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CompTIA PLA Network+

Hybrid Delivery Overview

CompTIA Network+

CompTIA Network+ is a premier industry certification for validating knowledge of essential networking tools and concepts.

CompTIA Network+ validates the core skills necessary to establish, maintain, troubleshoot and secure networks in any environment, preparing you for a rewarding career in networking and cybersecurity. To attain the Network+ certification, learners will be required to pass a 90-minute online exam (maximum of 90 multiple choice and performance-based questions)

The CompTIA Network+ certification verifies that the successful candidate has the knowledge and skills required to:

- Establish network connectivity by deploying wired and wireless devices.
- Understand and maintain network documentation.
- Understand the purpose of network services.
- Understand basic datacentre, cloud and virtual networking concepts.
- Monitor network activity, identifying performance and availability issues.
- Implement network hardening techniques.
- Manage, configure, and troubleshoot network infrastructure

Hybrid Delivery (Online Tutor Led and E-Learning Self Study):

- Induction session delivered remotely via Microsoft Teams.
- 2x Half day knowledge and skills workshops via Microsoft Teams.
- Approximately 37 hours online e-learning and self-study.
- **Examination:** Half day tutor led exam revision and preparation followed by exam.
- **E-Learning:** Supported by self-study e-learning and practice labs.
- **Prerequisite:** CompTIA recommends the equivalent to a minimum of 9-12 months of hands-on experience working in a junior network administrator/network support technician job role.

What Skills Will You Learn?

Networking Concepts

Explain basic networking concepts, including the OSI model, network appliances, applications, cloud concepts, connectivity options and more.

Network Implementations

Understand routing technologies and important factors of physical installations; configure switching technologies and wireless devices.

Network Operations

Monitor and optimise networks to ensure business continuity.

Network Security

Understand security concepts and network attacks to harden networks against threats.

Network Troubleshooting

Explain the troubleshooting methodology and address common issues related to networking, including cable, connectivity, and software problems.

Syllabus

Topics covered:

Session	Method of Learning	Content
1 30/1/25 2 hours	Online tutor led session	• Induction – Intro to the programme, registration and CompTIA systems, processes and online practice system
February 2025	Online E-learning via CompTIA	• The OSI Model and its relationship to SOHO equipment • Exploring the equipment • Understanding Routers • Understanding Switches • Understanding Cabling • Network Protocols and Traffic • Tools for managing networks (Lab) • Troubleshooting Ethernet Networks • Capturing Network Traffic (Lab) • IPv4 Addressing and Subnetting

		• Configuring IPv4 Addresses (Lab) • ARP and Ports • Analyse ARP Traffic (Lab) • Use Tools to Test IP Configuration (Lab) • Supporting IPv4 and IPv6 Networks • Configure IPv6 Static Addressing (Lab) • DHCP and scoping • Troubleshoot IP Networks (Lab)
Progress Review 1 End of February	First check in via Microsoft Teams	• Online meeting with ALD support tutor to check progress and provide assistance as required
March 2025	Online E-Learning via CompTIA	• Configuring and • Troubleshooting Routers • Configure Static Routing (Lab) • Configure Dynamic Routing (Lab) • Explaining Network Topologies and Types • Explaining Transport Layer Protocols • Explaining Network Services • Explaining Network Applications • Use Network Scanners (Lab) • Analyse a DHCP Server Configuration (Lab) • Analyse a DNS Server Configuration (Lab) • Ensuring Network Availability • Analyse Network Performance (Lab)

		• Verify Service and Application Configuration (Lab)
Workshop 1 20/3/25 9:30 – 1:30	Tutor Led Workshop via Microsoft Teams	• Review of network fundamentals, switching, routing and IP addressing
April 2025	Online E-Learning via CompTIA	• Network Security Concepts • Configure Secure Access Channels (Lab) • Configure SNMP and Syslog Collection (Lab) • Supporting and Troubleshooting Secure Networks • Analyse Application Security Configurations (Lab) • Explaining Organisational and • Physical Security Concepts • Configure Secure Access Channels (Lab) • Configure SNMP and Syslog Collection (Lab) • Deploying and Troubleshooting Wireless Networks • Comparing WAN Links and Remote Access Methods
Progress Review 2 End of April	Second check in via Microsoft Teams	• Online meeting with ALS support tutor to check progress and provide assistance as required
May 2025	Online E-Learning via CompTIA	• Configure a NAT Firewall (Lab) • Configure Remote Access (Lab) • Configure Port Security (Lab)

		• Explaining Disaster Recovery and High Availability Concepts • Analyse an On-Path Attack (Lab) • Troubleshoot Service and Security Issues (Lab) • Applying Network Hardening Techniques • Summarising Cloud and Datacentre Architecture • Develop Network Documentation (Lab) • Backup and Restore Network Device Configurations (Lab)
Workshop 2 22/5/25 9:30-1:30	Tutor Led Workshop via Microsoft Teams	• Review of network security, WIFI, remote access and network management
June 2025	Online E-Learning and practice testing via CompTIA	• Revision and Practice Questions via CertMaster • CompTIA Network+ Exam
Progress Review 3 End of June 2025	Third check in via Microsoft Teams	• Online meeting with ALS support tutor to check progress and provide assistance as required
July 2025 Exam Prep Day 24/7/25 9:30-1:30	• Online tutor led session • Online via CompTIA • Online via Pearson Vue	• Exam Prep • Revision and Practice Questions via CertMaster • CompTIA Network+ Exam

Interested in our CompTIA PLA Network+?

Apply now or if you have any further questions or enquiries about the programme, please contact us at **info@alstraining.org.uk**