troubleshooting of common wired and wireless network devices. Also included are emerging technologies such as unified communications, mobile, cloud, and virtualization technologies.

What students will learn in this course:

- Fundamental networking concepts, such as protocol reference models, network devices and theory, network topologies, and network services WAN technologies including ISDN, Frame Relay, PPP, MPLS, Metro-Ethernet, and more
- How to work with different network cables and connectors
- Network design considerations
- Switch and wireless LAN configuration
- IPv4 and IPv6 addressing
- Routing fundamentals including RIP, OSPF, IS-IS, and BGP routing protocols; HSRP and VRRP; route aggregation; and routing metrics
- Unified communications, Voice over IP (VoIP), video, and QoS
- Virtualized devices, storage area network technologies (SAN), and cloud technologies
- Network security attacks, vulnerabilities, policies, defenses, and counter-measures
- Network monitoring tools and analysis, configuration management, and best practices
- Network troubleshooting

Course Objectives

- 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

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Course Modules

1 Local Area Networks
- Topic A: Topologies and the OSI Model
- Topic B: Ethernet
- Topic C: Hubs, Bridges and Switches
- Topic D: Infrastructure and Design
- Topic E: Policies and Best Practices

2 IP Addresses
- Topic A: Internet Protocol
- Topic B: IPv4 Addressing
- Topic C: IPv6 Addressing
- Topic D: DHCP and APIPA

3 Internetworking
- Topic A: Routing
- Topic B: TCP and UDP
- Topic C: Name Resolution and IPAM
- Topic D: Monitoring and Scanning
- Topic E: Troubleshooting

4 Applications and Security
- Topic A: Applications and Services
- Topic B: Virtualization, SAN and Cloud Services
- Topic C: Network Security Design
- Topic D: Network Security Appliances
- Topic E: Authentication and Endpoint Security

5 Operations and Infrastructure
- Topic A: Network Site Management
- Topic B: Installing Cabled Networks
- Topic C: Installing Wireless Networks
- Topic D: Installing WAN Links
- Topic E: Configuring Remote Access

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