Training Course:
Mastering Advanced Database Management for Senior Specialists

1 - 5 December 2025
Kuala Lumpur (Malaysia)
Royale Chulan Kuala Lumpur

Training Course:
Mastering Advanced Database Management for Senior Specialists

Training Course code: SC235575 From: 1 - 5 December 2025 Venue: Kuala Lumpur (Malaysia) - Royale Chulan Kuala Lumpur Training Course Fees: 6000 ⬜ Euro

Introduction

As data continues to be a vital asset for organizations, the role of advanced database management becomes increasingly critical in supporting decision-making, optimizing performance, and ensuring the security of sensitive information. The "Mastering Advanced Database Management for Senior Specialists" program is designed to provide experienced database professionals with the latest tools, techniques, and strategies required to manage complex databases at a senior level.

This program will cover advanced topics such as database architecture, performance tuning, high-availability solutions, security management, and database optimization for large-scale systems. Participants will also explore the latest trends in database technologies, including cloud databases, big data management, and database automation, ensuring they stay ahead in the ever-evolving database management landscape.

Objectives

- Master advanced techniques in database management, architecture, and performance optimization.

- Implement high-availability and disaster recovery solutions to ensure data integrity.

- Optimize databases for scalability and performance in large-scale environments.

- Explore database security best practices and data protection strategies.

- Understand the latest trends in cloud database management and big data solutions.

- Develop the ability to automate routine database management tasks using advanced tools.

Target Audience

- Senior database administrators DBAs and database specialists.

- IT managers and systems architects responsible for large database systems.

- Data scientists and analysts working with complex databases.

- Senior IT professionals involved in database management and security.

- Technical consultants specializing in database architecture and optimization.

Outlines

Day 1:

Advanced Database Architecture and Design

- Principles of advanced database architecture.

- Designing databases for scalability and performance.

- Managing complex relationships and normalization techniques.

- Case study: Optimizing database architecture for enterprise systems.

Day 2:

Performance Tuning and Optimization

- Database performance tuning: Best practices.

- Query optimization and indexing strategies.

- Managing database workloads and improving efficiency.

- Hands-on session: Optimizing queries for better performance.

Day 3:

High-Availability and Disaster Recovery

- Designing databases for high availability and failover.

- Implementing backup, replication, and recovery strategies.

- Managing disaster recovery and ensuring data integrity.

- Workshop: Setting up a high-availability database system.

Day 4:

Security Management in Databases

- Best practices for securing databases and protecting sensitive data.

- Implementing encryption, access control, and auditing.

- Managing vulnerabilities and database patching.

- Case study: Security management in a highly regulated industry.

Day 5:

Cloud Databases, Big Data, and Automation

- Exploring cloud database solutions and their advantages.

- Managing large datasets and big data technologies.

- Automating database management tasks using advanced tools.

- Future trends in database management: AI and machine learning in databases.

Registration form on the Training Course:
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