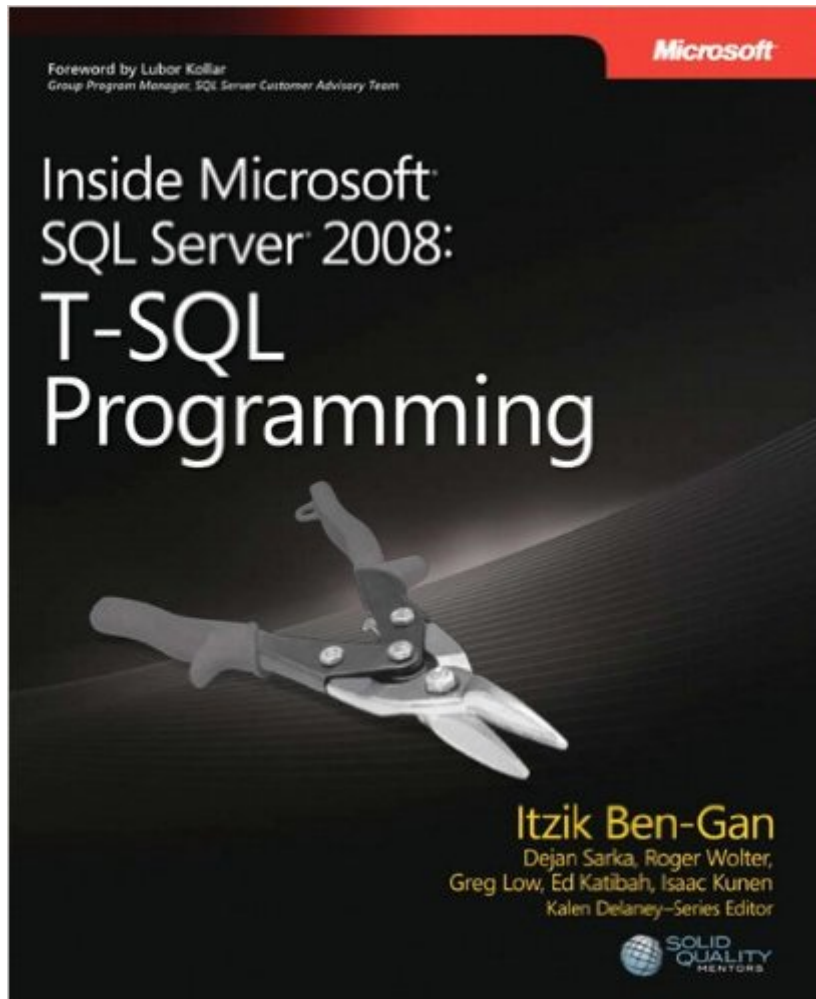


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# Inside Microsoft SQL Server 2008 T-SQL Programming (Developer Reference)



## Synopsis

Get a detailed look at the internal architecture of T-SQL with this comprehensive programming reference. Database developers and administrators get best practices, expert techniques, and code samples to master the intricacies of this programming language—solving complex problems with real-world solutions. Discover how to: Work with T-SQL and CLR user-defined functions, stored procedures, and triggers. Handle transactions, concurrency, and error handling. Efficiently use temporary objects, including temporary tables, table variables, and table expressions. Evaluate when to use set-based programming techniques and when to use cursors. Work with dynamic SQL in an efficient and secure manner. Treat date- and time-related data in a robust manner. Develop CLR user-defined types and learn about temporal support in the relational model. Use XML and XQuery and implement a dynamic schema solution. Work with spatial data using the new geometry and geography types and spatial indexes. Track access and changes to data using extended events, SQL Server Audit, change tracking, and change data capture. Use Service Broker for controlled asynchronous processing in database applications. All the book's code samples will be available for download from the companion Web site.

## Book Information

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## Customer Reviews

I have used SQL Server since the 6.5/7.0 days and thought I knew enough to get by. I had various experiences with SQL Server 2000/2005, and then did not immediately use SQL Server 2008 until

the Spring of 2010; I took a T-SQL CLASS using SQL Server 2008 at Mt. San Antonio College in Walnut, California. I learned a great deal that I did not previously know from Professor Shui-lien Huang, a very excellent teacher. You can work with SQL Server, and unless you have the opportunity to have many challenges to stretch your skills, you may seemingly work in a silo and never learn all of it, which is a good reason to buy this book: "Inside Microsoft SQL Server 2008: T-SQL Programming". I am glad I had the T-SQL class before reading this book. This book contains the typical coverage for a standard T-SQL statement, and then User-Defined Functions (UDFs), Triggers, Stored Procedures, Views, etc., but also some new things. For example, extending SQL Server by using CLR (Common Language Runtime) user defined types, the use of XML, dynamic SQL, and Service Broker for reliable, asynchronous processing, and Spatial Data (i.e. geodata). On the subject of Spatial Data in Chapter 14, Microsoft has brought forth new data types, operators, and indexes to the database. Microsoft introduces the core spatial concepts and provides key programming constructs to successfully navigate this new feature in SQL Server 2008. There are 70 pages covering Spatial Data. Obviously, this is a heavy topic. Because of auditing and compliance requirements, the issue of tracking access and changes to data has become much more important.

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