

# Mastering Database Replication: Strategies and Implementation

IT & IT Engineering  
Lisbon (Portugal)  
08 - 12 Sep 2025

UK Traininig

# PARTNER

A close-up photograph of chess pieces on a checkered board. In the foreground, a large, ornate gold king piece stands prominently. To its left, a smaller silver pawn is visible. Further back, another silver pawn is positioned. The background features a series of concentric, light gray circles that create a sense of depth and focus on the king piece.

## Mastering Database Replication: Strategies and Implementation

**Ref:** 321447\_140075 **Date:** 08 - 12 Sep 2025 **Location:** Lisbon (Portugal) **Fees:** 4400 **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. 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  
Electricity Regulation, Oman

UK Training  
**PARTNER**



**LONDON TRAINING PROVIDER**



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



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



+44 7480 775526 / +44 7401 177335