Introducing Microsoft SQL Server 2012 Training Course

23 - 27 Dec 2024
Casablanca

AGILE LEADERS
Training Center

Introducing Microsoft SQL Server 2012 Training Course

Ref.: 36171_253022 **Date:** 23 - 27 Dec 2024 **Location:** Casablanca **Fees:** 3300 **Euro**

Introducing Microsoft SQL Server Training Course Overview:

This comprehensive course provides an in-depth look into the world of Microsoft SQL Server 2012, specifically tailored to address the evolving needs of database professionals. It covers a variety of topics including SQL Server 2012 Editions, Database Administration Enhancements, and SQL Server Performance Upgrades. Participants will delve into advanced features like High-Availability SQL Server, SQL Server Disaster Recovery, and AlwaysOn Availability Groups. The course also emphasizes SQL Server Security Features and Management, alongside Columnstore Index SQL Server for optimized performance. SQL Server Scalability and Programmability are key areas, extending to Beyond-Relational SQL Server capabilities. Integration Services, Data Quality, and Master Data Services form the backbone of our data management discussions. Analysis Services, PowerPivot, Reporting Services, and advanced topics like SQL Server Data Visualization and Data Alerts are also prominently featured, ensuring a holistic understanding of SQL Server 2012.

Target Audience:

This course is ideal for Database Administrators, IT Professionals, Data Analysts, System Engineers, and Developers. They will find the sessions on SQL Server Security Features, High-Availability, and Disaster Recovery particularly beneficial. The course will also assist those aiming to upgrade their skills in SQL Server Performance, Scalability, and Data Quality Management.

Targeted Organizational Departments:

Departments like IT, Data Analytics, System Administration, and Development will benefit most. Key focuses for these departments include SQL Server Administration Enhancements, Security Management, and SQL Server Scalability, aiding in efficient database management and secure data handling.

Targeted Industries:

- Industries such as Finance
- Healthcare
- IT Services
- Retail
- and Government sectors
- where data security and management are crucial will greatly benefit. Topics like SQL Server Security, High Availability, Disaster Recovery, and Data Quality are particularly relevant, addressing specific industry challenges and regulatory requirements.

Course Offerings:

in the end of this course Participants will learn:

- Advanced Database Administration and SQL Server 2012 Editions
- Performance Tuning and Upgrades
- Implementing High-Availability Systems and Disaster Recovery Strategies
- Security Management and Advanced Security Features
- Scalability Solutions and Columnstore Index Optimization
- Enhancing SQL Server Programmability and Beyond-Relational Features
- Utilizing Integration Services, Data Quality Services, and Master Data Services
- Analysis Services, PowerPivot, and Reporting Services for advanced data handling
- Techniques in Data Visualization and Alert Management

Training Methodology:

This course employs a blend of theoretical and practical learning methods, including case studies, interactive sessions, and hands-on practice. Each module, such as SQL Server Performance Upgrades or High-Availability SQL Server, will include real-world scenarios and problem-solving exercises. Participants will engage in group work to explore SQL Server Security Features and Disaster Recovery, enhancing their collaborative skills. Feedback sessions will be integral, focusing on areas like SQL Server Scalability and Data Quality.

Course Toolbox:

The toolbox includes:

- Comprehensive Workbooks on SQL Server 2012 Editions and Administration
- Access to SQL Server for practical exercises
- Online Resources and Reading Materials on SQL Server Performance and Security
- Checklists for High-Availability and Disaster Recovery Planning
- Templates for SQL Server Security Management and Data Alert Systems

Course Agenda:

Day 1: Foundations and Enhancements in SQL Server 2012

- Topic 1: Introduction to SQL Server 2012 Editions and Engine Enhancements
- Topic 2: SQL Server 2012 Enhancements for Database Administrators
- Topic 3: Exploring Availability, Scalability, and Performance Enhancements
- Topic 4: Manageability and Security Enhancements in SQL Server 2012
- Topic 5: Delving into Programmability Enhancements
- Reflection & Review: Recap of SQL Server 2012's Core Enhancements and Editions

