
WaterColor, LLC is a Montana technology training company. Dedicated to teaching professionals how to increase their potential and the organization's bottom line.

Quality is our biggest concern. So our instructional partnerships ensure your instructors have real-world experience and can handle your specific situation, challenges and questions.

intraLogix is a Missoula-based technical consulting and development team. Bringing real-world SQL development insight and experience into the classroom. Teaching concepts straight from the source - as a SQL developer and a Microsoft Certified Partner.

Bring your data to life!

Pricing is always below big city rates. Take a look for yourself.

		Number of Participants		
Course	Dates	1	2	3+
T-SQL	Jun 2 - 3	\$850	\$800	\$750

Private Classes are perfect for teams. Custom or standard topics. Scheduled at your site or ours.

Registration is easy. Call (406) 542-1573. Or send email to info@watercolorct.com.

Additional Courses can be found at www.watercolorct.com. Check out the *Advanced Technology Clinic* Class Schedule to see other titles like:

- SQL Server Reporting Services I & II
 - Implementing SQL Server
 - Maintaining SQL Server
- SQL Server Stored Procedures
- SQL Server Disaster Planning Strategy



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Microsoft

SQL Server Transact SQL

Hands-on Training Clinic

Access the information
you need to make
informed decisions

without struggling!



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Writing Queries Using Microsoft SQL Server T-SQL

2 Day Hands-on Training Clinic
June 2 & 3, 2009

Course Description

Get the knowledge you need to glean clear, simple, and up-to-information out of your relational database-quickly and efficiently.

Learn the practical details of writing queries using MS Transact-SQL to get real work done!

Take a quick tour of SQL Server and then jump right into creating T-SQL queries that access and manipulate data. Find out how easy it is to generate views, select and update data, use built-in functions and even create stored procedures and triggers.

Examine full-text search, XML, recursive, and pivot queries along with other advanced query features and techniques.

Learning Objectives

- ◆ Build queries in Transact-SQL to insert, update, delete, and retrieve data.
- ◆ Create stored procedures to promote enhanced security and performance.
- ◆ Build and use triggers and user-defined functions.
- ◆ Utilize SQL server transactions to insure data integrity.
- ◆ Leverage .NET programming skills with SQLCLR.
- ◆ Create highly optimized queries using advanced techniques.

Course Content

A Tour of SQL Server

SQL Server Editions, Components, and Tools
 Using SQL Server Management Studio
 Working with Tables and Queries
 New Transact-SQL Features
 Business Intelligence Services

Data Selection Queries

Understanding Transact-SQL
 The SELECT Statement
 The WHERE Clause
 Using ORDER BY to Sort Data
 The GROUP BY Clause
 Joining Tables

Modifying Data

Modifying Data
 Inserting Data
 Updating Data
 Deleting Data
 Understanding Transaction Isolation

Working with SSMS

Exploring the Object Explorer
 Working with the Query Editor
 Using SQL Server Books Online

Transact-SQL Programming

Using Built-In Functions
 Controlling Flow
 Ranking Results

Transactions and Error Handling

Transaction Concepts
 Applications and Transactions
 Creating Explicit Transactions
 Using TRY/CATCH Error Handling

Creating Views

Creating Views
 Updating Data Using a View
 Using Computed Columns
 Indexed Views
 Partitioned Views

Creating Stored Procedures and Triggers

Creating Stored Procedures
 Creating Triggers

Creating User-Defined Functions

User-Defined Function Overview
 Scalar Functions
 Inline Table-Valued Functions
 Multi-Statement Table-Valued Functions
 Using Functions, Views, and Stored Procedures

Appendix A: Using .NET Code

Writing SQLCLR Code
 SQLCLR Code Modules
 Managing Code Modules
 SQLCLR Security
 T-SQL vs. .NET Code

Appendix B: Advanced Query Topics

Full-Text Search
 Generating XML with FOR XML
 Using APPLY
 Creating Recursive Queries
 Creating Pivot Queries
 Executing Dynamic SQL