

Microsoft Sql Thinking Vom Problem Zum Sql Statem

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Oracle Database 10g The Complete Reference Kevin Loney 2004-09-28 Get a thorough understanding of Oracle Database 10g from the most comprehensive Oracle database reference on the market, published by Oracle Press. From critical architecture concepts to advanced object-oriented concepts, this powerhouse contains nearly 50 chapters designed to enlighten you. Upgrade from earlier versions, use SQL, SQL Plus, and PL/SQL. Get code examples and access popular documentation PDFs--plus a full electronic copy of the book on the included CD-ROM. Go beyond the basics and learn security, text searches, external tables, using Java in Oracle, and a great deal more.

The Enterprise Big Data Lake Alex Gorelik 2019-02-21 The data lake is a daring new approach for harnessing the power of big data technology and providing convenient self-service capabilities. But is it right for your company? This book is based on discussions with practitioners and executives from more than a hundred organizations, ranging from data-driven companies such as Google, LinkedIn, and Facebook, to governments and traditional corporate enterprises. You'll learn what a data lake is, why enterprises need one, and how to build one successfully with the best practices in this book. Alex Gorelik, CTO and founder of Waterline Data, explains why old systems and processes can no longer support data needs in the enterprise. Then, in a collection of essays about data lake implementation, you'll examine data lake initiatives, analytic projects, experiences, and best practices from data experts working in various industries. Get a succinct introduction to data warehousing, big data, and data science Learn various paths enterprises take to build a data lake Explore how to build a self-service model and best practices for providing analysts access to the data Use different methods for architecting your data lake Discover ways to implement a data lake from experts in different industries

Graph Algorithms Mark Needham 2019-05-16 Discover how graph algorithms can help you leverage the relationships within your data to develop more intelligent solutions and enhance your machine learning models. You'll learn how graph analytics are uniquely suited to unfold complex structures and reveal difficult-to-find patterns lurking in your data. Whether you are trying to build dynamic network models or forecast real-world behavior, this book illustrates how graph algorithms deliver value—from finding vulnerabilities and bottlenecks to detecting communities and improving machine learning

predictions. This practical book walks you through hands-on examples of how to use graph algorithms in Apache Spark and Neo4j—two of the most common choices for graph analytics. Also included: sample code and tips for over 20 practical graph algorithms that cover optimal pathfinding, importance through centrality, and community detection. Learn how graph analytics vary from conventional statistical analysis Understand how classic graph algorithms work, and how they are applied Get guidance on which algorithms to use for different types of questions Explore algorithm examples with working code and sample datasets from Spark and Neo4j See how connected feature extraction can increase machine learning accuracy and precision Walk through creating an ML workflow for link prediction combining Neo4j and Spark

A Guide to SQL/DS C. J. Date 1989 This is the first book available on SQL/DS, the IBM relational database management system for the VM and VSE environments. It is already one of the most successful database products and is gaining increasing importance, given the accelerating acceptance of the VM environment in the marketplace.

Beginning T-SQL Kathi Kellenberger 2020-12-30 Get a performance-oriented introduction to the T-SQL language underlying the Microsoft SQL Server and Azure SQL database engines. This fourth edition is updated to include SQL Notebooks as well as up-to-date syntax and features for T-SQL on-premises and in the Azure cloud. Exercises and examples now include the WideWorldImporters database, the newest sample database from Microsoft for SQL Server. Also new in this edition is coverage of JSON from T-SQL, news about performance enhancements called Intelligent Query Processing, and an appendix on running SQL Server in a container on macOS or Linux. *Beginning T-SQL* starts you on the path to mastering T-SQL with an emphasis on best practices. Using the sound coding techniques taught in this book will lead to excellent performance in the queries that you write in your daily work. Important techniques such as windowing functions are covered to help you write fast-executing queries that solve real business problems. The book begins with an introduction to databases, normalization, and to setting up your learning environment. You will learn about the tools you need to use such as SQL Server Management Studio, Azure Data Studio, and SQL Notebooks. Each subsequent chapter teaches an aspect of T-SQL, building on the skills learned in previous chapters. Exercises in most chapters provide an opportunity for the hands-on practice that leads to true learning and distinguishes the competent professional. A stand-out feature in this book is that most chapters end with a Thinking About Performance section. These sections cover aspects of query performance relative to the content just presented, including the new Intelligent Query Processing features that make queries faster without changing code. They will help you avoid beginner mistakes by knowing about and thinking about performance from day 1. What You Will Learn Install a sandboxed SQL Server instance for learning Understand how relational databases are designed Create objects such as tables and stored procedures Query a SQL Server table Filter and order the results of a query Query and work with specialized data types such as XML and JSON Apply modern features such as window functions Choose correct techniques so that your queries perform well Who This Book Is For Anyone who wants to learn T-SQL from the beginning or improve their T-SQL skills; those who need T-SQL as an additional skill; and those who write queries such as application developers, database administrators, business intelligence developers, and data scientists. The book is also helpful for anyone who must retrieve data from a SQL Server database.

