

Updating Your SQL Server 2005 Skills to SQL Server 2008

Duration: 5 days

Course Description: This course provides students with the knowledge and skills to upgrade their SQL Server 2005 skills to SQL Server 2008.

Audience: Intended for experienced SQL Server 2005 developers and database administrators interested in upgrading their skill set to SQL Server 2008.

Prerequisites: Students should have experience developing or administering SQL Server 2005 databases.

Topics:

MODULE 1: INTRODUCTION TO SQL SERVER 2008

- The Evolution of SQL Server
- Preparing for SQL Server 2008

Lab: Exploring SQL Server Books Online

- Reviewing the SQL Server Books Online Tutorials
- Reviewing SQL Server Books Online

MODULE 2: SQL SERVER 2008 MANAGEABILITY ENHANCEMENTS

- Configuration Servers
- Policy-Based Management

Lab: Managing SQL Server 2008

- Creating a Configuration Server
- Creating and Applying a Policy

MODULE 3: SQL SERVER 2008 PERFORMANCE ENHANCEMENTS

- Managing Workloads with Resource Governor
- Monitoring Performance with the Data Collector
- Managing Performance with Plan Freezing

Lab: Optimizing SQL Server 2008

- Using Resource Governor

- Using the Data Collector

MODULE 4: SQL SERVER 2008 SECURITY ENHANCEMENTS

- Encrypting Databases
- Auditing All Actions

Lab: Securing a SQL Server 2008 Database

- Using Transparent Data Encryption

MODULE 5: SQL SERVER 2008 DATABASE DEVELOPMENT ENHANCEMENTS

- Developer Tool Enhancements
- Data Type Enhancements
- Working with Spatial Data

Lab: Developing Databases with SQL Server 2008

- Using Date and Time Data Types
- Using Spatial Data

MODULE 6: SQL SERVER 2008 AVAILABILITY ENHANCEMENTS

- Always On Technologies
- Transactional Peer-to-Peer Replication

Lab: Maintaining High Availability

- Configuring Peer-to-Peer Replication
- Adding a Replication Node

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MODULE 7: SQL SERVER 2008 DATA

WAREHOUSING ENHANCEMENTS

- ETL Enhancements
- Using Partitioned Tables
- Optimizing Data Storage

Lab: Data Warehousing with SQL Server 2008

- Using Change Data Capture
- Using the MERGE Statement
- Working with Partitioned Data

MODULE 8: SQL SERVER 2008 REPORTING

SERVICES ENHANCEMENTS

- Reporting Services Architecture and Management
- Authoring Reports
- Report Processing and Rendering

Lab: Using SQL Server 2008 Reporting Services

- Creating a Report with Report Designer
- Managing Reporting Services

MODULE 9: SQL SERVER 2008 ANALYSIS

SERVICES ENHANCEMENTS

- Multidimensional Analysis with SQL Server Analysis Services
- Data Mining with SQL Server Analysis Services

Lab: Using SQL Server 2008 Analysis Services

- Implementing Multidimensional Analysis
- Implementing Data Mining