

SQL Server High Availability & Disaster Recovery Mastery

IT & IT Engineering
Berlin (Germany)
30 Jun - 04 Jul 2025

UK Traininig

PARTNER



SQL Server High Availability & Disaster Recovery Mastery

Ref: 321638_142704 **Date:** 30 Jun - 04 Jul 2025 **Location:** Berlin (Germany) **Fees:** 4200 Euro

Course Description

This comprehensive 5-day course equips database professionals with advanced skills to design, implement, and manage high availability and disaster recovery solutions for SQL Server. Participants will gain hands-on experience with AlwaysOn Availability Groups, Failover Cluster Instances, and various replication techniques to ensure continuous database operations and minimize downtime in critical business environments.

Learning Objectives

- Understand SQL Server high availability and disaster recovery concepts and architectures
- Implement and manage AlwaysOn Availability Groups for enhanced database availability
- Configure and maintain Failover Cluster Instances for SQL Server
- Design and implement effective backup and recovery strategies
- Master various replication techniques for data distribution and disaster recovery

Course Modules

Day 1: Introduction to SQL Server High Availability and Disaster Recovery

- HA/DR concepts and terminology
- SQL Server HA/DR feature overview
- Assessing business requirements for HA/DR
- Planning HA/DR architectures

Day 2: Implementing AlwaysOn Availability Groups

- AlwaysOn Availability Groups architecture
- Configuring and managing availability groups
- Implementing read-scale availability groups
- Monitoring and troubleshooting availability groups

Day 3: Failover Cluster Instances and Windows Server Failover Clustering

- Failover Clustering concepts and architecture
- Installing and configuring a Failover Cluster Instance
- Managing and maintaining FCIs
- Implementing multi-subnet clustering

UK Training
PARTNER



Day 4: Backup and Recovery Strategies

- Designing effective backup strategies
- Implementing advanced backup techniques
- Point-in-time recovery and log shipping
- Database snapshots and recovery models

Day 5: Replication and Additional HA/DR Techniques

- SQL Server replication architecture and types
- Implementing transactional and merge replication
- Database mirroring and log shipping
- Combining HA/DR technologies for comprehensive solutions

Practical Wins for Participants

- Ability to design and implement robust HA/DR solutions for SQL Server environments
- Hands-on experience with configuring and managing AlwaysOn Availability Groups
- Proficiency in implementing and maintaining Failover Cluster Instances
- Skills to optimize backup and recovery strategies for minimal data loss and downtime

A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a silver knight behind it. In the background, there are concentric circles emanating from a point on the board.

UK Training
PARTNER

Blackbird training cities



Amman (Jordan)



Amsterdam (Netherlands)

Accra (Ghana)

Annecy (France)

Baku (Azerbaijan)

Bali (Indonesia)

Bangkok (Thailand)

Bangkok (Thailand)

Barcelona (Spain)

Batumi (Georgia)

Beijing (China)

Beirut (Lebanon)

Berlin (Germany)

Birmingham (UK)

Bordeaux (France)

Boston, Massachusetts (USA)

Brussels (Belgium)

Cairo (Egypt)

Cape Town (South Africa)

Casablanca (Morocco)

Cascais (Portugal)

Copenhagen (Denmark)

Doha (Qatar)

Dubai (UAE)

Düsseldorf (Germany)

UK Training
PARTNER

Blackbird Training Category



Human Resource



Audit & Quality Assurance



Finance, Accounting, Budgeting



Marketing, Sales, Customer Service



Secretary & Admin



Law and Contract Management



Project Management



IT & IT Engineering



Supply Chain & Logistics



Management & Leadership



Professional Skills



Oil & Gas Engineering



Health & Safety



Telecom Engineering



Hospital Management



Customs & Safety



Aviation



C-Suite Training



Agile and Refinement



Blackbird training Clients



MANNAI Trading
Company WLL,
Qatar



Alumina Corporation
Guinea



Booking.com
Netherlands



Oxfam GB International
Organization,
Yemen



Capital Markets
Authority,
Kuwait



Waltersmith Petroman Oil Limited
Nigeria



Qatar National Bank
(QNB),
Qatar



Qatar Foundation,
Qatar



AFRICAN UNION ADVISORY
BOARD ON CORRUPTION,
Tanzania



KFAS
Kuwait



Reserve Bank of
Malawi,
Malawi



Central Bank of Nigeria
Nigeria



Ministry of Interior
Kingdom of Saudi Arabia
KSA



Mabruk Oil Company
Libya



Saudi Electricity
Company,
KSA



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



General Organization for
Social Insurance
KSA



Defence Space Administration
Nigeria



National Industries
Group (Holding),
Kuwait



Hamad Medical
Corporation,
Qatar



USAID
Pakistan



STC Solutions,
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS
UN.



Authority for

UK Training
PARTNER



LONDON TRAINING PROVIDER



www.blackbird-training.com



training@blackbird-training.com



+44 7480 775526 / +44 7401 177335