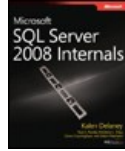


Chapters *To Go*



Microsoft SQL Server 2008 Internals

by Kalen Delaney et al.
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Dedication

For Dan, forever....

—Kalen

About the Authors

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Kalen Delaney has been working with Microsoft SQL Server for over 21 years, and she provides advanced SQL Server training to clients around the world. She has been a SQL Server MVP (Most Valuable Professional) since 1992 and has been writing about SQL Server almost as long. Kalen has spoken at dozens of technical conferences, including every PASS Community Summit held in the United States since the organization's founding in 1999. Kalen is a partner and Director of Training for SQL Tuners (www.sqltuners.net), a SQL Server tuning and managed services company based in the northwestern United States.

Kalen is a contributing editor and columnist for *SQL Server Magazine* and the author or co-author of several Microsoft Press books on SQL Server, including *Inside Microsoft SQL Server 7*, *Inside Microsoft SQL Server 2000*, *Inside Microsoft SQL Server 2005: The Storage Engine*, and *Inside Microsoft SQL Server 2005: Query Tuning and Optimization*. Kalen blogs at www.sqlblog.com, and her personal Web site can be found at www.SQLServerInternals.com.

Paul S. Randal



Paul is the managing director of SQLskills.com, which he runs with his wife, Kimberly L. Tripp. He is also a SQL Server MVP and one of the contributing editors of *TechNet Magazine*. Paul joined Microsoft in 1999 after spending five years at DEC working on the OpenVMS file system. He wrote various DBCC commands for SQL Server 2000 and then rewrote all of DBCC CHECKDB for SQL Server 2005 before moving into management on the SQL Server team. During SQL Server 2008 development, he was responsible for the entire Storage Engine.

Paul regularly teaches classes on topics such as database maintenance, high availability, disaster recovery, and SQL Server internals. He is a top-rated presenter at worldwide Tech·Ed and co-chairs the SQL Server Connections conferences. In the last year, Paul has written a large number of SQL Server 2008 materials, including white papers, and articles for *TechNet Magazine*. Paul's popular blog is at www.SQLskills.com/blogs/paul, and he can be reached at Paul@SQLskills.com.

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Kimberly is the president/founder of SQLskills.com, which she started in 1995 after leaving Microsoft, where she held multiple positions, including technical writer for the SQL Server Team and subject matter expert/trainer for Microsoft University. She is a SQL Server MVP, a Microsoft regional director, and a contributing editor of *SQL Server Magazine*. Since 1990, Kimberly has focused on many aspects of SQL Server availability, with emphasis on performance tuning and optimization.

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Conor Cunningham



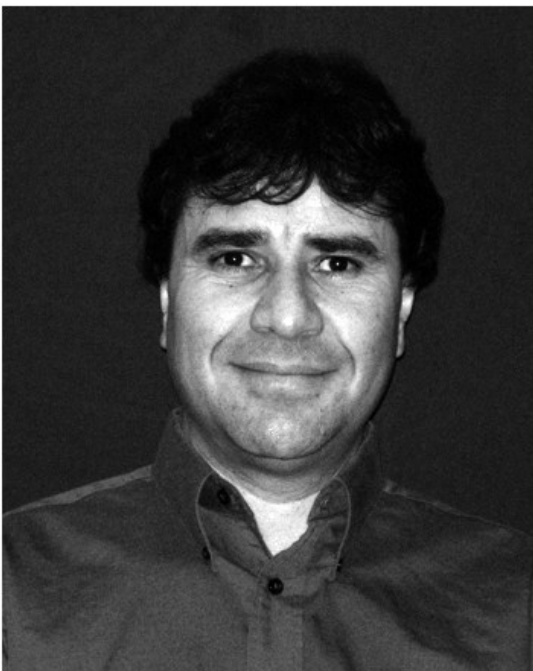
Conor Cunningham is principal architect of the SQL Server Core Engine Team, with over 10 years experience building database engines for Microsoft. He specializes in query processing and query optimization, and he designed and/or implemented a number of the query processing features available in SQL Server. Conor holds a number of patents in the field of query optimization, and he has written numerous academic papers on query processing. Conor blogs at "Conor vs. SQL" at http://blogs.msdn.com/conor_cunningham_msft/default.aspx.

Adam Machanic



Adam Machanic is a Boston-based independent database consultant, writer, and speaker. He has been involved in dozens of SQL Server implementations for both high-availability OLTP and large-scale data warehouse applications, and he has optimized data access layer performance for several data-intensive applications. Adam has written for numerous Web sites and magazines, including SQLBlog, Simple Talk, Search SQL Server, *SQL Server Professional*, *CoDe*, and *Visual Systems Journal*. He has also contributed to several books on SQL Server, including *Expert SQL Server 2005 Development* (Apress, 2007) and *Inside SQL Server 2005: Query Tuning and Optimization* (Microsoft Press, 2007). Adam regularly speaks at user groups, community events, and conferences on a variety of SQL Server- and .NET-related topics. He is a SQL Server MVP, a Microsoft Certified IT Professional (MCITP), and a member of the INETA North American Speakers Bureau.

Technical Reviewer: Benjamin Nevarez



Ben Nevarez has 15 years of experience with relational databases and has worked with SQL Server since version 6.5. He holds a master's degree in computer science and has been a speaker at several technology conferences, including the

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