Oracle PL/SQL Best Practices Steven Feuerstein 2001-04-09 In this book, Steven Feuerstein, widely recognized as one of the world's experts on the Oracle PL/SQL language, distills his many years of programming, writing, and teaching about PL/SQL into a set of PL/SQL language "best practices"--rules for writing code that is readable, maintainable, and efficient. Too often, developers focus on simply writing programs that run without errors--and ignore the impact of poorly written code upon both system performance and their ability (and their colleagues' ability) to maintain that code over time. Oracle PL/SQL Best Practices is a concise, easy-to-use reference to Feuerstein's recommendations for excellent PL/SQL coding. It answers the kinds of questions PL/SQL developers most frequently ask about their code: How should I format my code? What naming conventions, if any, should I use? How can I write my packages so they can be more easily maintained? What is the most efficient way to query information from the database? How can I get all the developers on my team to handle errors the same way? The book contains 120 best practices, divided by topic area. It's full of advice on the program development process, coding style, writing SQL in PL/SQL, data structures, control structures, exception handling, program and package construction, and built-in packages. It also contains a handy, pull-out quick reference card. As a helpful supplement to the text, code examples demonstrating each of the best practices are available on the O'Reilly web site. Oracle PL/SQL Best Practices is intended as a companion to O'Reilly's larger Oracle PL/SQL books. It's a compact, readable reference that you'll turn to again and again--a book that no serious developer can afford to be without.

Clean Code Robert C. Martin 2009 Looks at the principles and clean code, includes case studies showcasing the practices of writing clean code, and contains a list of heuristics and "smells" accumulated from the process of writing clean code.

Old New Thing Raymond Chen 2006-12-27 "Raymond Chen is the original raconteur of Windows." --Scott Hanselman, ComputerZen.com "Raymond has been at Microsoft for many years and has seen many nuances of Windows that others could only ever hope to get a glimpse of. With this book, Raymond shares his knowledge, experience, and anecdotal stories, allowing all of us to get a better understanding of the operating system that affects millions of people every day. This book has something for everyone, is a casual read, and I highly recommend it!" --Jeffrey Richter, Author/Consultant, Cofounder of Wintellect "Very interesting read. Raymond tells the inside story of why Windows is the way it is." --Eric Gunnerson, Program Manager, Microsoft Corporation "Absolutely essential reading for understanding the history of Windows, its intricacies and quirks, and why they came about." --Matt Pietrek, MSDN Magazine's Under the Hood Columnist "Raymond Chen has become something of a legend in the software industry, and in this book you'll discover why. From his high-level reminiscences on the design of the Windows Start button to his low-level discussions of GlobalAlloc that only your inner-geek could love, The Old New Thing is a captivating collection of anecdotes that will help you to truly appreciate the difficulty inherent in designing and writing quality software." --Stephen Toub, Technical Editor, MSDN Magazine Why does Windows work the way it does? Why is Shut Down on the Start menu? (And why is there a Start button, anyway?) How can I tap into the dialog loop? Why does the GetWindowText function behave so strangely? Why are registry files called "hives"? Many of Windows' quirks have perfectly logical explanations, rooted in history. Understand them, and you'll be more productive and a lot less frustrated. Raymond Chen--who's spent more than a decade on Microsoft's Windows development

team--reveals the "hidden Windows" you need to know. Chen's engaging style, deep insight, and thoughtful humor have made him one of the world's premier technology bloggers. Here he brings together behind-the-scenes explanations, invaluable technical advice, and illuminating anecdotes that bring Windows to life--and help you make the most of it. A few of the things you'll find inside: What vending machines can teach you about effective user interfaces A deeper understanding of window and dialog management Why performance optimization can be so counterintuitive A peek at the underbelly of COM objects and the Visual C++ compiler Key details about backwards compatibility--what Windows does and why Windows program security holes most developers don't know about How to make your program a better Windows citizen

The Definitive Guide to DAX Alberto Ferrari 2015-10-14 This comprehensive and authoritative guide will teach you the DAX language for business intelligence, data modeling, and analytics. Leading Microsoft BI consultants Marco Russo and Alberto Ferrari help you master everything from table functions through advanced code and model optimization. You'll learn exactly what happens under the hood when you run a DAX expression, how DAX behaves differently from other languages, and how to use this knowledge to write fast, robust code. If you want to leverage all of DAX's remarkable power and flexibility, this no-compromise "deep dive" is exactly what you need. Perform powerful data analysis with DAX for Microsoft SQL Server Analysis Services, Excel, and Power BI Master core DAX concepts, including calculated columns, measures, and error handling Understand evaluation contexts and the CALCULATE and CALCULATETABLE functions Perform time-based calculations: YTD, MTD, previous year, working days, and more Work with expanded tables, complex functions, and elaborate DAX expressions Perform calculations over hierarchies, including parent/child hierarchies Use DAX to express diverse and unusual relationships Measure DAX query performance with SQL Server Profiler and DAX Studio

The Definitive Guide to SQLite Mike Owens 2006-12-06 This is the first book to devote complete coverage to the most recent release of the popular embedded open source database SQLite. The book acts as both an ideal tutorial and reference guide. It offers experienced database developers a thorough overview of its capabilities and APIs, yet is mindful of newcomers who may be making their first foray into the database environment with SQLite. Readers are presented with introductions to the SQLite extensions available for C, Java, Perl, PHP, Python, Ruby, and Tcl.

