

Advanced professional course in Network

Dubai (UAE)

19 - 23 January 2025

UK Traininig

PARTNER



Advanced professional course in Network

Code: IT28 From: 19 - 23 January 2025 City: Dubai (UAE) Fees: 4600 Pound

Introduction

In today's digital age, designing computer networks is crucial for enabling organizations to achieve their business objectives efficiently and securely. The ability to craft robust, scalable, and innovative network architectures is essential for meeting the evolving demands of modern enterprises. This advanced course in network design is tailored to equip participants with the latest methodologies, technologies, and best practices in network architecture. Through a blend of theoretical learning and hands-on exercises, participants will gain the expertise needed to design cutting-edge networks that align with organizational goals and drive digital transformation.

Objectives

- Provide a comprehensive understanding of network design principles, methodologies, and frameworks.
- Equip participants with advanced skills in assessing organizational requirements, analyzing network traffic patterns, and designing scalable and resilient network architectures.
- Explore emerging technologies and trends in networking, including cloud computing, software-defined networking SDN, network virtualization, and the Internet of Things IoT, and their implications for network design.
- Foster proficiency in selecting and integrating networking technologies and protocols to optimize network performance, security, and reliability.
- Develop the ability to create detailed network design documentation, including network diagrams, topology maps, and configuration guidelines.
- Enhance knowledge of network design best practices, standards, and compliance requirements, including considerations for regulatory compliance and data privacy.
- Provide hands-on experience with network design tools, simulation software, and real-world case studies to reinforce theoretical concepts and practical skills.
- Prepare for professional certifications in network design, such as Cisco Certified Design Associate CCDA or Cisco Certified Design Professional CCDP, through comprehensive coverage of exam topics and practice tests.

Course Outlines

Day 1

- **Introduction to Network Design Principles**
 - Overview of network design methodologies and frameworks
 - Understanding organizational requirements and business goals
 - Principles of scalable, resilient, and secure network architectures

Day 2

- **Assessing Organizational Requirements**
 - Conducting needs analysis and requirements gathering



- Identifying business-critical applications and services
- Assessing network performance, capacity, and availability requirements

Day 3

- **Analyzing Network Traffic Patterns**
 - Traffic analysis techniques and tools
 - Predictive modeling for network capacity planning
 - Identifying bottlenecks and optimizing network performance

Day 4

- **Designing Campus and Data Center Networks**
 - Campus network design considerations and best practices
 - Data center network architectures: traditional vs. cloud-native
 - Integration of virtualization and cloud technologies in network design

Day 5

- **Designing Wide Area Networks WANs and Security**
 - WAN design principles and technologies
 - Selecting appropriate WAN connectivity options
 - Implementing security and Quality of Service QoS in WANs
 - Hands-on lab exercises and case studies to apply design principles and troubleshoot issues



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)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Pulau Ujong (Singapore)



Jakarta (Indonesia)



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

