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What is CompTIA Network+?

CompTIA Network+ is a vendor-neutral certification which is acknowledged globally as a validation of fundamental networking expertise. It proves to any professional and/or business that those who have achieved this certification have the essential understanding and skills required to design, configure, manage and identify problems with both wired and wireless networks.

CompTIA is a global non-profit trade association providing CompTIA courses for professionals working in the IT industry and organisations which analyse the industry.

CompTIA Network+ Course Objectives

This CompTIA Network+ training course lasts for a total of 4 days and teaches you the knowledge required to pass the related N10-006 exam.

At the end of completing the CompTIA Network+ training course delegates will:

- Have gained a great knowledge around networking
- Be able to assist in diagnosing networking problems
- Be a fundamental part of any networking team

Who is the CompTIA Network+ course for?

This training course is recommended for any individual who aspires to achieve a career in networking or anybody who wishes to improve their current networking skills.

Why should I take the CompTIA Network+ course?

By taking the CompTIA Network+ training course you will gain the ability to accelerate your IT professional career and gain a competitive edge within the IT industry. The CompTIA Network+ validates your networking expertise and proves to any professional and/or business that those who have achieved this certification have the essential understanding and skills required to design, configure, manage and identify problems with both wired and wireless networks.

What does the CompTIA Network+ course cover?

The course covers essential knowledge on what is required to plan, manage and maintain both wireless and wired networks. You will gain the knowledge support networking or become a network engineer.

CompTIA Network+ Exam Information

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- The exam is not included when you purchase this training course, it must be booked separately through Pearson Vue.
- The CompTIA N+ exam covers several aspects of networking including newer technologies like cloud and its use within networking.
- The exam is a multiple choice paper with some drag and drop and performance-based questions as well. The exam lasts for a total of 90 minutes with a pass mark of 720/900.

Course Content

- Definition of a Network
- LANs, WANs and the Internet
- Functions of a Network
- Overview of Network Components
- Networking Models
- Definitions

Cards and Cabling

- Network Adapter Cards
- Configuring and Installing a Network Card
- Diagnosing Network Card Failure
- Network Cabling
- Twisted Pair Cable
- Other Cable Types
- LAN Topologies
- Installing Cabling
- Crimping Cables
- Testing Cables
- Building a BUS Network and Testing Network Communications

Networking Technologies

- Introduction to the OSI Model
- Brief Outline of the 7 Layers - Name and Function
- Network Card Drivers
- Installing and Configuring Network Card Drivers
- Bindings
- 802 Standards
- Ethernet
- Token Ring
- Other Technologies

Protocols

- Protocols
- TCP/IP
- IPX/SPX
- NetBEUI

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- Protocol Configuration Problems

Extending Networks

- Repeaters and Hubs
- Bridges
- Routers and Bridge routers
- Network Addresses
- Routing Tables

TCP/IP

- The Development of TCP/IP
- The TCP/IP Protocol
- TCP/IP as an Open Standard
- IP Addresses
- Configuring and Testing IP Addresses
- PING, WINIPCFG and IPCONFG
- Viewing the ARP Cache
- Network Addresses
- Creating Subnets
- Modifying the Subnet Mask
- Default Gateway

Client / Server Communication Layers

- Server Operating Systems
- Comparison of Microsoft Windows NT, Novell Netware and Unix
- Workstation Clients
- Microsoft Windows 9x, Microsoft Windows NT and Novell Clients
- Mapping Network Drives

Remote Connectivity

- Requirements For Remote Connectivity
- Public Networks
- Dial Up Lines
- ISDN

Network Security

- User Level Security
- Share Level Security
- Adding Users
- Password Principles
- Encryption
- Firewalls

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On this CompTIA Network+ course you will gain the knowledge to become a network engineer or anyone who has to support with networking. It allows you to maintain and set up wired or wireless networks.