Learn SQL Database Programming Josephine Bush 2020-05-29 Learn everything you need to know to build efficient SQL queries using this easy-to-follow beginner's guide Key Features Explore all SQL statements in depth using a variety of examples Get to grips with database querying, data aggregate, manipulation, and much more Understand how to explore and process data of varying complexity to tell a story Book Description SQL is a powerful querying language that's used to store, manipulate, and retrieve data, and it is one of the most popular languages used by developers to query and analyze data efficiently. If you're looking for a comprehensive introduction to SQL, *Learn SQL Database Programming* will help you to get up to speed with using SQL to streamline your work in no time. Starting with an overview of relational database management systems, this book will show you how to set up and use MySQL Workbench and design a database using practical examples. You'll also discover how to query and manipulate data with SQL programming using MySQL Workbench. As you advance, you'll create a database, query single and multiple tables, and modify data using SQL querying. This SQL book covers advanced SQL

techniques, including aggregate functions, flow control statements, error handling, and subqueries, and helps you process your data to present your findings. Finally, you'll implement best practices for writing SQL and designing indexes and tables. By the end of this SQL programming book, you'll have gained the confidence to use SQL queries to retrieve and manipulate data. What you will learn

Install, configure, and use MySQL Workbench to restore a database

Explore different data types such as string, numeric, and date and time

Query a single table using the basic SQL SELECT statement and the FROM, WHERE, and ORDER BY clauses

Query multiple tables by understanding various types of table relationships

Modify data in tables using the INSERT, UPDATE, and DELETE statements

Use aggregate functions to group and summarize data

Detect bad data, duplicates, and irrelevant values while processing data

Who this book is for

This book is for business analysts, SQL developers, database administrators, and students learning SQL. If you want to learn how to query and manipulate SQL data for database administration tasks or simply extract and organize relevant data for analysis, you'll find this book useful. No prior SQL experience is required.

Practical PostgreSQL Joshua D. Drake 2002-01-07 Arguably the most capable of all the open source databases, PostgreSQL is an object-relational database management system first developed in 1977 by the University of California at Berkeley. In spite of its long history, this robust database suffers from a lack of easy-to-use documentation. Practical PostgreSQL fills that void with a fast-paced guide to installation, configuration, and usage. This comprehensive new volume shows you how to compile PostgreSQL from source, create a database, and configure PostgreSQL to accept client-server connections. It also covers the many advanced features, such as transactions, versioning, replication, and referential integrity that enable developers and DBAs to use PostgreSQL for serious business applications. The thorough introduction to PostgreSQL's PL/pgSQL programming language explains how you can use this very useful but under-documented feature to develop stored procedures and triggers. The book includes a complete command reference, and database administrators will appreciate the chapters on user management, database maintenance, and backup & recovery. With Practical PostgreSQL, you will discover quickly why this open source database is such a great open source alternative to proprietary products from Oracle, IBM, and Microsoft.

Pro SQL Server Internals Dmitri Korotkevitch 2016-11-29 Improve your ability to develop, manage, and troubleshoot SQL Server solutions by learning how different components work "under the hood," and how they communicate with each other. The detailed knowledge helps in implementing and maintaining high-throughput databases critical to your business and its customers. You'll learn how to identify the root cause of each problem and understand how different design and implementation decisions affect performance of your systems. New in this second edition is coverage of SQL Server 2016 Internals, including In-Memory OLTP, columnstore enhancements, Operational Analytics support, Query Store, JSON, temporal tables, stretch databases, security features, and other improvements in the new SQL Server version. The knowledge also can be applied to Microsoft Azure SQL Databases that share the same code with SQL Server 2016. Pro SQL Server Internals is a book for developers and database administrators, and it covers multiple SQL Server versions starting with SQL Server 2005 and going all the way up to the recently released SQL Server 2016. The book provides a solid road map for understanding the depth and power of the SQL Server database server and teaches how to get the most from the platform and keep your databases running at the level needed to support your business. The

book: • Provides detailed knowledge of new SQL Server 2016 features and enhancements • Includes revamped coverage of columnstore indexes and In-Memory OLTP • Covers indexing and transaction strategies • Shows how various database objects and technologies are implemented internally, and when they should or should not be used • Demonstrates how SQL Server executes queries and works with data and transaction log

What You Will Learn Design and develop database solutions with SQL Server. Troubleshoot design, concurrency, and performance issues. Choose the right database objects and technologies for the job. Reduce costs and improve availability and manageability. Design disaster recovery and high-availability strategies. Improve performance of OLTP and data warehouse systems through in-memory OLTP and Columnstore indexes. Who This Book Is For Developers and database administrators who want to design, develop, and maintain systems in a way that gets the most from SQL Server. This book is an excellent choice for people who prefer to understand and fix the root cause of a problem rather than applying a 'band aid' to it.

A Guide to the SQL Standard C. J. Date 1997 The previous edition of this book established itself as the most complete and understandable treatment of the SQL standard generally available. Many changes have occurred in the SQL standard world since that edition was published. The original 1992 standard itself has been significantly changed and corrected through the publication of two extensive Technical Corrigenda, one in 1994 and one in 1996. Included in the fourth edition of this important book is information on a major new component, the Call-Level Interface (SQL/CLI), and the Persistent Stored Modules feature (SQL/PSM).

Hibernate Tips Thorben Janssen 2018-01-09 When you use Hibernate in your projects, you quickly recognize that you need to do more than just add @Entity annotations to your domain model classes. Real-world applications often require advanced mappings, complex queries, custom data types and caching. Hibernate can do all of that. You just have to know which annotations and APIs you need to use. *Hibernate Tips - More than 70 solutions to common Hibernate problems* shows you how to efficiently implement your persistence layer with Hibernate's basic and advanced features. Each Hibernate Tip consists of one or more code samples and an easy to follow step-by-step explanation. You can also download an example project with executable test cases for each Hibernate Tip. Throughout this book, you will get more than 70 ready-to-use solutions that show you how to: - Define standard mappings for basic attributes and entity associations. - Implement your own attribute mappings and support custom data types. - Use Hibernate's Java 8 support and other proprietary features. - Read data from the database with JPQL, Criteria API, and native SQL queries. - Call stored procedures and database functions. This book is for developers who are already working with Hibernate and who are looking for solutions for their current development tasks. It's not a book for beginners who are looking for extensive descriptions of Hibernate's general concepts. The tips are designed as self-contained recipes which provide a specific solution and can be accessed when needed. Most of them contain links to related tips which you can follow if you want to dive deeper into a topic or need a slightly different solution. There is no need to read the tips in a specific order. Feel free to read the book from cover to cover or to just pick the tips that help you in your current project.

