

## DBA & Developer skills for SQL Server 2008

### IN BRIEF

**Delivery:** Instructor-led course

**Duration:** Two days

**Inclusions:** Microsoft expert instructor, comprehensive course manual, individual computer access, and fully catered lunch, morning and afternoon tea breaks.

**Prerequisites:**

The course assumes at least one year of T-SQL querying and programming experience in SQL Server.

**Products Covered:** Microsoft SQL Server 2008

### Course Description

This two day instructor led course focuses what's new in SQL Server 2008 from both a DBA and Developer perspective. In this course you will learn the details and capabilities of SQL Server new datatypes, TSQL Enhancements, Spatial data, Resource Governor, Policy Based Management and Filestream data.

### Audience

- T-SQL Programmers, DBAs, Architects, and Analysts.
- Those that need to write or review T-SQL code in SQL Server 2005 and 2008.

Note: This course assumes at least one year's practical experience writing T-SQL.

### Topics Covered

#### DBA skills for SQL Server 2008

- Overview of DBA related enhancements

#### Developer and BI skills for SQL Server 2008

- Overview of Developer related enhancements
- Overview of Business Intelligence related enhancements

#### New datatypes in SQL server 2008

- Date, Time
- Datetime2, DateTimeZone
- HierarchyID
- XML enhancements
- Object dependency tracking
- LAB: New datatypes in SQL Server 2008

#### TSQL Enhancements in SQL server 2008

- Delighters
- Variable declaration and initialization
- MERGE statement
- Table-valued parameters
- LAB: TSQL Enhancements in SQL Server 2008

#### Location aware applications with SQL server Spatial data

- Location aware applications
- OGC
- Spatial data types
- Geometry and Geography
- Spatial indexing
- LAB: Spatial data in SQL Server

#### Balancing performance using Resource Governor

- Issues in resource governance
- Balancing the performance of applications
- Governing CPU and memory
- LAB: Resource Governor

#### Policy Based Management

- Policies
- Facets
- DDL Triggers
- Enforcing policy
- Checking for policy compliance on demand
- Checking for policy compliance on earlier versions of SQL Server
- LAB: Policy based management

#### Working with Filestream data

- Pros and cons of BLOB storage in the database
- Filestream data type
- Access via TSQL and Win32 streaming APIs
- Ongoing management of Filestream
- LAB: Implementing Filestream Data