

## Microsoft Sql Server 2005 Performance Optimization And Tuning Handbook

This book describes, diagnoses, and solves the most common problems with SQL Server 2005, 2008, and 2008 R2. The authors explain a basic approach to troubleshooting and the essential tools. They explore areas in which problems arise with regularity: high disk I/O (RAID misconfiguration, inadequate I/O throughput, poor workload distribution, SAN issues, disk partition misalignment); high CPU usage (insufficient memory, poorly written queries, inadequate indexing, inappropriate configuration option settings); memory mismanagement; missing indexes; blocking (caused mainly by poorly designed databases that lack proper keys and indexing, and applications that apply needlessly restrictive transaction isolation levels); deadlocking (Bookmark Lookup, Serializable Range Scan, Cascading Constraint); full transaction logs (lack of log backups, hefty index maintenance operations, long running transaction, problems with replication and mirroring environments); and accidentally-lost data. Finally, the authors discuss diagnosing tools such as the Performance Monitor, Dynamic Management Views, and server-side tracing. --

SQL Server 2005 is Microsoft's next-generation data management and analysis software designed to deliver increased scalability, availability, and security to enterprise data and analytical applications while making them easier to create, deploy, and manage. Filled with practical solutions and real-world examples, this resource includes full details on: Enterprise data management capabilities, including security and clustering Powerful developer tools -- T-SQL, .NET CLR, XML, ADO.NET 2.0 Business Intelligence features, such as Integration Services, data warehousing, and reports Looks at the features and functions of SQL server 2005, covering such topics as SQL Server Management Studio, T-SQL, XML datatype, notification services, and service broker.

\* Comprehensive T-SQL Coverage, including all SQL Server 2005 new features, from an established SQL Server expert and author. \* Broad appeal, with practical 'How to' answers to common SQL Server T-SQL questions for both novice and advanced DBAs and developers. \* Unique, easy-reference format – ideal for preparing for a SQL Server job interview, or for a SQL Server certification test

\* First book to provide comprehensive, deeply practical coverage on all major new SS2005 features. • Lead author (Tom Rizzo) is a key member of the SQL Server team at Microsoft and a respected author and blogger. • Gets the DBA and developer up and running with SS2005 in the fastest possible time. • The facts, not the evangelism.

Over 80 recipes to help you tune SQL Server 2012 and achieve optimal performance.

Microsoft SQL Server 2005 Management and Administration, based on Service Pack 2, addresses the challenges database administrators regularly encounter on SQL Server 2005 by providing detailed guidance in the areas of

management, administration, security, and monitoring. With coverage of the new features and functionality of SQL Server 2005 Service Pack 2, this book is designed to be comprehensive, resulting in something for all database administrators—from simple tips to tactical solutions. Microsoft SQL Server 2005 Management and Administration goes far beyond the basic installation and setup information found in many other resources. The book looks at day-to-day administration, best practices, tips, and step-by-step configurations based on real-world examples found in the industry. Unlike others, this book includes not only administration and management details on the Database Engine, but also coverage of other SQL Server 2005 components often overlooked, including Analysis Services, Reporting Services, and more. Understand how to... Configure and tune the Database Engine, Reporting Services, Analysis Services, Integration Services, and Notification Services Harden a SQL Server implementation Implement SQL Server highavailability alternatives, such as Failover Clustering, Log Shipping, Database Mirroring, and Replication Monitor a SQL Server 2005 infrastructure with Operations Manager 2007, including how to configure the SQL Server Management Pack and install Operations Manager 2007 Automate SQL Server routine maintenance Encrypt SQL Server data and communications, including setting up a Certificate Authority Performance tune and troubleshoot a SQL Server environment Create Integration Services packages and transfer data

Through the exercises in this book, you will learn how to use C# with Visual Studio .NET 2005, SQL Server 2005, and LLBLGen Pro, a leading O/R Mapper, to rapidly develop database-driven applications. You'll gain an understanding of the benefits of using these technologies and see the complete process from start to finish, including scanning the database schema, generating code, adding business logic, and building the user interface. We'll also cover validation, transactions, performance tuning, multi-threading, and ClickOnce deployment. While there are books, websites, and documentation that cover all of these technologies individually, this book will demonstrate how they can be used together as a rapid and robust solution.

