

## Professional Data Center Infrastructure

*Amman (Jordan)*

*9 - 13 February 2025*

UK Traininig

# PARTNER



# Professional Data Center Infrastructure

Code: IT28 From: 9 - 13 February 2025 City: Amman (Jordan) Fees: 3900 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 (Thailand)



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](mailto:training@blackbird-training.com)



[www.blackbird-training.com](http://www.blackbird-training.com)

UK Training

**PARTNER**