Microsoft SQL Server 2012 Bible Adam Jorgensen 2012-08-06 Harness the powerful new SQL Server 2012 Microsoft SQL Server 2012 is the most significant update to this product since 2005, and it may change how database administrators and

developers perform many aspects of their jobs. If you're a database administrator or developer, Microsoft SQL Server 2012 Bible teaches you everything you need to take full advantage of this major release. This detailed guide not only covers all the new features of SQL Server 2012, it also shows you step by step how to develop top-notch SQL Server databases and new data connections and keep your databases performing at peak. The book is crammed with specific examples, sample code, and a host of tips, workarounds, and best practices. In addition, downloadable code is available from the book's companion web site, which you can use to jumpstart your own projects. Serves as an authoritative guide to Microsoft's SQL Server 2012 for database administrators and developers Covers all the software's new features and capabilities, including SQL Azure for cloud computing, enhancements to client connectivity, and new functionality that ensures high-availability of mission-critical applications Explains major new changes to the SQL Server Business Intelligence tools, such as Integration, Reporting, and Analysis Services Demonstrates tasks both graphically and in SQL code to enhance your learning Provides source code from the companion web site, which you can use as a basis for your own projects Explores tips, smart workarounds, and best practices to help you on the job Get thoroughly up to speed on SQL Server 2012 with Microsoft SQL Server 2012 Bible.

LINQ in Action Steve Eichert 2008-01-31 LLINQ, Language INtegrated Query, is a new extension to the Visual Basic and C# programming languages designed to simplify data queries and database interaction. It addresses O/R mapping issues by making query operations like SQL statements part of the programming language. It also offers built-in support for querying in-memory collections like arrays or lists, XML, DataSets, and relational databases. LINQ in Action is a fast-paced, comprehensive tutorial for professional developers. This book explores what can be done with LINQ, shows how it works in an application, and addresses the emerging best practices. It presents the general purpose query facilities offered by LINQ in the upcoming C# 3.0 and VB.NET 9.0 languages. A running example introduces basic LINQ concepts. You'll then learn to query unstructured data using LINQ to XML and relational data with LINQ to SQL. Finally, you'll see how to extend LINQ for custom applications. LINQ in Action will guide you along as you explore this new world of lambda expressions, query operators, and expression trees. As well, you'll explore the new features of C# 3.0, VB.NET 9.0. The book is very practical, anchoring each new idea with running code. Whether you want to use LINQ to query objects, XML documents, or relational databases, you will find all the information you need to get started But LINQ in Action does not stop at the basic code. This book also shows you how LINQ can be used for advanced processing of data, including coverage of LINQ's extensibility, which allows querying more data sources than those supported by default. All code samples are built on a concrete business case. The running example, LinqBooks, is a personal book cataloging system that shows you how to create LINQ applications with Visual Studio 2008. 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.

Datenbanken Frank Geisler 2014-06-18 Grundlagen und Design 5. Auflage Konzepte, Entwurf, Design, Implementierung Konkrete Erläuterungen am Praxisbeispiel Zahlreiche Aufgaben mit Musterlösungen sowie Anregungen für eigene Projekte Aus dem Inhalt: Datenbanksysteme, Datenbankanwendungen und Middleware Das relationale Datenbankmodell ER-Datenbankmodellierung und Normalisierung SQL-Grundlagen Projektablauf bei der Erstellung einer Datenbank Transaktionen und konkurrierende Zugriffe Fat- und Thin-Clientmodelle Client-Server-Architektur

Verteilte Datenbanksysteme Data Warehouses Data Mining LINQ Einführung in Big Data Dieses Buch richtet sich an alle, die sich grundlegend und fundiert in das Thema Datenbanken einarbeiten wollen. Der Fokus liegt dabei auf einer strukturierten, leicht nachvollziehbaren und praxisrelevanten Darstellung des Stoffes, der anhand eines durchgängigen Beispiels präsentiert wird. Der Autor stellt die Inhalte soweit möglich herstellerneutral dar, so dass die verwendeten Techniken auf jedem relationalen Datenbanksystem umgesetzt werden können. Zunächst wird der Leser in die unterschiedlichen Datenbankmodelle eingeführt und lernt als grundlegendes Handwerkszeug das relationale Datenbankmodell, die ER-Datenbankmodellierung und die Normalisierung kennen. Nach der Darstellung der Datenbankentwicklung auf konzeptioneller Ebene werden die Umsetzung des Datenbankmodells und die Abfrage von Daten mithilfe von SQL beschrieben. Auch konzeptionelle Themen wie der Projektablauf bei der Erstellung eines Datenbanksystems, Transaktionen, Fat- und Thin-Clientmodelle, Client-Server-Architekturen, verteilte Datenbanksysteme, Data Warehouses, Data Mining, LINQ als mögliche Lösung des Impedance Mismatches und eine Einführung in Big Data finden in den entsprechenden Kapiteln ihren Platz. Der Leser wird umfassend in das Thema Datenbanken eingeführt und erhält zugleich eine praxisnahe Sichtweise auf die professionelle Realisierung von Datenbanksystemen von einem seit Langem in der Praxis arbeitenden Datenbankentwickler. Über den Autor: Frank Geisler ist Geschäftsführer der Geisler Datensysteme GmbH & Co. KG und beschäftigt sich schon seit vielen Jahren intensiv mit dem Microsoft BI Stack, insbesondere mit dem SQL Server und SharePoint. Seine Fachkenntnisse gibt er als Autor und regelmäßiger Sprecher auf Konferenzen und PASS-Gruppentreffen weiter. Er ist MCT, MCTS und MCITP und auch als Microsoft P-TSP unterwegs. Sie erreichen ihn auf Twitter unter @FrankGeisler. Amazon-Leserstimmen: Tolles Buch - Einfache Erklärungen, aber trotzdem mit Tiefgang. Dieses Buch ist einmalig, didaktisch hervorragend aufgebaut ohne mathematische Schnörkel.

