



CompTIA PLA Network+

Hybrid Delivery Overview

CompTIA Network+

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

Contents

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.
- Live Tutor led knowledge and skills workshops via Microsoft Teams.
- Approximately 31 hours of directed learning.
- **Examination:** Tutor led exam revision and preparation followed by exam.
- **E-Learning:** Supported by self-study e-learning and practice labs.

Pre-course Requirements

Prospective learners should have CompTIA A+ Certification and a minimum of 9-12 months of hands-on experience working in a junior network administrator/network support technician job role.

Delivery Schedule – Week 1 - 18

| Week 1 – Module 1: Explaining Network Topologies | |
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| Monday | <p>Self-Directed Study Lesson 1.1 Networking Overview (50 mins)</p> <p>Live Evening Sessions Introduction/Welcome (60 mins)</p> |
| Tuesday | <p>Self-Directed Study Lesson 1.2 OSI Model Concepts (55 mins)</p> <p>Live Evening Sessions Intro to OSI Model/Network Topologies (60 mins)</p> |
| Wednesday | <p>Self-Directed Study Lesson 1.3 SOHO Networks (80 mins)</p> |
| Thursday | <p>Self-Directed Study Lesson 1.4 Troubleshooting Methodology (70 mins)</p> |
| Friday | <p>Self-Directed Study Lesson 1.5 Module Quiz (20 mins)</p> |
| Week 2 – Module 2: Supporting Cabling and Physical Installation | |
| Monday | <p>Self-Directed Study Lesson 2.1 Ethernet (55 mins)</p> <p>Live Evening Sessions Creating a Network/Troubleshooting Networks 1 (120 mins)</p> |
| Tuesday | <p>Self-Directed Study Lesson 2.2 Copper Cables and Connectors (70 mins)</p> |
| Wednesday | <p>Self-Directed Study Lesson 2.3 Wiring Implementation (80 mins)</p> |
| Thursday | <p>Self-Directed Study Lesson 2.4 /2.5 Fibre Optic Cables/Physical Installation Factors (60 mins/100 mins)</p> |
| Friday | <p>Self-Directed Study</p> |

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| | Lesson 2.6/2.7 Cable Troubleshooting/ Module Quiz (100 mins/30 mins) |
| Week 3 – Module 3: Configuring Interfaces and Switches | |
| Monday | Self-Directed Study Lesson 3.1 Network Interfaces (50 mins) Live Evening Sessions Module 1-2 Review/Q&A (90 mins) TCP/IP Model Overview (30 mins) |
| Tuesday | Self-Directed Study Lesson 3.2 Ethernet Switches (55 mins) |
| Wednesday | Self-Directed Study Lesson 3.3 Switch Port Configuration (80 mins) |
| Thursday | Self-Directed Study Lesson 3.4 Switch Troubleshooting (70 mins) |
| Friday | Self-Directed Study Lesson 3.5/3.6 Module Quiz/Checkpoint Review (20 mins/20 mins) |
| Week 4 – Module 4: Configuring Interfaces and Switches | |
| Monday | Self-Directed Study Lesson 4.1 IP Basics (60 mins) Live Evening Sessions Creating a Network 2/ Troubleshooting Networks 2 (120 mins) |
| Tuesday | Self-Directed Study Lesson 4.2 IP v4 Addressing (50 mins) |
| Wednesday | Self-Directed Study Lesson 4.3 IP v4 Subnetting (50 mins) |
| Thursday | Self-Directed Study Lesson 4.5 IP Version 6 (80 mins) |
| Friday | Self-Directed Study |

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| | Lesson 4.4/4.6/4.7 IP Troubleshooting/ Tools/ Module Quiz (70mins/30mins/30mins) |
| Week 5 – BREAK | |
| Week 6 – Module 5: Configuring Routing and Advanced Switching | |
| Monday | Self-Directed Study Evaluation Quiz (60 mins) Live Evening Sessions Module 3/4 Review/Q&A/Quiz Review (60 mins) Troubleshooting Networks 3 (60 mins) |
| Tuesday | Self-Directed Study Lesson 5.1 Routing Technologies (70 mins) |
| Wednesday | Self-Directed Study Lesson 5.2/5.3 Dynamic Routing Technologies/Network Address Translation (40 mins/40 mins) |
| Thursday | Self-Directed Study Lesson 5.4/5.5/5.6 Firewalls/Enterprise/Network Topologies/VLANs (20 mins/30 mins/40 mins) |
| Friday | Self-Directed Study Lesson 5.7/5.8 Routing Troubleshooting/Module Quiz (30 mins/30 mins) |
| Week 7 – Module 6: Implementing Network Service | |
| Monday | Self-Directed Study Lesson 6.1 Transport Application Layer Protocols (70 mins) Live Evening Sessions Module 3/4 Review/Q&A/Quiz Review (60 mins) OSI Model – Transport Layer/Application Layer (60 mins) |
| Tuesday | Self-Directed Study Lesson 6.2 DHCP (60 mins) |
| Wednesday | Self-Directed Study |

