

Mastering Database Replication: Strategies and Implementation

IT & IT Engineering
Maldives (Maldives)
08 - 12 Sep 2025

UK Traininig

PARTNER

A large, stylized image of chess pieces on a checkered board. In the foreground, a large gold king piece stands prominently. To its left, a silver pawn piece is visible. Further back, another silver pawn piece is on the board. The background features concentric circles emanating from behind the king piece, creating a sense of depth and focus.

Mastering Database Replication: Strategies and Implementation

Ref: 321447_140086 **Date:** 08 - 12 Sep 2025 **Location:** Maldives (Maldives) **Fees:** 4700 Euro

Course Description

This comprehensive 5-day course on Database Replication equips participants with the knowledge and skills to design, implement, and manage robust replication solutions. Covering various replication types, technologies, and best practices, the course provides hands-on experience in setting up and maintaining replicated environments across different database platforms.

Learning Objectives

- Understand the fundamental concepts and benefits of database replication
- Design and implement various replication topologies for different scenarios
- Configure and manage replication processes across multiple database platforms
- Troubleshoot common replication issues and optimize performance
- Develop strategies for disaster recovery and high availability using replication
- Implement best practices for security and data integrity in replicated environments

Course Modules

Day 1: Introduction to Database Replication

- Replication concepts and terminology
- Types of replication: snapshot, transactional, and merge
- Replication topologies and architectures
- Benefits and use cases for database replication

Day 2: Implementing Replication in SQL Server

- Setting up publishers, distributors, and subscribers
- Configuring snapshot replication
- Implementing transactional replication
- Managing merge replication
- Monitoring and maintaining SQL Server replication

Day 3: Oracle Database Replication Techniques

- Oracle GoldenGate architecture and components
- Configuring Oracle Data Guard
- Implementing Oracle Streams replication
- Advanced Oracle replication scenarios

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) on it. The text 'UK Training PARTNER' is overlaid on the right side of the board.

UK Training
PARTNER

Day 4: Cross-Platform and Cloud Replication Solutions

- Heterogeneous database replication strategies
- Cloud-based replication services AWS DMS, Azure Data Sync
- Implementing replication in distributed environments
- Real-time data integration and CDC techniques

Day 5: Replication Best Practices and Advanced Topics

- Performance tuning and optimization for replicated environments
- Security considerations in database replication
- Disaster recovery and high availability planning
- Troubleshooting complex replication scenarios
- Future trends in database replication technologies

Practical Wins for Participants

- Ability to design and implement robust replication solutions for various business needs
- Skills to optimize and troubleshoot replication processes, ensuring data consistency and availability
- Knowledge to leverage replication for effective disaster recovery and high availability strategies
- Expertise in cross-platform and cloud-based replication techniques for modern data environments

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The text 'UK Training PARTNER' is overlaid 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