Beginning Oracle SQL for Oracle Database 18c Ben Brumm 2019-08-05 Start developing with Oracle SQL. This book is a one-stop introduction to everything you need to know about getting started developing an Oracle Database. You'll learn about foundational concepts, setting up a simple schema, adding data, reading data from the database, and making changes. No experience with databases is required to get started. Examples in the book are built around Oracle Live SQL, a freely available, online sandbox for practicing and experimenting with SQL statements, and Oracle Express Edition, a free version of Oracle Database that is available for download. A marquee feature of Beginning Oracle SQL for Oracle Database 18c is the small chapter size. Content is divided into easily digestible chunks that can be read and practiced in very short intervals of time, making this the ideal book for a busy professional to learn from. Even just a 15-20 minute block of free time can be put to good use. Author Ben Brumm begins by helping you understand what a database is, and getting you set up with a sandbox in which to practice the SQL that you are learning. From there, easily digestible chapters cover, point-by-point, the different aspects of writing queries to get data out of a database. You'll also learn about creating tables and getting data into the database. Crucial topics such as working with nulls and writing analytic queries are given the attention they deserve, helping you to avoid pitfalls when writing queries for production use. What You'll Learn Create, update, and delete tables in an Oracle database Add, update, delete data from those database tables Query and view data stored in your database Manipulate and transform data using in-built database functions and features Correctly choose when to use Oracle-specific syntax and features Who This Book Is For Those new to Oracle who are planning to develop

software using Oracle as the back-end data store. The book is also for those who are getting started in software development and realize they need to learn some kind of database language. Those who are learning software development on the side of their normal job, or learning it as a college student, who are ready to learn what a database is and how to use it also will find this book useful.

Troubleshooting Oracle Performance Christian Antognini 2008-08-20 When your database application isn't running fast enough, troubleshooting is usually your first move. Finding the slow part of an application is often easy, but discovering a solution can prove much more difficult. Troubleshooting Oracle Performance helps by providing a systematic approach to addressing the underlying causes of poor database application performance. Written for developers by an application developer who has learned by doing, this book shows you how to plan for performance as you would for any other application requirement.

Mastering System Center Configuration Manager Santos Martinez 2016-12-29 Get up to date quickly with clear, expert coverage of SCCM 2016 Mastering System Center Configuration Manager provides comprehensive coverage of Microsoft's powerful network software deployment tool, with a practical hands-on approach. Written by Santos Martinez, Peter Daalmans, and Brett Bennett, this guide walks you through SCCM 2016 with in-depth explanations anchored in real-world applications to get you up to speed quickly. Whether you're planning a new installation or migrating from a previous version of Configuration Manager, this book provides clear instruction and expert insight to get the job done right. Fully aligned with the latest release, the discussion covers the newest tools and features with examples that illustrate utility in a variety of contexts. System Center Configuration Manager (formerly SMS) is one of Microsoft's flagship products; the 2016 release has been updated with better Windows 10 and Windows Server 2016 compatibility, improved tools for managing non-Microsoft mobile devices in the cloud, and more. This book provides start-to-finish coverage and expert guidance on everything you need to get your system up to date. Deploy software and operating systems Automate processes and customize configurations Monitor performance and troubleshoot issues Manage security in the cloud and on Virtual Machines SCCM 2016 improves your ability to handle the bring-your-own-device influx in managing mobile, streamlining the latest hiccup right into the everyday workflow. Mastering System Center Configuration Manager provides the practical coverage you need to get up and running seamlessly.

SQL Tuning Dan Tow 2003-11-19 A poorly performing database application not only costs users time, but also has an impact on other applications running on the same computer or the same network. SQL Tuning provides an essential next step for SQL developers and database administrators who want to extend their SQL tuning expertise and get the most from their database applications. There are two basic issues to focus on when tuning SQL: how to find and interpret the execution plan of an SQL statement and how to change SQL to get a specific alternate execution plan. SQL Tuning provides answers to these questions and addresses a third issue that's even more important: how to find the optimal execution plan for the query to use. Author Dan Tow outlines a timesaving method he's developed for finding the optimum execution plan--rapidly and systematically--regardless of the complexity of the SQL or the database platform being used. You'll learn how to understand and control SQL execution plans and how to diagram SQL queries to deduce the best execution plan for a

query. Key chapters in the book include exercises to reinforce the concepts you've learned. SQL Tuning concludes by addressing special concerns and unique solutions to "unsolvable problems." Whether you are a programmer who develops SQL-based applications or a database administrator or other who troubleshoots poorly tuned applications, SQL Tuning will arm you with a reliable and deterministic method for tuning your SQL queries to gain optimal performance.

