

Sql Server 2005 Guide

A Developer's Guide to SQL Server 2005 Addison-Wesley Professional

It's been five years since Microsoft released a new version of SQL Server—which holds 39% of the Windows database market—and the latest edition of this bestselling beginner's guide gets users up and running on SQL Server 2005. The book covers database concepts, and discusses key topics for new users including the SQL Server Workbench, T-SQL, automated administration tasks, security, and analysis.

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.

Pro T-SQL 2005 Programmer's Guide provides comprehensive and detailed coverage of all the major features and facilities of T-SQL for SQL Server 2005. It is designed for all users of T-SQL, database administrators, systems administrators, application developers, and end-users, who want to learn how to exploit the power of T-SQL. Whatever you need to do with T-SQL, you'll find it described clearly here. Stored procedures, triggers, and user-defined functions are only part of the story. Dynamic SQL, the new XML data type, and SQLCLR programming are also covered, as well as accessing SQL Server with ADO.NET. Exception handling and performance are fully covered, too. This book is truly a complete programmer's guide to T-SQL and SQL Server 2005.

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.

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 Explores the foundations of SQL and Transact-SQL programming to teach readers how to develop coding techniques and discover solutions to programming problems, then covers practices, design considerations, and advanced topics.

Essential Microsoft SQL Server 2012 Skills Made Easy Get up and running on Microsoft SQL Server 2012 in no time with help from this thoroughly revised, practical resource. Filled with real-world examples and hands-on exercises, Microsoft SQL Server 2012: A Beginner's Guide, Fifth Edition starts by explaining fundamental relational database system concepts. Then, you'll learn how to write Transact-SQL statements, execute simple and complex database queries, handle system administration and security, and use the powerful analysis, business intelligence, and reporting tools. XML, spatial data, and full-text search are also covered in this step-by-step tutorial. Install, configure, and customize SQL Server 2012 Create and modify database objects with Transact SQL statements Write stored procedures and user-defined functions Handle backup and recovery Automate administrative tasks Tune your database system for optimal performance, availability, and reliability Implement security measures using authentication, encryption, and authorization Work with SQL Server Analysis Services, SQL Server Reporting Services, and other business intelligence tools Store, display, and query XML documents Manage spatial data Query documents using MS Full-Text Search (FTS)

"A Developer's Guide to Data Modeling for SQL Server explains the concepts and practice of data modeling with a clarity that makes the technology accessible to anyone building databases and data-driven applications. "Eric Johnson and Joshua Jones combine a deep understanding of the science of data modeling with the art that comes with years of experience. If you're new to data modeling, or find the need to brush up on its concepts, this book is for you." —Peter Varhol, Executive Editor, Redmond Magazine Model SQL Server Databases That Work Better, Do More, and Evolve More Smoothly Effective data modeling is essential to ensuring that your databases will perform well, scale well, and evolve to meet changing requirements. However, if you're modeling databases to run on Microsoft SQL Server 2008 or 2005, theoretical or platform-agnostic data modeling knowledge isn't enough: models that don't reflect SQL Server's unique real-world strengths and weaknesses often lead to disastrous performance. A Developer's Guide to Data Modeling for SQL Server is a practical, SQL Server-specific guide to data modeling for every developer, architect, and administrator. This book offers you invaluable start-to-finish guidance for designing new databases, redesigning existing SQL Server data models, and migrating databases from other platforms. You'll begin with a concise, practical overview of the core data modeling techniques. Next, you'll walk through requirements gathering and discover how to convert requirements into effective SQL Server logical models. Finally, you'll systematically transform those logical models into physical models that make the most of SQL Server's extended functionality. All of this book's many examples are available for download from a companion Web site. This book enables you to Understand your data model's physical elements, from storage to referential integrity Provide programmability via stored procedures, user-defined functions, triggers, and .NET CLR integration Normalize data models, one step at a time Gather and interpret requirements more effectively Learn an effective methodology for creating logical models Overcome modeling problems related to entities, attribute, data types, storage overhead, performance, and relationships Create physical models—from establishing naming guidelines through implementing business rules and constraints Use SQL Server's unique indexing capabilities, and overcome their limitations Create abstraction layers that enhance security, extensibility, and flexibility

The Rational Guide to SQL Server 2005 Express deals with computers/software.

