



Network+ Certification Summary Outline

Microsoft
GOLD CERTIFIED
Partner

IT Training with CCD makes a world of difference!

COURSE OVERVIEW:



The CompTIA Network+ certification is the sign of a competent networking professional. It is an international, vendor-neutral certification that proves a technician's competency in managing, maintaining, troubleshooting, installing and configuring basic network infrastructure.

>> from the **CompTIA Web Site**

COST OF COURSE:

- See one of our consultants
- Includes: All Reference Manuals and Materials
Network+ Certification Exams Vouchers
- **Upon successful completion of this course and examinations students will have achieved the Network+ globally recognized certification.**

CCD EDUCATION CENTRES OFFERS:

- Preparation for all the exams
- Supplementary lab time available
- Hands-on Instruction
- Fully Instructor-led program delivered by experienced, Certified Instructors

All Courses taught at CCD will include topics as they relate to the certification exams.

1737 Walker Rd., Windsor, Ont., N8W 3P2, Ph. 519.252.1008, Fax 519.252.3164 www.ccd.on.ca





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Please Note that the classroom instructions might not be in the following order.

Network Technologies

- 1.1 Explain the function of common networking protocols
- 1.2 Identify commonly used TCP (Transmission Control Protocol) and UDP (User Datagram Protocol) default ports
- 1.3 Identify address formats
- 1.4 Given a scenario, evaluate the proper use of the following addressing technologies and addressing schemes
- 1.5 Identify common IPv4 (Internet Protocol version 4) and IPv6 (Internet Protocol version 6) routing protocols
- 1.6 Explain the purpose and properties of routing:
- 1.7 Compare the characteristics of wireless communication standards

Network Media and Topologies

- 2.1 Categorize standard cable types and their properties
- 2.2 Identify common connector types
- 2.3 Identify common physical network topologies
- 2.4 Given a scenario, differentiate and implement appropriate wiring standards
- 2.5 Categorize WAN technology types and properties
- 2.6 Categorize LAN technology types and properties
- 2.7 Explain common logical network topologies and their characteristics
- 2.8 Install components of wiring distribution

Network Devices

- 3.1 Install, configure, and differentiate between common network devices
- 3.2 Identify the functions of specialized network devices
- 3.3 Explain the advanced features of a switch
- 3.4 Implement a basic wireless network

Network Management

- 4.1 Explain the function of each layer of the OSI (Open Systems Interconnection) model
- 4.2 Identify types of configuration management documentation
- 4.3 Given a scenario, evaluate the network based on configuration management documentation
- 4.4 Conduct network monitoring to identify performance and connectivity issues using the following
- 4.5 Explain different methods and rationales for network performance optimization
- 4.6 Given a scenario, implement the following network troubleshooting methodology
- 4.7 Given a scenario, troubleshoot common connectivity issues and select an appropriate Solution

Network Tools

- 5.1 Given a scenario, select the appropriate command line interface tool and interpret the output to verify functionality
- 5.2 Explain the purpose of network scanners
- 5.3 Given a scenario, utilize the appropriate hardware tools

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Network Security

- 6.1 Explain the function of hardware and software security devices
- 6.2 Explain common features of a firewall
- 6.3 Explain the methods of network access security
- 6.4 Explain methods of user authentication
- 6.5 Explain issues that affect device security
- 6.6 Identify common security threats and mitigation techniques