LINQ Unleashed Paul Kimmel 2008-08-19 Foreword by Darryl Hogan, Architect Evangelist, Microsoft Corporation Microsoft's highly anticipated LINQ query technology makes it easy to retrieve any information programmatically from any data source, no matter where it comes from or how it's stored. Using LINQ, developers can query objects, relational databases, XML documents, and ADO.NET datasets--and do it all directly from C# 3.0, leveraging the powerful capabilities of LINQ. This is a definitive guide to getting real-world results with LINQ, using C# 3.0 and Visual Studio 2008. In LINQ Unleashed, Microsoft MVP Paul Kimmel covers every facet of LINQ programming, showing how LINQ can help you dramatically improve your productivity and build more reliable, maintainable applications. Kimmel begins by reviewing the state-of-the-art C# programming techniques LINQ uses, including anonymous types, partial methods, and Lambda expressions. Next, using realistic examples and easy-to-adapt sample code, he details the most powerful new LINQ techniques for accessing objects, databases, and XML. You'll gain a deep and practical understanding of how LINQ works "under the hood"--and learn how to do everything from selecting data through integrating XML with other data models. Build efficient LINQ queries to .NET objects, SQL databases, and XML content Utilize anonymous types to reduce design time, coding effort, and debugging time Automatically generate .NET state machines with the new yield return construct Master LINQ query syntax, operators, extension methods, sorting, grouping, aggregate and set operations, and more Make the most of select--and use it in the business layer of your n-tier applications Query relational data stored in Microsoft SQL Server Use nullable types to eliminate unnecessary database access plumbing code Use LINQ with ADO.NET 3.0 and Microsoft's powerful new Entity Framework Extract XML data without the hassles or complexity of XPath Automatically construct XML from CSV files and other non-XML data Query Active Directory by extending LINQ

Microsoft SQL Thinking Cornel Brücher 2012-12-17 Vom Problem zum SQL-Statement Vermittlung der für SQL erforderlichen Denkweise Auch für Nichtprogrammierer Für SQL Server 2012 Aus dem Inhalt: Das Problem mit dem Problem Die ersten Fragen Navigation im Datenmodell Ergebnisfilterung Wieviel X pro Y? Geschachtelte Selects Mengenlehre Wieviel Y pro X und Z(eitspanne) Sternzeit Wer kennt wen? Daten verändern, Daten löschen Leistungskontrolle Daten zusammenführen Abläufe programmieren mit SQL Tabellendesign Zwischenergebnisse temporär speichern Programmobjekte In diesem Buch lernen Sie nicht, wie man programmiert. Ein Programm beschreibt, was ein Rechner tun soll und wie er es tun soll. Programmierer denken in Schrittfolgen, Verzweigungen und Schleifen. Man stellt eine Abfrage, verarbeitet das Ergebnis und holt sich dann wiederholt weitere Details aus der Datenbank. Das ist keine Datenbank-Abfrage, das ist ein Datenbank-Interview. Im ersten Teil des Buches lernen Sie, aus der verbalen Beschreibung der gewünschten Daten eine einzige Datenbankabfrage zu formulieren. Eine Frage, eine Antwort: Das ist SQL! Fragen an den SQL Server kann man aber nur stellen, wenn man ihm das Material für die Antworten gegeben hat. Also erfahren Sie im zweiten Teil, warum und wie man was wo in der Datenbank speichert, Regeln definiert, Batchabläufe programmiert, Daten manipuliert und eliminiert. Das Konzept, das sich in Cornel Brüchers Oracle-basiertem Buch SQL Thinking bewährt hat, nämlich fundiertes SQL-Wissen witzig

und unterhaltsam zu präsentieren, wird in diesem Buch übertragen auf die Profi-Datenbank von Microsoft. Mit Thomas Glörfeld wurde dafür ein Autor gefunden, der sich beim SQL Server exzellent auskennt und absolutes Expertenwissen beisteuern kann. Dass sich die Ausführungen der Autoren auf das jüngste Release SQL Server 2012 beziehen, versteht sich von selbst.

Oracle SQL Gavin Powell 2005 Developers and DBAs use Oracle SQL coding on a daily basis, whether for application development, finding problems, fine-tuning solutions to those problems, or other critical DBA tasks. *Oracle SQL: Jumpstart with Examples* is the fastest way to get started and to quickly locate answers to common (and uncommon) questions. It includes all the basic queries: filtering, sorting, operators, conditionals, pseudocolumns, single row functions, joins, grouping and summarizing, grouping functions, subqueries, composite queries, hierarchies, flashback queries, parallel queries, expressions and regular expressions, DML, datatypes (including collections), XML in Oracle, DDL for basic database objects such as tables, views and indexes, Oracle Partitioning, security, and finally PL/SQL. * Each of the hundreds of SQL code examples was tested on a working Oracle 10g database * Invaluable everyday tool that provides an absolute plethora of properly tested examples of Oracle SQL code * Authors have four decades of commercial experience between them as developers and database administrators

Database Processing David M. Kroenke 2002 for SATB, handbells, chimes, two trumpets, two trombones, and organ This sacred piece is suitable for holiday concerts or easter services. It begins with a brass fanfare with handbells and chimes and is answered by a choir of alleluias.