The Best Fully Integrated Study System Available With hundreds of practice questions and hands-on exercises, MCTS SQL Server 2005 Implementation & Maintenance Study Guide covers what you need to know--and shows you how to prepare--for this challenging exam. 100% complete coverage of all official objectives for Exam 70-431Exam Readiness Checklist at the front of the book--you're ready for the exam when all objectives on the list are checked offInside the Exam sections in every chapter highlight key exam topics coveredSimulated exam questions match the format, tone, topics, and difficulty of the real exam Covers all the exam topics, including: Installing and Configuring SQL Server 2005 * Creating Databases and Database Objects * SQL Server Security * Creating Views, Partitions, and Linked Servers * Transact-SQL Programming * Working with Constraints, Triggers, and Stored Procedures * Backup and Restore of SQL Server with SQL Agent Jobs * Data Redundancy and Availability * Using the Service Broker * XML Data Support * SQL Server Performance Monitoring and Tuning * Troubleshooting Server and Database Errors CD-ROM includes: Complete MasterExam practice testing engine, featuring: One full practice exam; Detailed answers with explanations; Score Report performance assessment toolVideo training clipsfrom the authorElectronic book for studying on the go With free online registration: One-hour LearnKey video training sessionBonus downloadable MasterExam practice test

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. --

Developers will discover how to unleash the full power of Microsoft SQL Server 2005 with this developer's guide by best-selling author, Michael Otey. Completely rewritten and reengineered, this book will focus on the new programming models and will provide readers with all the information they need to produce top-quality commercial applications

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.

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: Sample databases and code examples

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

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. This comprehensive book guides readers through Microsoft's brand- new SQL 2005 certification: Microsoft Certified IT Professional Developer for SQL Server 2005 (Exam 70441) Topics covered include writing SQL queries, designing and implementing programming objects, database optimization, designing databases at both the conceptual and logical levels, and implementing databases at the physical level Aimed at candidates for this exam, namely professional database developers who are responsible for designing and implementing database solutions using SQL Server 2005 The CD-ROM features leading-edge exam prep software with test engine plus hundreds of practice questions and electronic flashcards For Instructors: Teaching supplements are available for this title.

This comprehensive book guides readers through Microsoft's brand-new SQL 2005 administrator exam: Designing a Database Server Infrastructure by Using Microsoft SQL

Server 2005 (Exam 70443) Addresses the database tasks that the MCITP exam focuses on such as design, development, deployment, optimization, maintenance, and support Reviews key topics, including defining high availability solutions, automating administrative tasks, defining security solutions, monitoring and troubleshooting the database server, and much more The CD-ROM features leading-edge exam prep software with test engine plus hundreds of practice questions and electronic flashcards Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Describes the Service Broker messaging feature of SQL Server 2005.

Describes the integration services feature of SQL Server 2005.

* 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

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.

The Complete, Practical, 100% Useful Guide for Every SQL Server 2005 DBA! This book has one goal: to help database administrators and their managers run SQL Server 2005 with maximum efficiency, reliability, and performance. Renowned SQL Server expert Buck Woody covers every facet of database administration, from installation and configuration through maintaining enterprise-class business intelligence environments. If you're a new SQL Server administrator, Buck will help you master core tasks rapidly—and avoid costly mistakes that only show up when it's too late. If you're familiar with previous versions of SQL Server, he'll get you up-to-speed fast on everything new that matters, from high availability improvements and Integration Services to the SQL Server Management Studio. Whatever your background, you'll find best practices, real-world scenarios, and easy-to-use automation scripts—all grounded in Buck's unsurpassed SQL Server knowledge.