The new edition of the successful previous version is 25 percent revised and packed with more than 200 pages of new material on the 2008 release of SQL Server Integration Services (SSIS) Renowned author Brian Knight and his expert coauthors show developers how to master the 2008 release of SSIS, which is both more powerful and more complex than ever Case studies and tutorial examples acquired over the three years since the previous edition will contribute to helping illustrate advanced concepts and techniques New chapters include coverage of data warehousing using SSIS, new methods for managing the SSIS platform, and improved techniques for ETL operations

"The NAV/SQL Performance Field Guide" is a booklet for the experienced NAV/SQL administrator which explains in a simple and easily understandable way the known (and unknown?) performance problems encountering with Microsoft Dynamics NAV

(Navision) and Microsoft SQL Server and gives practical advices, solutions and recommendations to fix and avoid problems; covering all major areas of performance optimization and troubleshooting: + Performance Measurement & Analysis + Platform Sizing & Configuration + SQL Server Configuration + Database Setup + Index- and SIFT/VSIFT Tuning + Block- and Deadlock Detection + Query Analysis + C/AL Code Optimization + and much more! Applies to Navision Financials 2.60/2.65 Navision Attain 3.01/3.60/3.70 Microsoft Business Solutions Navision 4.00 Microsoft Dynamics NAV 5.00 Microsoft Dynamics NAV 5.00 SP1 Microsoft Dynamics NAV 2009 Microsoft Dynamics NAV 2009 SP1/R2 Microsoft Dynamics NAV 2013/R2 with Microsoft SQL Server 2000 Microsoft SQL Server 2005 Microsoft SQL Server 2008/R2 Microsoft SQL Server 2012

Microsoft SQL Server 2005 Notification Services covers the basic problems of notification applications, describes the SQL Notification Services platform and describes how to use it to build rich, scalable notification applications. Written by Shyam Pather, the Technical Lead for the SQL Notification Services Team, this book is based on his three years of experience teaching SQL Notification Services to new customers. This book is your complete resource for learning SQL Notification Services application development and the underlying architectural concepts.

\* A completely revised edition of a book that is highly-regarded in the community (as evidenced by Amazon reviews and other customer feedback). \* The only comprehensive, practical guide to performance optimization techniques for SQL Server applications. \* Essential reading for any DBA or developer responsible for the eprformance of an existng SQL Server system, or the design of a new one.

Find the right information and present it the right way Take full advantage of all SQL Server Reporting Services can do for you Without a way to interpret it, the data in your database just sits there doing nothing. Now you have help! This handy guide shows you how to retrieve data and create reports with the newest version of SQL Server Reporting Services, so you can deliver both hard copy and interactive, Web-based reports that tell your story. Discover how to Access information from different databases Build the right queries Choose the best report type Move from other reporting tools Deliver reports on demand Produce drill-down and drill-through reports

Database professionals will find that this new edition aids in mastering the latest version of Microsoft's SQL Server. Developers and database administrators (DBAs) use SQL on a daily basis in application development and the subsequent problem solving and fine tuning. Answers to SQL issues can be quickly located helping the DBA or developer optimize and tune a database to maximum efficiency. Basic questions are easily located on the topics of filtering, sorting, operators, conditionals, pseudo columns, single row functions, joins, grouping functions, sub queries, composite queries, hierarchies, flashback queries, parallel queries, expressions and regular expressions. Assistance on DML, data types (including collections), XML, DDL for basic database objects such as tales, views and indexes, partitioning, and security is also considered. \* Identifies and discusses the most common issues database administrators (DBAs) face day-to-day \*Provides DBAs with solutions actually used by the authors in enterprise environments \*Explores new features which add more control but reduce performance

