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## CompTIA Network+ Support Skills

**Duration: 5 Days**    **Course Code: G005**

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### Overview:

This course will teach you the fundamental principles of installing, configuring, and troubleshooting network technologies and help you to progress a career in network administration. It will prepare you to take the CompTIA Network+ exam by providing 100% coverage of the objectives and content examples listed on the syllabus. Study of the course can act as groundwork for more advanced training. The CompTIA Network+ credential proves knowledge of networking features and functions and is the leading vendor-neutral certification for networking professionals. Worldwide nearly 500,000 individuals are CompTIA Network+ certified and 91% of hiring managers indicate CompTIA certifications are valuable in validating IT employee skills and expertise. Dell, HP, Sharp, Xerox and Ricoh are among the companies that employ Network+ certified staff and it is supported by top organizations, such as Apple, Best Buy, Canon, Cisco, Intel and U.S. Navy.

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### Target Audience:

CompTIA Network+ is aimed at IT professionals with job roles such as network administrator, network technician, network installer, help desk technician and IT cable installer.

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### Objectives:

- Describe the features of different network protocols and products for LANs, WANs, and wireless networks.
  - Understand the functions and features of TCP/IP addressing and protocols.
  - Identify threats to network resources and appropriate security countermeasures.
  - Install and configure network cabling and appliances.
  - Manage, monitor, and troubleshoot networks.
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### Prerequisites:

**Regardless of whether you have passed A+, it is recommended that you have the following skills and knowledge before starting this course:**

- Configure and support PC, laptop, mobile (smartphone / tablet), and print devices.
  - Know basic network terminology and functions (such as Ethernet, TCP/IP, switches, routers).
  - Configure and manage users, groups, and shared resources in a simple SOHO network.
  - Understand the use of basic access control measures, such as authentication, security policy, encryption, and firewalls.
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## Content:

### Module 1: Topologies and Infrastructure

- Topologies and the OSI Model
- Ethernet
- Hubs, Bridges, and Switches
- Infrastructure and Design

### Module 2: Addressing and Routing

- Internet Protocol
- IPv4 Addressing
- DHCP and APIPA
- IPv6 Addressing
- Routing

### Module 3: Troubleshooting and Management

- Transport Protocols
- Name Resolution
- Troubleshooting
- Applications and Services
- Management and Monitoring
- Cloud and Virtualization

### Module 4: Installation

- Network Sites
- Installing Cable
- Installing Wireless Networks
- WAN Technologies
- Remote Access

### Module 5: Security

- Vulnerabilities and Threats
- Security Appliances
- Authentication
- Incident Response
- Change and Configuration Management

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## Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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