Since 1994 when he wrote his first "Hitchhiker's Guide", William Vaughn has been providing developers all over the world the intimate details of how SQL Server can be accessed and managed from RAD languages like Visual Basic and Visual Basic .NET. With the 7th Edition, Bill has completely rewritten this encyclopedic work from cover to cover—giving readers his insightful views on how applications should be built to maximize both developer and code performance. Visual Studio and the languages it hosts have never been as sophisticated as they are today—the same can be said for SQL Server. This makes it even more important for developers to understand how to best leverage their features without being held back by their complexity. That's what this book is all about—making it easier for developers regardless of their know-how. The 7th edition is unique in that it's designed to provide not only up-to-date tutorials on the latest development tools provided by Visual Studio and SQL Server, but also a solid platform of architectural advice and rich examples for developers trying to choose between the myriad of platform options. Beginners and experts alike will find comprehensive step-by-step instructions that can make the reader's introduction to the latest versions of Visual Studio and SQL Server far easier. Key topic coverage includes: • Data access architectures and how to choose the best strategy for Windows Forms, ASP.NET, XML Web Services, and SQL Server CLR executables. Where do these make sense and how much will they cost to build and maintain? • SQL Server and relational database fundamentals and inner-machinery. How does SQL Server work and why is it important that developers know? • Making the development experience more productive through judicious use of the Visual Studio toolset, and how to know when the wizards can help. • Using the latest ADO.NET data provider efficiently and safely. • How to protect the security of your database—and your job—by avoiding common mistakes. • How to build secure, efficient, scalable applications in less time with fewer resources—how to create faster code faster. • How to leverage the potential of SQL Server CLR executables and knowing when these features make sense. • How to work with your DBA to maintain database integrity and security. • Working with the new Visual Studio report controls to expose your organization's data safely and easily with or without leveraging existing SQL Server Reporting Services technology. William R. Vaughn is the President of Beta V Corporation and a Microsoft MVP. In 2000 he retired from Microsoft after 14 years to focus on mentoring, speaking, and writing. His specialty is data access application design especially when connecting to SQL Server—over the years he's written 12 books on the subject. He's a popular speaker at technical conferences all over the world where his wit and no-holds-barred technical insights win him rave reviews. William is also a member of the prestigious INETA Speaker's Bureau. His works include articles for SQL Server Magazine and a bi-weekly editorial for Processor Magazine as well as books published by Microsoft Press and Apress. The book includes a DVD that contains a wealth of examples as well as several sample databases used to illustrate points discussed in the book. Authenticated readers will also have unrestricted access to the book's supporting web site, www.hitchhikerguides.net, where additional examples, online forums, and other supplementary materials are available. www.awprofessional.com/msserverseries www.hitchhikerguides.net www.betav.com/blogs/billva www.betav.com

Extend your programming skills with a comprehensive study of the key features of SQL Server 2008. Delve into the new core capabilities, get practical guidance from expert developers, and put their code samples to work. This is a must-read for Microsoft .NET and SQL Server developers who work with data access—at the database, business logic, or presentation levels. Discover how to: Query complex data with powerful Transact-SQL enhancements Use new, non-relational features: hierarchical tables, native file streaming, and geospatial capabilities Exploit XML inside the database to design XML-aware applications Consume and deliver your data using Microsoft LINQ, Entity Framework, and data binding Implement database-level encryption and server auditing Build and maintain data warehouses Use Microsoft Excel to build front ends for OLAP cubes, and MDX to query them Integrate data mining into applications quickly and effectively. Get code samples on the Web.

"I come from a T-SQL background, so when I first laid my eyes on SQL Server 2005, I was shocked--and then, I was scared! I didn't have a CLR or XML background and suddenly had an urgent need to learn it. SQL Server 2005 is too big of a release to learn from the books online. Fortunately, now there is a book for developers who need to go from SQL Server 2000 to SQL Server 2005 and to do it as painlessly as possible. Basically, it's one-stop shopping for serious developers who have to get up to speed quickly. I'll keep this one on my desk--not on my bookshelf. Well done, Bob and Dan!" --Dr. Tom Moreau SQL Server MVP and Monthly Columnist SQL Server Professional, Brockman Moreau Consulting Inc. "A SQL book truly for developers, from two authorities on the subject. I'll be turning to this book first when I

