

Professional Data Center Infrastructure

Amsterdam (Netherlands)

24 - 28 February 2025

UK Training

PARTNER



Professional Data Center Infrastructure

Code: IT28 From: 24 - 28 February 2025 City: Amsterdam (Netherlands) Fees: 4700 Pound

Introduction

The Professional Data Center Infrastructure course provides comprehensive training on the design, implementation, and management of data center infrastructure. In this course, participants will gain a deep understanding of the key components and best practices for building a reliable, scalable, and efficient data center.

Objectives

- Understand the fundamentals of data center infrastructure, including power, cooling, networking, and storage.
- Learn best practices for designing data centers that meet business requirements for availability, performance, and scalability.
- Gain knowledge of the latest technologies and trends in data center infrastructure, such as virtualization, cloud computing, and software-defined networking.
- Acquire skills in implementing and managing data center infrastructure components, including servers, storage systems, network devices, and environmental controls.
- Develop an understanding of data center monitoring, maintenance, and disaster recovery strategies to ensure continuous operations and minimize downtime.

Course Outline

Day 1

Introduction to Data Center Infrastructure

- Overview of data center infrastructure components
- Importance of data center design and planning
- Power and cooling requirements in data centers
- Networking infrastructure for data centers
- Storage systems and architectures

Day 2



Data Center Design and Implementation

- Design principles for high availability and scalability
- Rack and cabinet layout and organization
- Cabling and connectivity considerations
- Network design for data centers
- Storage design and implementation

Day 3

Data Center Technologies and Trends

- Virtualization in data centers
- Cloud computing and its impact on data center infrastructure
- Software-defined networking SDN
- Converged and hyper-converged infrastructure solutions
- Green data center initiatives and energy efficiency

Day 4

Data Center Operations and Management

- Data center monitoring and management tools
- Capacity planning and resource optimization
- Maintenance and troubleshooting best practices
- Data center security and access controls
- Disaster recovery and business continuity planning

Day 5

Emerging Technologies and Future Trends

- Edge computing and its impact on data centers
- Artificial intelligence and machine learning in data center operations
- Data center automation and orchestration
- Hybrid and multi-cloud strategies
- Data center sustainability and environmental considerations



Blackbird Training Cities

Europe



Zurich (Switzerland)



Stockholm (Sweden)



Lyon (France)



Copenhagen (Denmark)



Bordeaux (France)



Annecy (France)



Oslo (Norway)



Edinburgh (UK)



Glasgow (Scotland)



Malaga (Spain)



London (UK)



Istanbul (Turkey)



Amsterdam (Netherlands)
(Switzerland)



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Manchester (UK)

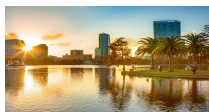


Milan (Italy)

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