Day 2: Mastering High-Availability and Disaster Recovery

- Topic 1: SQL Server AlwaysOn: Understanding the Flexible and Integrated Solution
- Topic 2: Deep Dive into AlwaysOn Availability Groups
- Topic 3: Active Secondaries and their Role in High-Availability
- Topic 4: Exploring SQL Server 2012 Deployment on Windows Server Core
- Topic 5: Additional High-Availability and Disaster-Recovery Features
- Reflection & Review: Reviewing High-Availability and Disaster Recovery Strategies

Day 3: Performance, Scalability, and Security Focus

- Topic 1: Columnstore Index Overview: Transforming Data Storage and Access
- Topic 2: Best Practices for Implementing Columnstore Indexes
- Topic 3: Security Enhancements in SQL Server 2012
- Topic 4: Addressing New Authentication and Cryptography Changes
- Topic 5: Provisioning Enhancements and Advanced Permission Management
- Reflection & Review: Integrating Performance and Security Enhancements

Day 4: Exploring Programmability and Beyond-Relational Features

- Topic 1: Addressing the Pain Points of Using Beyond-Relational Paradigm
- Topic 2: FILESTREAM Enhancements and FileTable Implementation
- Topic 3: Utilizing Full-Text and Semantic Search for Data Insights
- Topic 4: Spatial Data Enhancements and Extended Events
- Topic 5: Integrating Beyond-Relational Features in Traditional Database Systems
- Reflection & Review: Summarizing Programmability and Beyond-Relational Enhancements

Day 5: Business Intelligence Development and Advanced Reporting

- Topic 1: Integration Services in SQL Server 2012: New Features and Developer Experience
- Topic 2: Embracing Data Quality Services for Improved Data Integrity
- Topic 3: Master Data Services: Configuration and Management Techniques
- Topic 4: Enhancements in Analysis Services and PowerPivot
- Topic 5: Advanced Reporting Services: Power View and Data Alerts
- Reflection & Review: Consolidating Business Intelligence and Reporting Capabilities

How This Course is Different from Other SQL Server Courses:

"Introducing Microsoft SQL Server Training Course" stands out by offering a comprehensive, updated curriculum covering SQL Server 2012's latest features. Unlike other courses, it dives deep into High-Availability solutions, Disaster Recovery planning, and the latest in Security Management. The course uniquely combines theoretical knowledge with practical, hands-on experience, especially in

areas like SQL Server Scalability and Performance Upgrades. The use of real-world case studies and interactive sessions makes it more engaging and relevant. Furthermore, the inclusion of advanced topics like SQL Server Data Visualization and Data Alert Management sets this course apart, ensuring participants are well-versed in the newest trends and technologies in SQL Server.

WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.

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Training Center

CONTACT US

UAE, Dubai Investment Park First

+971585964727
+447700176600

sales@agile4training.com

Gamified and
Interactive Training

We understand that training delivery can be challenging, both online and offline. To ensure engagement and achieve learning objectives, we have developed our own activities and collaborated with industry-leading solutions to gamify our training sessions. This approach increases interaction levels and guarantees effective learning outcomes.

Our Training
Cate gories

We cover a wide range of training categories to cater to different needs and interests

Branding, Marketing, Customer Relations, & Sales Programs
Finance and Accounting Programs
Human Resources Management Programs
Management & Leadership Programs

Political & Public Relations Programs
Project Management Programs
Quality & Process Management
Self-Development Programs

Join Agile Leaders today and embark on a transformative journey towards becoming a more agile and effective leader. Experience our customer-centric approach, actionable training, and guaranteed return on investment. Let us help you unleash your full potential in the dynamic business landscape.

Where to
Find Us

You can join our training programs at our centers located in

We also offer online training sessions through the Zoom platform.

Malaysia	Morocco	Spain	France	UK	Italy	Egypt	Turkey	Georgia	Azerbaijan	UAE
Kuala Lumpur	Casablanca	Barcelona	Paris	London	Rome	Cairo Sharm El-Sheikh	Istanbul	Tbilisi	Baku	Dubai

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