As your essential guide to Microsoft's new SQL Server 2005 certification (exam 70-442), this book offers you practical and in-depth coverage. Full coverage of all exam objectives is presented in a systematic approach so you can be confident you're getting the instruction you need for the exam. Plus, practical hands-on exercises reinforce critical skills and real-world scenarios put what you've learned in the context of actual job roles. Finally, challenging review questions in each chapter prepare you for exam day. A guide to troubleshooting and correcting SQL Server performance problems, this book provides a methodology for use in analyzing any SQL Server database. The most recent advances in SQL Server 8i and 9i are covered to make a SQL Server database run as fast as possible. Properly using ratio-based and bottleneck analysis, designing a fast-running database from the ground up, and establishing methods for making storage and reorganization problems a thing of the past are demonstrated. Also presented are new techniques for monitoring and optimizing memory usage and improved methods for uncovering session-related bottlenecks.

Microsoft SQL Server 2005 Performance Optimization and Tuning Handbook Digital Press

SQL Server Compact Edition is a slimmed down version of SQL Server that you can use on Pocket PCs, Smart phones, Tablet PCs, and Desktops. With this book, you will learn how to build applications for resource constrained devices.

You'll discover how the SQL Server Compact Edition database can also be used as an embedded in-proc database for desktop-based applications. You'll learn how to manage the SQL Server Compact Edition database using SQL Server Management Studio, Visual Studio, and Query Analyzer. Laptops, Tablet PCs, and mobile devices enable information workers to access enterprise data from remote locations. With the step-by-step exercises provided in this book, you'll learn how to synchronize data between SQL Server and SQL Server Compact Edition. You'll also learn Remote Data Access—a lightweight method to exchange data between SQL Server and SQL Server Compact Edition. Also in this book are code samples to help you write database applications for mobile devices and for desktop PCs. Throughout the book you'll find expert tips for building and deploying enterprise applications. Understand how to... Build mobile and desktop applications using SQL Server Compact Edition Set up the development and production environment with Visual Studio, SQL Server, and SQL Server Compact Edition Optimize performance and plan for security Manage databases using SQL Server Management Studio, Visual Studio, and Query Analyzer Develop applications using ADO.NET and OLEDB provider for SQL Server Compact Edition Upgrade from earlier versions of SQL CE, .NET Compact Framework, and Visual Studio Use Merge Replication to synchronize data between SQL Server and SQL Server Compact Edition Exchange data between SQL Server and SQL Server Compact Edition using Remote Data Access Introduction 1 1 Getting Started with SQL Server 2005 Compact Edition 7 2 Platform Support and Installation 35 3 Getting to Know the Tools 63 4 Managing the SQL Server 2005 Compact Edition Database 109 5 Defining Database Structure 131 6

Manipulating the Database 175 7 Programming SQL Server 2005 Compact Edition with ADO.NET 205 8 Introducing Native Access 247 9 Using Operators in SQL Server 2005 Compact Edition 279 10 Using the Built-In Functions 295 11 Upgrading from a Previous Version 327 12 Synchronizing Data with Merge Replication 345 13 Synchronizing Data with Remote Data Access 411 14 Securing the SQL Server 2005 Compact Edition Database 459 15 SQL Server 2005 Compact Edition Performance Tuning 505 Index 551

Provides information on the tuning and optimization features of SQL server 2005, covering such topics as query execution, plan caching, and concurrency problems.

A hands-on resource for SQL Server 2008 troubleshooting methods and tools SQL Server administrators need to ensure that SQL Server remains running 24/7. Authored by leading SQL Server experts and MVPs, this book provides in-depth coverage of best practices based on a deep understanding of the internals of both SQL Server and the Windows operating system. You'll get a thorough look at the SQL Server database architecture and internals as well as Windows OS internals so that you can approach troubleshooting with a solid grasp of the total processing environment. Armed with this comprehensive understanding, readers will then learn how to use a suite of tools for troubleshooting performance problems whether they originate on the database server or operating system side. Topics Covered: SQL Server Architecture Understanding Memory SQL Server Waits and Extended Events Working with Storage CPU and Query Processing Locking and Latches Knowing Tempdb Defining Your Approach To Troubleshooting Viewing Server Performance with PerfMon and the PAL Tool Tracing SQL Server with SQL Trace and Profiler Consolidating Data Collection with SQLDiag and the PerfStats Script Introducing RML Utilities for Stress Testing and Trace File Analysis Bringing It All Together with SQL Nexus Using Management Studio Reports and the Performance Dashboard Using SQL Server Management Data Warehouse Shortcuts to Efficient Data Collection and Quick Analysis Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