The Guru's Guide to Transact-SQL Ken Henderson 2000 Demonstrates important concepts and offers working Transact-SQL code, covering data filtering, DDL, DML, statistical functions, runs and sequences, transactions, stored procedures and triggers, and performance tuning.

R Markdown Yihui Xie 2018-07-27 *R Markdown: The Definitive Guide* is the first official book authored by the core R Markdown developers that provides a comprehensive and accurate reference to the R Markdown ecosystem. With R Markdown, you can easily create reproducible data analysis reports, presentations, dashboards, interactive applications, books, dissertations, websites, and journal articles, while enjoying the simplicity of Markdown and the great power of R and other languages. In this book, you will learn Basics: Syntax of Markdown and R code chunks, how to generate figures and tables, and how to use other computing languages Built-in output formats of R Markdown: PDF/HTML/Word/RTF/Markdown documents and ioslides/Slidy/Beamer/PowerPoint presentations Extensions and applications: Dashboards, Tufte handouts, xaringan/reveal.js presentations, websites, books, journal articles, and interactive tutorials Advanced topics: Parameterized reports, HTML widgets, document templates, custom output formats, and Shiny documents. Yihui Xie is a software engineer at RStudio. He has authored and co-authored several R packages, including knitr, rmarkdown, bookdown, blogdown, shiny, xaringan, and animation. He has published three other books, *Dynamic Documents with R and knitr*, *bookdown: Authoring Books and Technical Documents with R Markdown*, and *blogdown: Creating Websites with R Markdown*. J.J. Allaire is the founder of RStudio and the creator of the RStudio IDE. He is an author of several packages in the R Markdown ecosystem including rmarkdown, flexdashboard, learnr, and radix. Garrett Golemund is the co-author of *R for Data Science* and author of *Hands-On Programming with R*. He wrote the lubridate R package and works for

RStudio as an advocate who trains engineers to do data science with R and the Tidyverse.

Pro LINQ in VB8 Joseph Rattz 2010-01-01 LINQ is the project name for a set of extensions to the .NET Framework that provide a generic approach to querying data from different data sources. LINQ made its debut in Visual Studio 2008, and became a must-have skill for .NET developers. For more information about LINQ, you can check out www.linqdev.com. Starting with code and ending with code and tailored for the VB language, Pro LINQ: Language Integrated Query in VB 2008 is a veritable treasury of LINQ examples that will save you hours, even days, of research time. Keeping you focused on the relevant LINQ principles, expert author Joseph Rattz, Jr., and VB specialist Dennis Hayes provide examples for complex models that you won't find anywhere else. In most books, you'll find plenty of simple examples to demonstrate how to use a method, but authors rarely show how to use the more complex prototypes. Pro LINQ: Language Integrated Query in VB 2008 is different. Demonstrating the overwhelming majority of LINQ operators and prototypes, Joseph Rattz, Jr., and Dennis Hayes condense their extensive experience and expertise into a desk companion that is essential for any serious .NET professional. Rather than obscure the relevant LINQ principles in code examples by focusing on a demonstration application you have no interest in writing, this book cuts right to the chase of each LINQ operator, method, or class. However, where complexity is necessary to truly demonstrate an issue, the examples are right there in the thick of it. For example, code samples demonstrating how to handle concurrency conflicts actually create concurrency conflicts so you can step through the code and see them unfold. Most books tell you about the simple stuff, while few books warn you of the pitfalls. Where Pro LINQ: Language Integrated Query in VB 2008 returns your investment is in the hours, and sometimes days, spent by the authors determining why something may not work as expected. Sometimes this results in an innocent-looking paragraph that may take you a minute to read and understand, but took days to research and explain. Face it, most technical books while informative, are dull. LINQ need not be dull. Written with a sense of humor, this book will attempt to entertain you on your journey through the wonderland of LINQ and VB 2008.

SQL Server Security Thomas Glörfeld 2013-08-08 Alles Wissenswerte rund um Security mit SQL-Datenbanken Für Datenbankentwickler, Betriebswirte und Projektleiter Stand SQL Server 2012 Aus dem Inhalt: Aufwand vs. Sicherheit - Was ist angemessen? Sprich »Freund« und tritt ein - Authentifizierung Benutzer und Rollen Rechte - Der Unterschied zwischen Wollen und Dürfen Softwarearchitektur und Datenbank-Sicherheit Rechteprüfung in der Anwendung SQL-Injection Verschlüsselung mit Zertifikaten und asymmetrischen Schlüsseln Symmetrische Verschlüsselung Daten hashen und signieren Security-Features rund um gespeicherte Prozeduren Auditing Andere bewährte Vorgehensweisen Umgang mit Meldungen über Sicherheitslücken In diesem Buch geht es um typische Angriffe, zu denen Schwächen und Sicherheitslücken in Datenbank-Anwendungen möglicherweise geradezu einladen. Das Themenspektrum, das in diesem Buch abgehandelt wird, reicht von Einsteigerthemen wie die effektive Nutzung von Rechten, Logins, User und Gruppen über die verschiedenen Verschlüsselungsmöglichkeiten der Daten bis hin zu Expertenthemen wie die Signierung von SQL-Code. Die bekannt gewordenen Angriffe der letzten Jahre zeigten zwar, dass auch bei der Administration von IT-Systemen eklatante Mängel vorkamen, dass die wirklich gravierenden und entscheidenden Sicherheitsprobleme aber durch die Anwendungen selbst verursacht wurden. Es geht also vorrangig darum, die Möglichkeiten und Grenzen bei der Entwicklung von Datenbank-