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| | Lesson 6.3/6.4 APIPA and SLAAC/DHCP Relay (40 mins/50 mins) |
| Thursday | Self-Directed Study Lesson 6.5/6.6 DNS/DNS Troubleshooting (100 mins/40 mins) |
| Friday | Self-Directed Study Lesson 6.7/6.8 Module Quiz/Checkpoint Review (30 mins/30 mins) |
| Week 8 – Module 7: Explaining Application Services | |
| Monday | Self-Directed Study Lesson 7.1 Application Security (60 mins) Live Evening Sessions Module 5/6 Review/Q&A (60 mins) SQL Injection Concepts (60 mins) |
| Tuesday | Self-Directed Study Lesson 7.2 Web, File, Print and Database (80 mins) |
| Wednesday | Self-Directed Study Lesson 7.3 Email and Voice Services (60 mins) |
| Thursday | Self-Directed Study Lesson 7.4 Disaster Recovery and High Availability (80 mins) |
| Friday | Self-Directed Study Lesson 7.5 Module Quiz (30 mins) |
| Week 9 – Module 8: Supporting Network Management | |
| Monday | Self-Directed Study Lesson 8.1 Policies and Documentation (80 mins) Live Evening Sessions Policies, Processes, Procedures/Intro to Wireshark (120 mins) |
| Tuesday | Self-Directed Study Lesson 8.2 Host Delivery and Monitoring (60 mins) |

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| Wednesday | Self-Directed Study Lesson 8.3/8.4 SNMP/Event Management (40 mins/40 mins) |
| Thursday | Self-Directed Study Lesson 8.5 Packet Capture and Analysis (60 mins) |
| Friday | Self-Directed Study Lesson 8.6/8.7 Traffic Monitoring/Module Quiz (60 mins/30 mins) |
| Week 10 – BREAK | |
| Week 11 – Module 9: Explaining Network Security Concepts | |
| Monday | Self-Directed Study Evaluation Quiz (60 mins) Live Evening Sessions Module 7/8 Review/Q&A/Quiz Review (60 mins) Information Security Overview Social Engineering Concepts (60 mins) |
| Tuesday | Self-Directed Study Lesson 9.1/9.2 Security Concepts/ Threats and Attacks (40 mins/40mins) |
| Wednesday | Self-Directed Study Lesson 9.3/9.5 Spoofing Attacks/Social Engineering (40 mins/40 mins) |
| Thursday | Self-Directed Study Lesson 9.4 Rogue System Attacks (80 mins) |
| Friday | Self-Directed Study Module Quiz/Checkpoint Review (30 mins/30mins) |
| Week 12 – Module 10: Applying Network Security Features | |
| Monday | Self-Directed Study Lesson 10.1 Authentication (70 mins) Live Evening Sessions Capturing Network Traffic (60 mins) |

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| Tuesday | Self-Directed Study Lesson 10.2 Authorisation and Account Management (60 mins) |
| Wednesday | Self-Directed Study Lesson 10.3 Network Hardening (60 mins) |
| Thursday | Self-Directed Study Lesson 10.4 Switch Security (60 mins) |
| Friday | Self-Directed Study Lesson 10.5/10.6 Network Security Rule/Module Quiz (40 mins/30 mins) |
| Week 13 – Module 11: Supporting Network Security Design | |
| Monday | Self-Directed Study Lesson 11.1 Zone-based Security (60 mins) Live Evening Sessions Module 9/10 Review/Q&A (60 mins) Hacking IOT Devices (60 mins) |
| Tuesday | Self-Directed Study Lesson 11.2 Internet of Things (60 mins) |
| Wednesday | Self-Directed Study Lesson 11.3 Physical Security (60 mins) |
| Thursday | Self-Directed Study Lesson 12.1 Wireless Concepts (80 mins) |
| Friday | Self-Directed Study Lesson 11.4 Module Quiz (30mins) |
| Week 14 – Module 12: Configuring Wireless Networks | |
| Monday | Self-Directed Study Lesson 12.2 Enterprise Wireless Network Design (80 mins) Live Evening Sessions Wireless Attack Techniques (60 mins) |
| Tuesday | Self-Directed Study |

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| | Lesson 12.3 Wireless Security (80 mins) |
| Wednesday | Self-Directed Study Lesson 12.4 Wireless Troubleshooting (80 mins) |
| Thursday | Self-Directed Study Lesson 12.5 Module Quiz (30 mins) |
| Friday | Self-Directed Study Lesson 12.6 Checkpoint Review (30 mins) |
| Week 15 – BREAK | |
| Week 16 – Module 13: Comparing Remote Access Methods | |
| Monday | Self-Directed Study Evaluation Quiz (60 mins) Live Evening Sessions Module 11/12 Review/Q&A/Quiz Review (60 mins) Vulnerability Concepts (60 mins) |
| Tuesday | Self-Directed Study Lesson 13.1 WAN and Internet Connectivity (40 mins) |
| Wednesday | Self-Directed Study Lesson 13.2 VPNs (80 mins) |
| Thursday | Self-Directed Study Lesson 13.3 Remote Management (80 mins) |
| Friday | Self-Directed Study Lesson 13.4 Module Quiz (30 mins) |
| Week 17 – Module 14: Summarising Cloud Concepts | |
| Monday | Self-Directed Study Lesson 14.1 Datacentre and Storage Networks (60 mins) Live Evening Sessions Intro to Cloud Computing (60 mins) Cloud Computing Concepts (60 mins) |
| Tuesday | Self-Directed Study |

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| | Lesson 14.2 Cloud Concepts (60 mins) |
| Wednesday | Self-Directed Study Lesson 14.3 Cloud Networking (60 mins) |
| Thursday | Self-Directed Study Lesson 14.4 Modern Network Environments (60 mins) |
| Friday | Self-Directed Study Lesson 14.5 Module Quiz (30 mins) |
| Week 18 – EXAM WEEK | |
| Monday | Self-Directed Study Practice Test (60 mins) Live Evening Sessions Module 13/14 Review/Q&A (120 mins) |
| Tuesday | Self-Directed Study Mock Test (120 mins) |
| Wednesday | Self-Directed Study Practice Test (60 mins) Live Evening Sessions Network+ Course Review (120 mins) |
| Thursday | Self-Directed Study Practice Test (60 mins) Live Evening Sessions Open Q&A (60 mins) |
| Friday | CompTIA Exam |