All medium to large companies have to deal with data being stored in a number of databases, spreadsheets and proprietary applications. Bringing all this data together into one system can be useful to analyzing the business; but can also be quite difficult to do. Integration Services is the next big bet in Microsoft's business intelligence lineup, providing you with true enterprise extract transform and load features (ETL). Microsoft SQL Server 2005 Integration Services concentrates on providing you with real world solutions to real world problems, giving you a head start on various projects. If you are only evaluating Integration Services, you'll be able to focus on the early chapters with the option of drilling down into details in the later chapters where some of the more complex concepts will be discussed in detail. The interesting sidebars peppered throughout the book provide insight into the processes, people and decisions that yielded

the final IS product.

If you've not programmed with Transact-SQL, this book is for you. It begins with an overview of SQL Server query operations and tools used with T-SQL, and covers both the 2005 and 2008 releases of SQL Server query tools and the query editor. The book then moves to show you how to design and build applications of increasing complexity. Other important tasks covered include full text indexing, optimizing query performance, and application design and security considerations. The companion website also provides all of the code examples from the book.

Pro T-SQL 2012 Programmer's Guide is every developer's key to making full use of SQL Server 2012's powerful, built-in Transact-SQL language. Discussing new and existing features, the book takes you on an expert guided tour of Transact-SQL functionality. Fully functioning examples and downloadable source code bring technically accurate and engaging treatment of Transact-SQL into your own hands. Step-by-step explanations ensure clarity, and an advocacy of best-practices will steer you down the road to success. Transact-SQL is the language developers and DBAs use to interact with SQL Server. It's used for everything from querying data, to writing stored procedures, to managing the database. New features in T-SQL 2012 include full support for window functions, stored sequences, the ability to throw errors, data paging, and more. All these important new features are covered in this book. Developers and DBAs alike can benefit from the expressive power of Transact-SQL, and Pro T-SQL 2012 Programmer's Guide provides the gateway to success in applying this increasingly important database language to everyday business and technical tasks.

This is not an ordinary SQL Server Book. SQL Server MVP Deep Dives brings together the world's most highly-regarded SQL Server experts to create a masterful collection of tips, techniques, and experience-driven best practices for SQL Server development and administration. These SQL Server MVPs-53 in all-each selected a topic of great interest to them, and in this unique book, they share their knowledge and passion with you. SQL Server MVP Deep Dives is organized into five parts: Design and Architecture, Development, Administration, Performance Tuning and Optimization, and Business Intelligence. Within each part, you'll find a collection of brilliantly concise and focused chapters that take on key topics like mobile data strategies, Dynamic Management Views, or query performance. The range of subjects covered is comprehensive, from database design tips to data profiling strategies for BI. Additionally, the authors of this book have generously donated 100% of their royalties to support War Child International. War Child International is a network of independent organizations, working across the world to help children affected by war. War Child was founded upon a fundamental goal: to advance the cause of peace through investing hope in the lives of children caught up in the horrors of war. War Child works in many different conflict areas around the world, helping hundreds of thousands of children every year. Visit [www.warchild.org](http://www.warchild.org) for more information. Purchase of the print book comes with an offer of a free

PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Get your mission-critical databases up and running quickly with this essential, single-volume guide. This comprehensive administrator's reference details features and capabilities of SQL Server 2005—including how to implement business intelligence applications. It delivers the easy-to-follow procedures, practical workarounds, and key troubleshooting tactics you need for on-the-job results. Discover how to: Perform an installation or upgrade, and configure it on the network Plan and configure the I/O subsystem and model system capacity Create and maintain databases, tables, views, and indexes Administer transactions, deadlocks, and isolation levels Manage users with logins, user IDs, schemas, permissions, and roles Implement failover clustering, log shipping, and database mirroring for high availability Manage and tune snapshot, transactional, and merge replication Administer SQL Server Analysis Services and Reporting Services Monitor, troubleshoot, and fine-tune performance Includes a CD with a fully searchable eBook. A Note Regarding the CD or DVD The print version of this book ships with a CD or DVD. For those customers purchasing one of the digital formats in which this book is available, we are pleased to offer the CD/DVD content as a free download via O'Reilly Media's Digital Distribution services. To download this content, please visit O'Reilly's web site, search for the title of this book to find its catalog page, and click on the link below the cover image (Examples, Companion Content, or Practice Files). Note that while we provide as much of the media content as we are able via free download, we are sometimes limited by licensing restrictions. Please direct any questions or concerns to [booktech@oreilly.com](mailto:booktech@oreilly.com).

The Comprehensive Resource for SQL Server 2005 Administrators, Consultants, and Developers Whether you're a systems administrator, database application developer, or IT consultant, you'll quickly ratchet up your knowledge of Microsoft SQL Server 2005 with this thorough and comprehensive guide. Light on theory and heavy on practicality, it cuts to the chase with real-world examples of large-scale business applications, an entire chapter on troubleshooting, and crucial information on SQL Server 2005's enhanced connectivity. For new users of Microsoft SQL Server, this book takes you quickly, but systematically, through the introductory topics. Coverage Includes Integrating SQL Server with .NET Framework Understanding Service Broker, a distributed application framework Programming with ADO.NET, the data-access component of .NET Setting up Notification Services, which delivers personalized information to mobile devices Using SQL Server Management Studio instead of Enterprise Manager Designing made easier with new Business Intelligence Development Studio (BIDS) Printing multi-page reports Mastering Transact-SQL programming language Leverage the Experience of Large-Scale Enterprises through Real-World Examples Increase Your Own Productivity with an Entire Chapter on Troubleshooting Discover What SQL Server 2005's Increased Emphasis on Connectivity Means to Your Installation Start Developing Apps--All the Information You Need! [www.sybex.com](http://www.sybex.com) Dynamic Management Views (DMVs) are a significant and valuable addition to the DBA's troubleshooting armory, laying bare previously unavailable information regarding the under-the-covers activity of your database sessions and transactions. Why, then, aren't all DBAs using them? Why do many DBAs continue to ignore them in favour of "tried and trusted" tools such as `sp_who2`, `DBCC OPENTRAN`, and so on, or make do with the "ready made" reports built into SSMS? Why do even those that do use the DMVs speak wistfully about "good old sysprocesses"? There seem to be two main factors at work. Firstly, some DBAs are simply unaware of the depth and breadth of the information that is available from the DMVs, or how it might help them troubleshoot common issues. This book investigates all of the DMVs that are most frequently useful to the DBA in investigating query execution, index usage, session and transaction activity, disk IO, and how SQL Server is using or abusing the operating system. Secondly, the DMVs have a reputation of being difficult to use. In the process of

exposing as much useful data as possible, sysprocesses has been de-normalized, and many new views and columns have been added. This fact, coupled with the initially-baffling choices of what columns will be exposed where, has lead to some DBAs to liken querying DMVs to "collecting mystic spells." In fact, however, once you start to write your own scripts, you'll see the same tricks, and similar join patterns, being used time and again. As such, a relatively small core set of scripts can be readily adapted to suit any requirement. This book is here to demystify the process of collecting the information you need to troubleshoot SQL Server problems. It will highlight the core techniques and "patterns" that you need to master, and will provide a core set of scripts that you can use and adapt for your own systems, including how to: \*

- \* Root out the queries that are causing memory or CPU pressure on your system
- \* Investigate caching, and query plan reuse
- \* Identify index usage patterns
- \* Track fragmentation in clustered indexes and heaps
- \* Get full details on blocking and blocked transactions, including the exact commands being executed, and by whom.
- \* Find out where SQL Server is spending time waiting for resources to be released, before proceeding
- \* Monitor usage and growth of tempdb

The DMVs don't make existing, built-in, performance tools obsolete. On the contrary, they complement these tools, and offer a flexibility, richness and granularity that are simply not available elsewhere. Furthermore, you don't need to master a new GUI, or a new language in order to use them; it's all done in a language all DBAs know and mostly love: T-SQL.

