

HCNP (Huawei Certified Network Professional)

Kuala Lumpur (Malaysia)

23 June - 4 July 2025

UK Training

PARTNER



HCNP (Huawei Certified Network Professional)

Code: IT28 From: 23 June - 4 July 2025 City: Kuala Lumpur (Malaysia) Fees: 7900 Pound

Introduction

In the rapidly evolving landscape of networking technology, professionals require advanced skills and knowledge to design, implement, and manage complex networks effectively. The Huawei Certified Network Professional HCNP certification equips individuals with the expertise needed to navigate modern networking challenges and harness the latest technologies to optimize network performance, security, and reliability. This advanced course on HCNP is designed to provide participants with comprehensive insights, practical skills, and hands-on experience to excel in the field of network engineering and administration.

Objectives

- Equip participants with in-depth knowledge of Huawei networking technologies, products, and solutions, including routers, switches, and network security devices.
- Provide practical insights into network design principles, protocols, and architectures to enable participants to plan and implement scalable and resilient networks.
- Develop proficiency in configuring and troubleshooting Huawei network devices, protocols, and services to optimize network performance and reliability.
- Explore advanced topics in network security, including threat detection, prevention, and mitigation strategies, to safeguard network infrastructure and data.
- Foster expertise in emerging technologies such as cloud computing, software-defined networking SDN, and network virtualization to adapt to evolving network requirements.
- Enhance participants' ability to analyze network performance metrics, identify bottlenecks, and implement optimization strategies to ensure efficient resource utilization.
- Provide hands-on experience with Huawei network simulation tools and real-world scenarios to reinforce theoretical concepts and practical skills.
- Prepare participants for the HCNP certification exam through comprehensive coverage of exam topics, practice tests, and exam-taking strategies.

Course Outlines

Day 1

Introduction to Huawei Networking Technologies

- Overview of Huawei networking products and solutions
- Fundamentals of routing and switching technologies
- Introduction to Huawei certification paths and HCNP exam requirements



Day 2

Network Design Principles and Architectures

- Design considerations for scalable and resilient networks
- Campus and data center network architectures
- Network virtualization and software-defined networking SDN concepts

Day 3

Huawei Routing Technologies

- Configuration and management of Huawei routers
- Routing protocols: OSPF, BGP, and MPLS
- Advanced routing techniques and optimization strategies

Day 4

Huawei Switching Technologies

- Configuration and management of Huawei switches
- VLANs, trunking, and spanning tree protocol STP
- High availability and redundancy features in Huawei switches

Day 5

Network Security Fundamentals

- Threat landscape and common network security threats
- Huawei firewall and intrusion prevention systems IPS
- Security best practices for network infrastructure protection

Day 6

Advanced Network Security

- Advanced threat detection and mitigation techniques
- Secure access control and authentication mechanisms
- Encryption and VPN technologies in Huawei networks

Day 7

Network Performance Optimization

- Network performance monitoring and analysis tools
- Quality of Service QoS mechanisms for traffic management
- Optimization techniques for improving network efficiency

Day 8



Cloud Computing and Virtualization

- Overview of cloud computing concepts and Huawei cloud solutions
- Network virtualization technologies: VXLAN, NFV
- Integration of cloud services with Huawei networks

Day 9

Hands-on Lab Exercises and Case Studies

- Practical configuration and troubleshooting exercises using Huawei network simulation tools
- Real-world case studies and scenarios to reinforce learning

Day 10

Exam Preparation and Practice Tests

- Review of key concepts and exam topics
- Practice tests and mock exams to assess readiness for the HCNP certification exam
- Exam-taking strategies and tips for success



Blackbird Training Cities

Europe

izmir



Podgorica (Montenegro)



Stockholm (Sweden)



Lyon (France)



Copenhagen (Denmark)



Bordeaux (France)



Annecy (France)



Oslo (Norway)



Edinburgh (UK)



Glasgow (Scotland)



Malaga (Spain)



London (UK)



Istanbul (Turkey)



Amsterdam (Netherlands)



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Manchester (UK)



Milan (Italy)

USA & Canada



Los Angeles (USA)



Florida (USA)



Online



Boston (USA)



Washington (USA)



Miami (USA)



New York (USA)



Toronto (Canada)



Blackbird Training Cities

Asia



Baku (Azerbaijan)



Maldives (Maldives)



Manila (Philippines)



Bali (Indonesia)



Bangkok (Tailand)



Beijing (China)



Moscow (Russia)
(Malaysia)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Dubai (UAE)



Kuala Lumpur



Jakarta (Indonesia)

Africa



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Marocco)



Nairobi (Kenya)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Refinement

Technical Courses

Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



International House 185 Tower Bridge
Road London SE1 2UF United Kingdom



+44 7401 1773 35
+44 7480 775526



training@blackbird-training.com



www.blackbird-training.com

UK Training

PARTNER

