

Network Management

London (UK)

21 - 25 April 2025

UK Training

PARTNER



Network Management

Code: IT28 From: 21 - 25 April 2025 City: London (UK) Fees: 5100 Pound

Introduction

Network Management is a critical discipline involving the administration, operation, and maintenance of network systems to ensure optimal performance, reliability, and security. This course provides a comprehensive understanding of the principles, protocols, and tools essential for effective network management. Participants will gain practical knowledge to apply best practices in areas such as fault management, configuration, accounting, performance, and security within the well-known FCAPS framework.

Course Objectives

By the end of this course, participants will be able to:

- Understand the fundamental concepts and architecture of network management.
- Identify and implement the five key functional areas of network management: Fault Management, Configuration Management, Accounting Management, Performance Management, and Security Management FCAPS.
- Utilize industry-standard protocols such as SNMP Simple Network Management Protocol and NetFlow for monitoring and managing networks.
- Apply best practices for configuring and managing network devices, including routers, switches, and firewalls.
- Leverage tools and techniques for network performance optimization and troubleshooting.
- Understand the role of Software-Defined Networking SDN and virtualization in modern network management.

Course Outlines

Day 1: Introduction to Network Management

- Overview of Networking Concepts and Architectures
- The OSI Model and TCP/IP Protocol Suite
- Introduction to Network Management Systems NMS
- The FCAPS Model: Fault, Configuration, Accounting, Performance, and Security Management

Day 2: Fault and Configuration Management

- Fault Management: Detection, Isolation, and Resolution
- Configuration Management: Device Configuration and Change Management
- Practical Exercise: Configuring SNMP on Network Devices

Day 3: Performance and Accounting Management



- Performance Management: Monitoring and Analysis Techniques
- Tools for Performance Measurement and Optimization
- Accounting Management: Usage Monitoring and Reporting

Day 4: Security Management and Advanced Topics

- Security Management: Threat Detection and Response
- Network Security Protocols and Best Practices
- Introduction to Software-Defined Networking SDN
- Virtualization in Network Management

Day 5: Practical Applications and Case Studies

- Case Studies on Network Management Challenges and Solutions
- Emerging Trends in Network Management Technologies

Why Attend This Course? Wins & Losses!

- Gain hands-on skills and knowledge in network management.
- Learn to apply the FCAPS framework for simplified network operations.
- Master the use of cutting-edge tools and protocols like SNMP and NetFlow.
- Develop the ability to troubleshoot and optimize network performance efficiently.
- Stay ahead with insights into modern technologies like SDN and virtualization.

Conclusion

This course is a unique opportunity for network professionals to enhance their skills and deepen their understanding of modern network management practices. By combining theoretical insights with practical applications, participants will be well-equipped to tackle current and future challenges in this ever-evolving field.

Don't miss out! join us and take your expertise in network management to the next level!



Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Anney (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)
(Netherlands)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

Africa



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Melbourne (Australia)
(Indonesia)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Pulau Ujong (Singapore)



Jakarta



Amman (Jordan)



Beirut (Lebanon)



Blackbird Training Cities

Asia



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



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 Elevation

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



BLACKBIRD
FOR TRAINING



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



+44 7401 1773 35
+44 7480 775526



Sales@blackbird-training.com



www.blackbird-training.com