Database professionals will find that this new edition aids in mastering the latest version of Microsoft's SQL Server. Developers and database administrators (DBAs) use SQL on a daily basis in application development and the subsequent problem solving and fine tuning. Answers to SQL issues can be quickly located helping the DBA or developer optimize and tune a database to maximum efficiency. Basic questions are easily located on the topics of filtering, sorting, operators, conditionals, pseudo columns, single row functions, joins, grouping functions, sub queries, composite queries, hierarchies, flashback queries, parallel queries, expressions and regular expressions. Assistance on DML, data types (including collections), XML, DDL for basic database objects such as tables, views and indexes, partitioning, and security is also considered. \*

- \* Identifies the most common issues DBAs face day to day for easy reference
- \* Provides DBAs with solutions actually used by the authors in enterprise environments to resolve common and specialized problems to optimization issues.
- \* Addresses issues that have been introduced by new features which can add more control but reduce performance.

Replication is a way of copying and updating information in a database. The Definitive Guide to SQL Server 2005 Replication is for Microsoft database developers and administrators who want to learn about the different types of replication and those best suited to SQL Server 2005. The book will also delve into advanced topics like replication of SQL Server with heterogeneous databases; replication of different database objects like stored procedures; backup and recovery of replicated databases; performance and tuning; and finally troubleshooting replication. As such, this book will address the concerns of both novice and advanced users of replication.

Delivers the know-how that novice database developers, enthusiasts, and independent software vendors need in order to use the SSE database. Written in the typical nonintimidating For Dummies style, the book's emphasis is on installing SSE and using it to create simple database applications with other tools in Microsoft's Express product line. Covers how to use SQL Server Express Manager, an easy-to-use management tool that comes with SSE, and the Application XCopy feature, which provides SSE with the ability to treat databases like files. Addresses topics unique to SSE and not covered in standard SQL Server books, including network and security features, migrating and connecting from Access and MSDE to SSE, and migrating from SSE to the full-blown SQL Server database. The CD-ROM contains SQL Server Express trial version and the Web site has the code from applications featured in the book. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Apply powerful window functions in T-SQL—and increase the performance and speed of your queries Optimize your queries—and obtain simple and elegant solutions to a variety of problems—using window functions in Transact-SQL. Led by T-SQL expert Itzik Ben-Gan, you'll learn how to apply calculations against sets of rows in a flexible, clear, and efficient manner. Ideal whether you're a database administrator or developer, this practical guide demonstrates ways to use more than a dozen T-SQL querying solutions to address common business tasks. Discover how to: Go beyond traditional query approaches to express set calculations more efficiently Delve into ordered set functions such as rank, distribution, and offset Implement hypothetical set and inverse distribution functions in standard SQL Use strategies for improving sequencing, paging, filtering, and pivoting Increase query speed using partitioning, ordering, and coverage indexing Apply new optimization iterators such as Window Spool Handle common issues such as running totals, intervals, medians, and gaps