Anwendungen aufzuzeigen, zumal mit den Mitteln, die SQL bereit stellt, bereits viele Schwierigkeiten umschifft werden können. Das Buch richtet sich vornehmlich an Software-Entwickler, darüber hinaus aber auch an Betriebswirte, die verstehen wollen, warum manche »einfache« Vorgaben einen immensen Aufwand verursachen, sowie an Projektleiter, die schon bei der grundlegenden Architektur der Anwendung Sicherheitsaspekte berücksichtigen wollen. Sowohl Einsteiger, die sich mit den Grundlagen der SQL-Security vertraut machen wollen, als auch Fortgeschrittene, die tiefer in die Materie eintauchen möchten, werden von diesem Buch profitieren. Thomas Glörfeld studierte Informatik mit Schwerpunkt Datenbanksysteme. Seit 1995 beschäftigt er sich als Berater mit der Sicherheit rund um SQL-Datenbank-Anwendungen, seit der Version 4.21 für den Microsoft SQL Server, inkl. Abstecher zum Sybase SQL Anywhere.

SQL Hacks Andrew Cumming 2007 A guide to getting the most out of the SQL language covers such topics as sending SQL commands to a database, using advanced techniques, solving puzzles, performing searches, and managing users.

SQL thinking Cornel Brücher 2011

Python for Data Analysis Wes McKinney 2017-09-25 Get complete instructions for manipulating, processing, cleaning, and crunching datasets in Python. Updated for Python 3.6, the second edition of this hands-on guide is packed with practical case studies that show you how to solve a broad set of data analysis problems effectively. You'll learn the latest versions of pandas, NumPy, IPython, and Jupyter in the process. Written by Wes McKinney, the creator of the Python pandas project, this book is a practical, modern introduction to data science tools in Python. It's ideal for analysts new to Python and for Python programmers new to data science and scientific computing. Data files and related material are available on GitHub. Use the IPython shell and Jupyter notebook for exploratory computing Learn basic and advanced features in NumPy (Numerical Python) Get started with data analysis tools in the pandas library Use flexible tools to load, clean, transform, merge, and reshape data Create informative visualizations with matplotlib Apply the pandas groupby facility to slice, dice, and summarize datasets Analyze and manipulate regular and irregular time series data Learn how to solve real-world data analysis problems with thorough, detailed examples

Linux Journal 2002

High-Performance Java Persistence Vlad Mihalcea 2016-10-12 A high-performance data access layer must resonate with the underlying database system. Knowing the inner workings of a relational database and the data access frameworks in use can make the difference between a high-performance enterprise application and one that barely crawls. This book is a journey into Java data access performance tuning. From connection management, to batch updates, fetch sizes and concurrency control mechanisms, it unravels the inner workings of the most common Java data access frameworks. The first part aims to reduce the gap between application developers and database administrators. For this reason, it covers both JDBC and the database fundamentals that are of paramount importance when reducing transaction response times. In this first part, you'll learn about connection management, batch updates, statement caching, result set fetching and database transactions. The second part demonstrates how you can take advantage of JPA and Hibernate without compromising application performance. In this second part, you'll learn about the most efficient Hibernate mappings (basic types, associations, inheritance), fetching best

practices, caching and concurrency control mechanisms. The third part is dedicated to jOOQ and its powerful type-safe querying capabilities, like window functions, common table expressions, upsert, stored procedures and database functions.

Introducing Microsoft SQL Server 2012 Ross Mistry 2014-09-10 Introducing Microsoft(r) SQL Server(r) 2012 explores the exciting enhancements and new capabilities engineered into SQL Server, ranging from improvements in operation to those in reporting and management. This book is for anyone who has an interest in SQL Server 2012 and wants to understand its capabilities, including database administrators, application developers, and technical decision makers.

SQL Injection Attacks and Defense Justin Clarke 2012-06-18 What is SQL injection? -- Testing for SQL injection -- Reviewing code for SQL injection -- Exploiting SQL injection -- Blind SQL injection exploitation -- Exploiting the operating system -- Advanced topics -- Code-level defenses -- Platform level defenses -- Confirming and recovering from SQL injection attacks -- References.

Learning SQL Alan Beaulieu 2005-08-22 A guide to SQL covers such topics as creating a database, filtering, querying, sets, data generation, grouping, and conditional logic.

The Programmer's Guide to SQL Cristian Darie 2003-10-07 This guide combines the proven tutorial approach to teaching SQL with a collection of major SQL statements with example code for five major database systems: SQL Server, Oracle, DB2, MySQL and Access.

Joe Celko's SQL for Smarties Joe Celko 2005 SQL for Smarties was hailed as the first book devoted explicitly to the advanced techniques needed to transform an experienced SQL programmer into an expert. Now, 10 years later and in the third edition, this classic still reigns supreme as the book written by an SQL master that teaches future SQL masters. These are not just tips and techniques; Joe also offers the best solutions to old and new challenges and conveys the way you need to think in order to get the most out of SQL programming efforts for both correctness and performance. In the third edition, Joe features new examples and updates to SQL-99, expanded sections of Query techniques, and a new section on schema design, with the same war-story teaching style that made the first and second editions of this book classics. * Expert advice from a noted SQL authority and award-winning columnist, who has given ten years of service to the ANSI SQL standards committee and many more years of dependable help to readers of online forums. * Teaches scores of advanced techniques that can be used with any product, in any SQL environment, whether it is an SQL-92 or SQL-99 environment. * Offers tips for working around system deficiencies. * Continues to use war stories--updated!--that give insights into real-world SQL programming challenges.