need to understand a component of SQL Server 2005." --Matt Milner Instructor Pluralsight "An excellent book for those of us who need to get up to speed on what's new in SQL Server 2005. The authors made sure this book includes the final information for the release version of the product. Most other books out now are based on beta versions. It covers key areas from XML and SQLCLR to Notification Services. Although the wide variety of information is great, my favorite part was the advice given on when to use what, and how performance is affected." --Laura Blood Senior Software Developer Blue Note Computing, Inc. "SQL Server 2005 is a massive release with a large number of new features. Many of these features were designed to make SQL Server a great application development platform. This book provides comprehensive information about the SQL Server features of most interest to application developers. The lucid text and wealth of examples will give a developer a clear understanding of how to use SQL Server 2005 to a whole new class of database applications. It should be on every SQL Server developer's bookshelf." --Roger Wolter Solutions Architect Microsoft Corporation "While there will be a lot of good books on SQL Server 2005 development, when people refer to the 'bible,' they'll be talking about this book." --Dr. Greg Low Senior Consultant Readify Pty Ltd "SQL Server 2005 is loaded with new features and getting a good overview is essential to understand how you can benefit from SQL Server 2005's features as a developer. Bob and Dan's book goes beyond enumerating the new SQL Server 2005 features, and will provide you with lots of good examples. They did a good job striking a balance between overview and substance." --Michiel Worries Senior Program Manager, SQL Server Microsoft Corporation Few technologies have been as eagerly anticipated as Microsoft SQL Server 2005. Now, two SQL Server insiders deliver the definitive hands-on guide--accurate, comprehensive, and packed with examples. "A Developer's Guide to SQL Server 2005 "starts where Microsoft's documentation, white papers, and Web articles leave off, showing developers how to take full advantage of SQL Server 2005's key innovations. It draws on exceptional cooperation from Microsoft's SQL Server developers and the authors' extensive access to SQL Server 2005 since its earliest alpha releases. You'll find practical explanations of the new SQL Server 2005 data model, built-in .NET hosting, improved programmability, SQL:1999 compliance, and much more. Virtually every key concept is illuminated via sample code that has been fully updated for and tested with the shipping version of the product. Key coverage includes Using SQL Server 2005 as a .NET runtime host: extending the server while enhancing security, reliability, and performance Writing procedures, functions, triggers, and types in .NET languages Exploiting enhancements to T-SQL for robust error-handling, efficient queries, and improved syntax Effectively using the XML data type and XML queries Implementing native SQL Server 2005 Web Services Writing efficient, robust clients for SQL Server 2005 using ADO.NET, classic ADO, and other APIs Taking full advantage of user-defined types (UDTs), query notifications, promotable transactions, and multiple active result sets (MARS) Using SQL Management Objects (SMO), SQL Service Broker, and SQL Server Notification Services to build integrated applications

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. With the release of SQL Server 2005, Microsoft is introducing a new multi-exam certification program. The Microsoft SQL Server 2005 Implementation and Maintenance exam (70-431) is the first stop for everyone entering this new certification track, and serves as both a single exam certification as well as the entry exam for the MCITP-level certifications. This book provides an introduction to the development and administrative aspects of SQL Server 2005 and features practical guidance for all aspects of the exam. Get a great start in your certification process today with this comprehensive guide which includes: Hundreds of challenging practice questions plus two bonus exams Leading-edge exam preparation software, including a test engine Authoritative coverage of all key exam objectives, including: Installing and Configuring SQL Server 2005 Implementing High Availability and Disaster Recovery Supporting Data Consumers Maintaining Databases Monitoring and Troubleshooting SQL Server Performance Creating and Implementing Database Objects Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

All-in-One is All You Need Get complete coverage of all three Microsoft Certified IT Professional database developer exams for SQL Server 2005 in this comprehensive volume. Written by a SQL Server expert and MCITP, this definitive exam guide features learning objectives at the beginning of each chapter, exam tips, practice questions, and in-depth explanations. Detailed and authoritative, the book serves as both a complete certification study guide and an essential on-the-job reference. Get full details on all exam topics including how to: Install and configure SQL Server 2005 Manage database design Use Transact-SQL and XML Work with functions, triggers, and CLR integration Optimize, monitor, and secure databases Create stored procedures Handle disaster recovery Work with Service Broker, Web Services, and MARS Use SQL Server Reporting Services and Notification Services Manage locks, deadlocks, and cursors Transfer data using Replication and SQL Server Integration Services The CD-ROM features: Six full practice exams-two for each exam: 70-431, 70-441, & 70-442 Scripts from the step-by-step exercises in the book Video training clips from the author Complete electronic book

The Rational Guide to SQL Server 2005 Reporting Services deals with computers/software.

Michael Otey (Portland, OR) is Senior Technical Editor of SQL Server 2000 Magazine and co-author of SQL Server 2000 Developer's Guide and SQL Server 7 Developer's Guide. He is the president of TECA, Inc., a software development and consulting firm.

bull; Contains the most depth and breadth of coverage of any book on SQL Server architecture, internals, and tuning bull; Will be a key reference for anyone working with SQL Server, no matter what their skill level bull; The latest book in the bestselling series of Guru's Guides from Ken Henderson

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