Buy the print version of Microsoft SQL Server 2012 Unleashed and get the eBook version for free! eBook version includes chapters 44-60 not included in the print. See inside the book for access code and details. With up-to-the-minute content, this is the industry's most complete, useful guide to SQL Server 2012. You'll find start-to-finish coverage of SQL Server's core database server and management capabilities: all the real-world information, tips, guidelines, and samples you'll need to create and manage complex database solutions. The additional online chapters add extensive coverage of SQL Server Integration Services, Reporting Services, Analysis Services, T-SQL programming, .NET Framework integration, and much more. Authored by four expert SQL Server administrators, designers, developers, architects, and consultants, this book reflects immense experience with SQL Server in production environments. Intended for intermediate-to-advanced-level SQL Server professionals, it focuses on the product's most complex and powerful capabilities, and its newest tools and features. Understand SQL Server 2012's newest features, licensing changes, and capabilities of each edition Manage SQL Server 2012 more effectively with SQL Server Management Studio, the SQLCMD command-line query tool, and Powershell Use Policy-Based Management to centrally configure and operate SQL Server Utilize the new Extended Events trace capabilities within SSMS Maximize performance by optimizing design, queries, analysis, and workload management Implement new best practices for SQL Server high availability Deploy AlwaysOn Availability Groups and Failover Cluster Instances to achieve enterprise-class availability and disaster recovery Leverage new business intelligence improvements, including Master Data Services, Data Quality Services and Parallel Data Warehouse Deliver better full-text search with SQL Server 2012's new Semantic Search Improve reporting with new SQL Server 2012 Reporting Services features

Download the following from [informit.com/title/9780672336928](http://informit.com/title/9780672336928): Sample databases and code examples

Covering Microsoft's brand-new SQL 2005 administrator exam, this study guide walks readers through setting up, maintaining, and troubleshooting database solutions Reviews key topics such as defining high-availability solutions, automating administrative tasks, defining security solutions, monitoring and troubleshooting the database server, and designing and executing deployments Candidates must first complete the requirements for the MCTS exam and have three or more years dedicated to database work; then they may earn their MCITP by passing two exams The CD-ROM features leading-edge exam prep software with an assessment test, test engine of case study practice questions, and electronic flashcards

Microsoft SQL Server 2005: Changing the Paradigm (SQL Server 2005 Public Beta Edition) will prepare database

administrators for upcoming changes in SQL Server 2005. Obtain the skills necessary to run SQL Server 2005 from the experts at Microsoft Gold Partner. Get a head-start to understanding the new concepts and features of SQL Server 2005 from the database administrator's perspective, including: SQL Server 2005 Architecture Tool Sets Scalability, Reliability and High Availability Chapter Performance Tuning Replication .NET CLR Integration DTS and Business Intelligence Minimize the surprises in SQL Server 2005 with the help of Microsoft SQL Server 2005: Changing the Paradigm (SQL Server 2005 Public Beta Edition).

Describes the new features and functions of Microsoft SQL Server 2005, covering such topics as security, recovery features, notification services, XML integration, reporting services, and analysis services.

Anyone who interacts with today's modern databases needs to know SQL (Structured Query Language), the standard language for generating, manipulating, and retrieving database information. In recent years, the dramatic rise in the popularity of relational databases and multi-user databases has fueled a healthy demand for application developers and others who can write SQL code efficiently and correctly. If you're new to databases, or need a SQL refresher, Learning SQL on SQL Server 2005 is an ideal step-by-step introduction to this database query tool, with everything you need for programming SQL using Microsoft's SQL Server 2005-one of the most powerful and popular database engines used today. Plenty of books explain database theory. This guide lets you apply the theory as you learn SQL. You don't need prior database knowledge, or even prior computer knowledge. Based on a popular university-level course designed by authors Sikha Saha Bagui and Richard Walsh Earp, Learning SQL on SQL Server 2005 starts with very simple SQL concepts, and slowly builds into more complex query development. Every topic, concept, and idea comes with examples of code and output, along with exercises to help you gain proficiency in SQL and SQL Server 2005. With this book, you'll learn: Beginning SQL commands, such as how and where to type an SQL query, and how to create, populate, alter and delete tables How to customize SQL Server 2005's settings and about SQL Server 2005's functions About joins, a common database mechanism for combining tables Query development, the use of views and other derived structures, and simple set operations Subqueries, aggregate functions and correlated subqueries, as well as indexes and constraints that can be added to tables in SQL Server 2005 Whether you're an undergraduate computer science or MIS student, a self-learner who has access to the new Microsoft database, or work for your company's IT department, Learning SQL on SQL Server 2005 will get you up to speed on SQL in no time.

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